

Rapidly Creating a Database-Centric Web Application using Oracle HTML DB

Purpose

This lesson shows you how to build a query and update application on a database table using HTML DB.

Topics

This lesson will discuss the following topics:

- [Overview](#)
- [Prerequisites](#)
- [Creating a Table from a Spreadsheet](#)
- [Adding a Lookup Table](#)
- [Creating an Application](#)
- [Adding a Report](#)

- [Adding a Form](#)
- [Creating and Applying a New Page Template](#)
- [Editing Application Objects](#)
- [Linking your Report to your Form](#)
- [Creating Users](#)
- [Authorizing Users](#)

 **Place the cursor on this icon to display all screenshots. You can also place the cursor on each icon to see only the screenshot associated with it.**

HTML DB Overview

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What is HTML DB?

HTML DB provides a declarative development framework for creating database-centric web applications. Development is done using an online service. Deployment is done by downloading a runtime module and your application and running it within your enterprise.

What components make up HTML DB?

HTML DB contains three main components. You will use all three components throughout this lesson.

Application Builder	The Application Builder allows you to build database-centric interactive web applications.
SQL Workshop	The SQL Workshop allows you to run SQL statements and SQL scripts.
Data Workshop	The Data Workshop helps you load data into and extract data from the database.

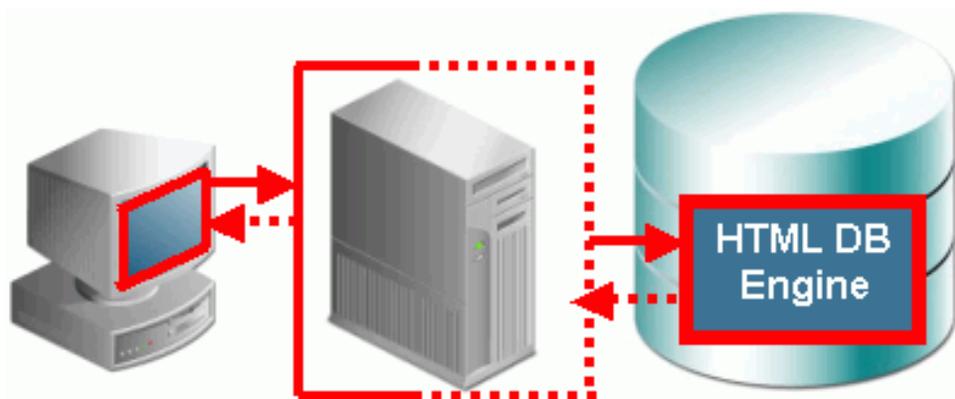
Terminology

The following concepts are important to know when working with HTML DB:

Application	An Application is a collection of pages with branches that connect them. Its attributes include the authentication method, default UI templates, and authorization rules.
Page	A page is defined by how it is rendered or displayed and by how it is processed. Processing refers to the events and logic that occur when the page is submitted. Each page is rendered dynamically at runtime from meta data defined by the Application developer. How a page looks is controlled by page templates.
Region	Content is displayed in regions, which are logical subsections of a page. Each page can have any number of regions of several different types. These types include: HTML text, SQL Queries, PL/SQL generated HTML and charts. Each region is rendered using a region template. Regions are positioned on the page using display points defined in the page template.
Item	Application items are used to generate HTML form elements. The Applications engine manages the generation of the HTML, you as the developer simply choose the item type. Applications supports over 50 such types including date pickers, popup lists of values, text areas with spell checking, etc. The value of an item is automatically stored into session state which can be referenced at any point within the user's session.

Architecture

All applications are rendered in real time from data stored in database tables. When you create or extend your application, no code is generated; metadata is created or modified and stored in database tables. The applications rendering engine reads the metadata and displays the page accordingly.



All session state is also stored in the database. Each page view results in a new database session, so when the applications engine is not processing a page, no database resources are consumed (except for storage space used by table rows). The unique session identifier used to manage your application's session state as the user runs the application from start to finish is unrelated to the many individual database sessions created and run by the runtime engine for each page view.

Applications that execute SQL or PL/SQL are parsed as the "owner" of the application. When your workspace is provisioned you are given the right to parse as a specific schema. Thus all of your Oracle database rights and privileges are that of the schema you choose to parse as.

Prerequisites

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Before starting this module, you should have:

1. Completed the [Configuring Linux for the Installation of Oracle Database 10g](#) lesson
2. Completed the [Installing the Oracle Database 10g on Linux](#) lesson
3. Completed the [Installing Oracle HTTP Server on Linux](#) lesson.
4. Download the [hardware.xls](#) into your working directory. (i.e. /home/oracle/wkdir)

Creating a Table from a Spreadsheet

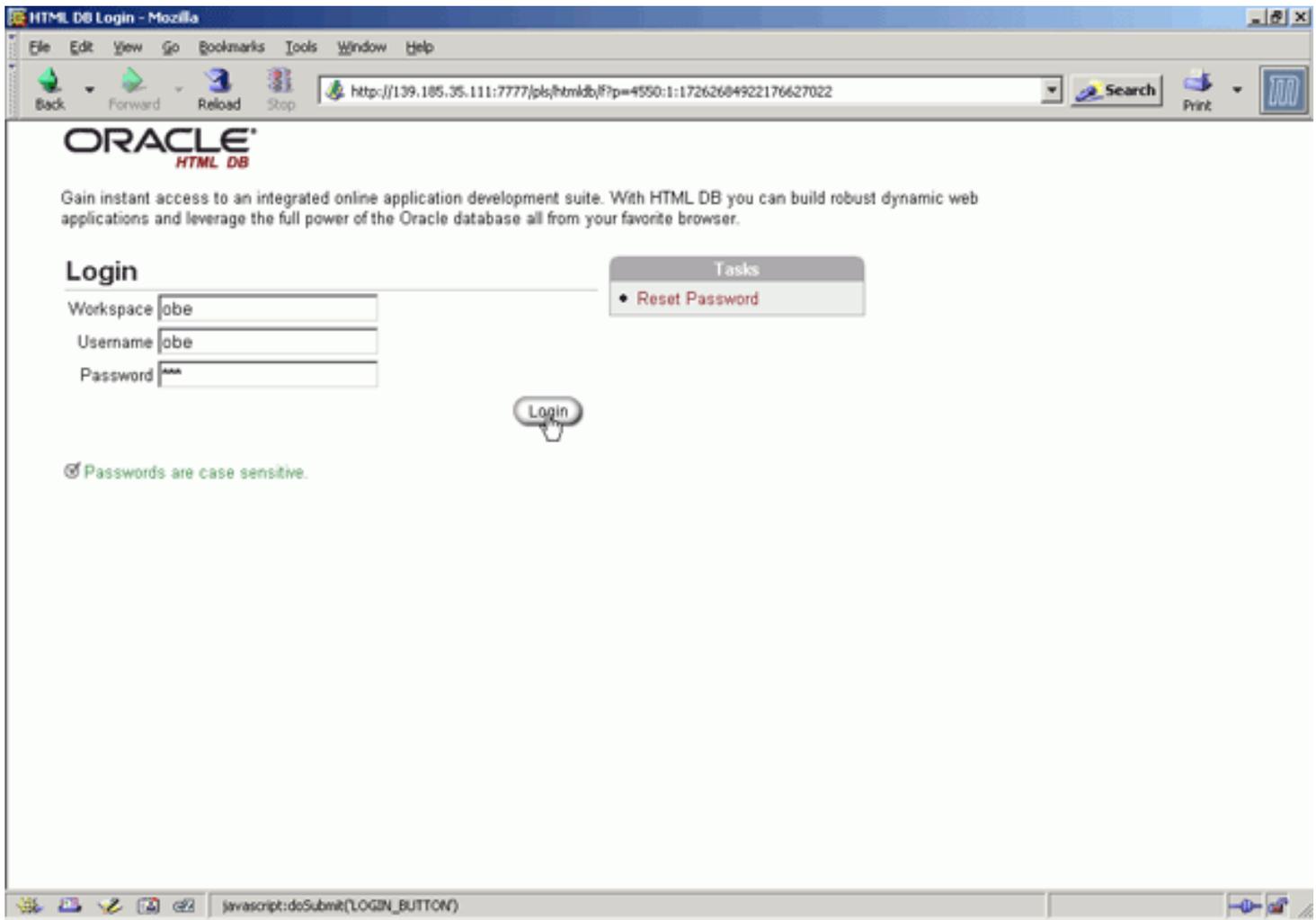
[Back to List](#)

You will first load the data that you will use for this lesson from a spreadsheet. Perform the following:

1. Enter the following URL to login to HTML DB:

http://<hostname>:7777/pls/htmlldb/htmlldb

2. Enter your workspace (**obe**), username (**obe**), and password (**obe**) and click **Login** .



3. You first want to create the table that the application will be based on. Click **Data Workshop** .

The screenshot shows the Oracle HTML DB Home page in a Mozilla browser window. The browser's address bar displays the URL: <http://139.185.35.111:7777/pls/htmldb/f?p=4350:1:17262684922176627022>. The page features the Oracle HTML DB logo and navigation tabs for Home, Build, SQL, Data, Logout, and Help. Below the logo, there are tabs for Development and Administration. The main content area is titled "Welcome to HTML DB" and includes a brief description: "With HTML DB you can build database-centric HTML Web applications. Use the Builder to construct pages that will constitute your application. Use the SQL Workshop and the Data Workshop to run SQL and add data." Below this text are four icons representing the Application Builder, SQL Workshop, Data Workshop, and Administration. The Data Workshop icon is highlighted with a mouse cursor. On the right side, there are two sections: "Development" which states "HTML DB is an online development environment that enables developers to build applications using a Web browser." and "Tasks" which lists three items: "Review Demonstration Applications", "Manage Developers", and "Monitor Activity". The footer of the page displays "Workspace: OBE Language: en-us" and "Copyright © 1999, 2004, Oracle. All rights reserved." The browser's status bar at the bottom shows the URL: <http://139.185.35.111:7777/pls/htmldb/f?p=4300:9:17262684922176627022>.

4. You want to create the table based on a spreadsheet, click **Import Spreadsheet Data** .

The screenshot shows the Oracle HTML DB Data Workshop interface. The browser window title is "Data Home - Mozilla". The address bar shows the URL: <http://139.185.35.111:7777/pls/htmldb/f?p=4300:9:17262684922176627022>. The page header includes the Oracle logo and "HTML DB". The user is identified as "User: OBE". The main navigation bar contains "Data Workshop", "Data Import", "Data Export", and "Repository". The "Data Workshop" section is active, showing options for "Data Import" and "Data Export".

Data Import
Load data from your computer from various file formats into your online database.

Import Text Data XML Data [Import Spreadsheet Data](#)

Data Export
Extract data from database schemas online to files on your computer.

Export Text Data XML Export

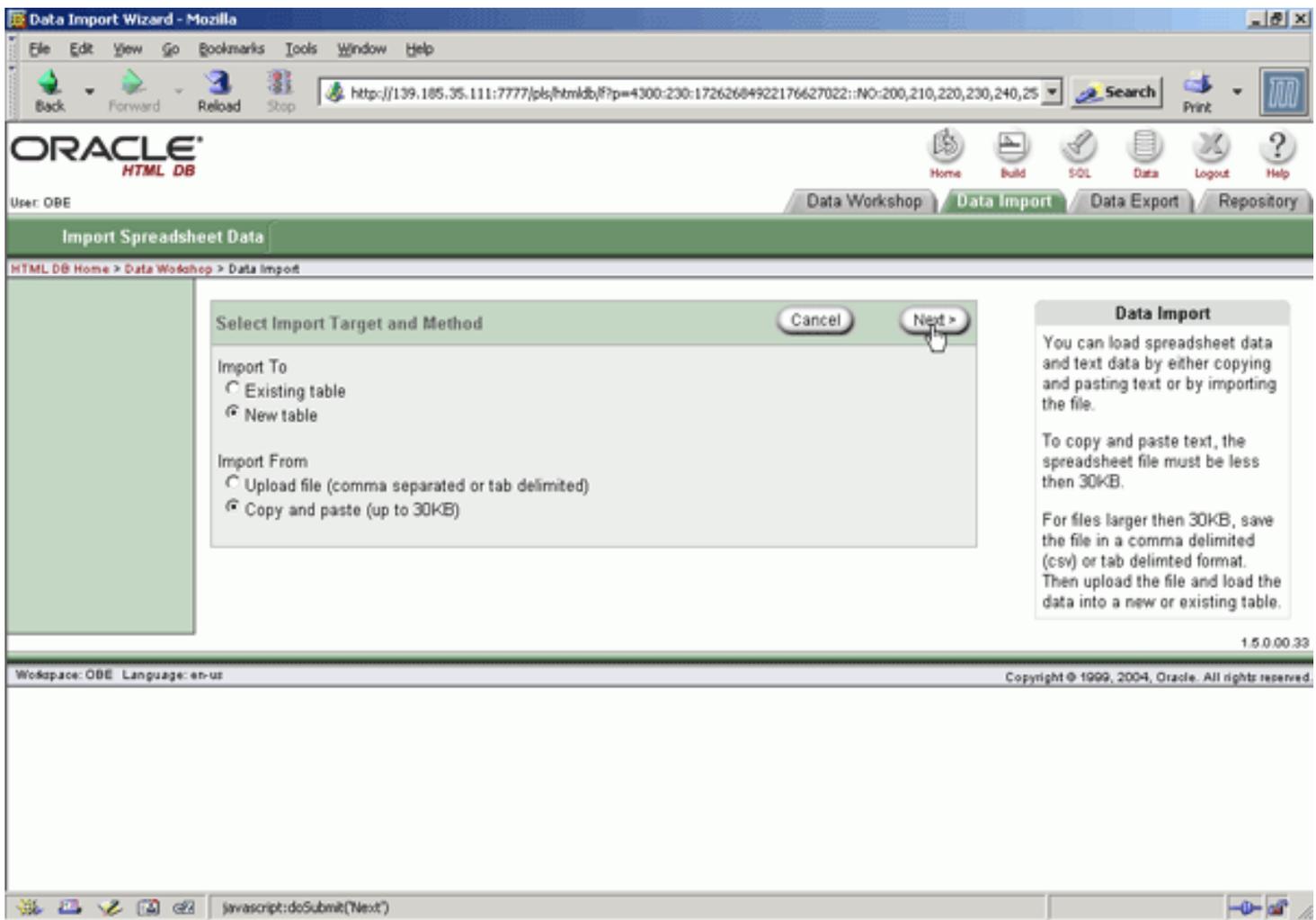
Data Workshop
Data Workshop enables you to import data into and export data from your hosted Oracle database.

You can import data into the database from text files, XML files, and data stored in a spreadsheet.

You can export data from the database to text files or XML files. Click the appropriate link to manage your data.

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

5. Make sure Import To is set to **New table** and Import From is set to **Copy and paste (up to 30KB)** and click **Next** .



6. Open **hardware.xls** in OpenOffice. Select all the data in the spreadsheet and click **ctrl-c** to copy the data to the clipboard.

	A	B	C	D	E	F	G	H	I	J	K	L
12	LTS5133	Pentium I	100	01-Jan-1996	Digital	Hinote Ultra II	L	\$2,188.00				
13	AA92CSLZE265	Pentium III	750	23-Jun-1999	Compaq	Deskpro	D	\$5,066.00				
14	3J17JZL1345	Pentium III	850	17-Aug-2001	Compaq	Armada 700	L	\$5,119.00				
15	UV103GAJQ105	PowerPC G3	466	02-Nov-2001	Apple	iBook G3	L	\$2,900.00				
16	6901B475	Pentium II	366	03-Dec-1999	Toshiba	Portege 7020CT	L	\$3,321.00				
17	OK765KLJL543	PowerPC G3	450	08-Sep-2000	Apple	Powerbook	L	\$2,870.00				
18	BHDY087	Pentium III	600	27-Oct-2001	Dell	Optiplex	D	\$5,276.00				
19	QT6547PLPS	PowerPC G4	800	01-Jun-2002	Apple	Powerbook	L	\$3,200.00				
20	9875H879	Pentium III	850	05-Oct-2001	Toshiba	Tecra 8200	L	\$5,446.00				
21	H098OIUP296	Pentium IV	1700	27-Apr-2002	Compaq	Evo	D	\$6,477.00				
22	KLJH98798YUTU	Pentium III	1200	12-Jun-2002	Dell	Latitude C610	L	\$5,170.00				
23	GFDU654540IU	Pentium III	450	24-Oct-2001	Dell	Latitude CS	L	\$5,120.00				
24	QT21603PLP5	PowerPC G4	800	12-Jul-2002	Apple	Powerbook	L	\$3,773.00				
25	QT1030FH	PowerPC G4	667	10-Jan-2002	Apple	Powerbook	L	\$3,800.00				
26	XA9042NUFLO	PowerPC G3	333	13-Apr-2001	Apple	Powerbook	L	\$2,660.00				
27	FL4Q321	Pentium III	2400	10-Dec-2002	Dell	GX260	D	\$6,267.00				
28	WE5483	PowerPC G4	200	09-Oct-2000	Dell	Optiplex	D	\$2,343.00				
29	YUED8888	Pentium III	667	01-Jun-1999	Dell	Optiplex GX1	D	\$3,256.00				
30	LKM7D9J	Pentium IV	1000	12-May-2003	Gateway	Cash Cow	L	\$4,532.00				
31	54HFLDSEG77	Pentium III	466	14-Jun-2003	Toshiba	Tecra 8200	L	\$5,401.00				
32	90DSLFR7	Pentium III	366	15-Jun-2002	Dell	GX240	D	\$6,588.00				
33	88LDKSUE	PowerPC G4	450	08-Apr-2001	Compaq	Deskpro EN	D	\$5,330.00				
34	HKLDUB10	PowerPC G4	600	01-Apr-2003	Dell	Optiplex G1	D	\$1,399.00				
35	54FFVDWS	PowerPC G3	800	24-Oct-1996	Dell	Optiplex GXMT 5166	D	\$2,378.00				
36	8UJDSLKN	Pentium III	850	20-Mar-2000	Toshiba	Tecra 8100	L	\$5,122.00				
37	NKEW77U	Pentium I	1700	01-Mar-2003	Toshiba	Tecra 740 CDT	L	\$2,266.00				
38	OKMND876	Pentium I	1200	01-Jan-1998	Digital	Hinote Ultra II	L	\$2,188.00				
39												
40												
41												
42												
43												
44												
45												
46												
47												

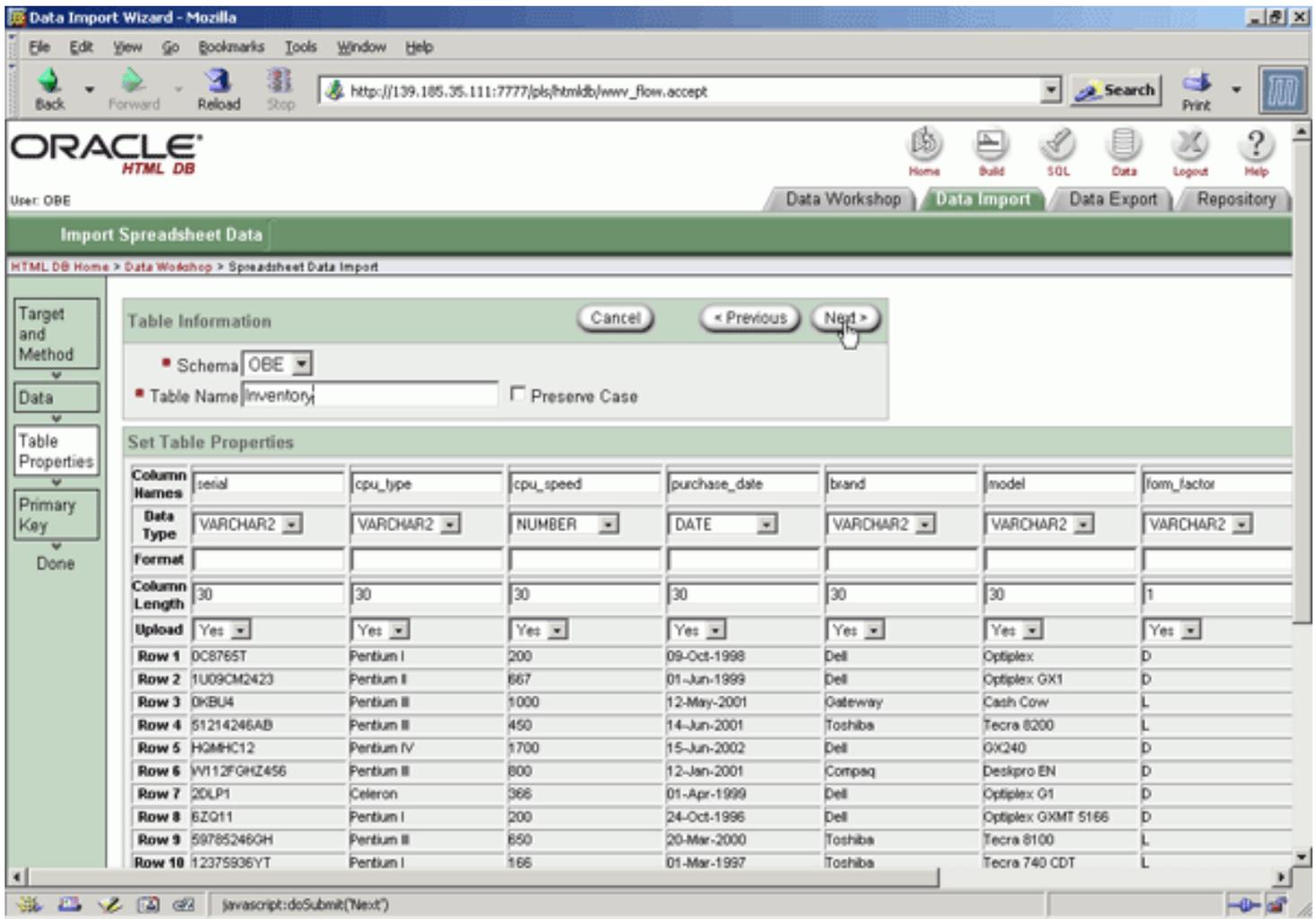
- Switch back to your browser where you are logged in to HTML DB. Click in the data field and click **ctrl-v** to paste the data into the field. Then click **Next**.

The screenshot shows the Oracle HTML DB Data Import Wizard interface. The main window is titled "Copy and Paste Data" and contains a table of computer specifications. The table has 6 columns: ID, Brand, Model, Processor, Price, and Date. The data is as follows:

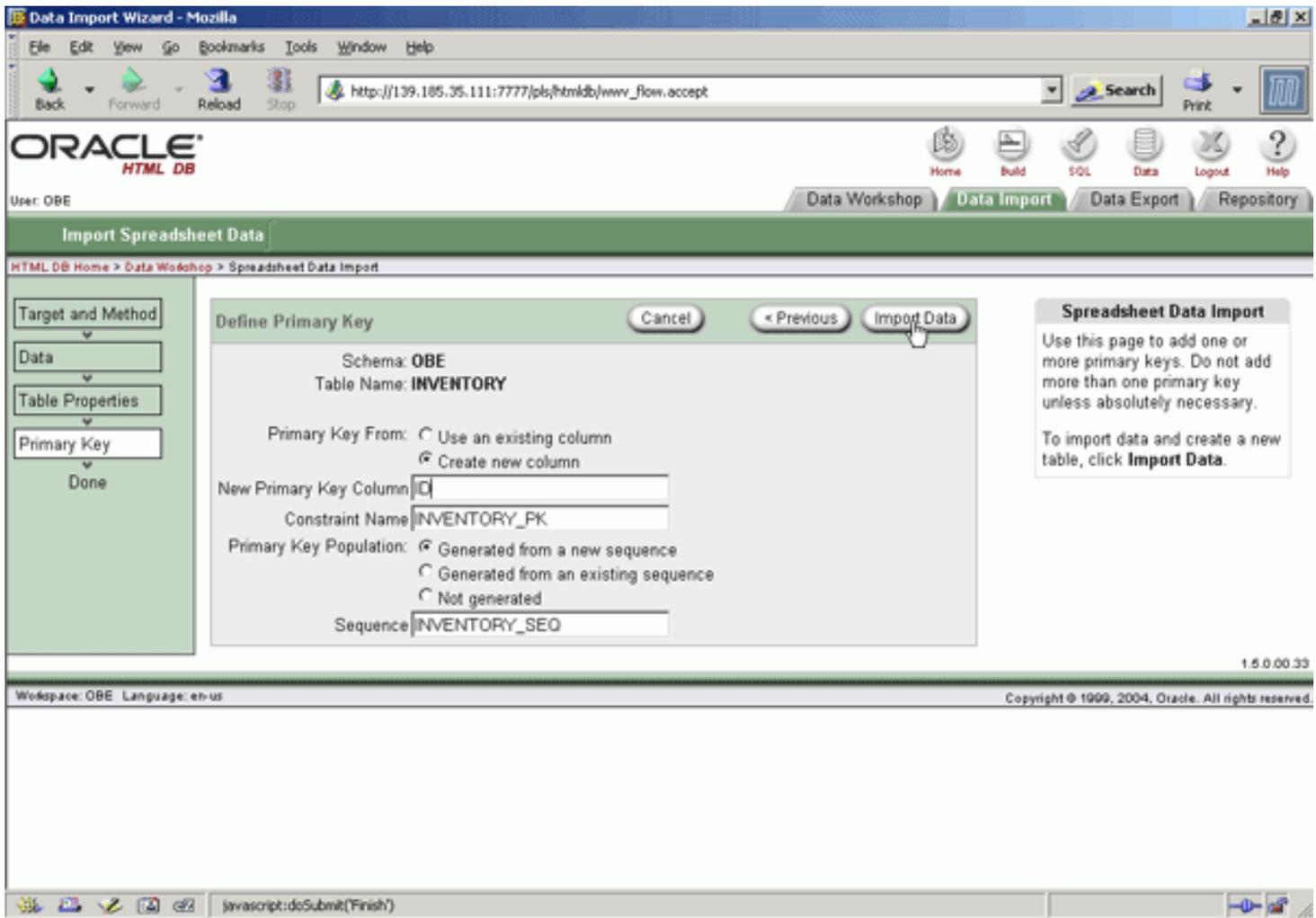
ID	Brand	Model	Processor	Price	Date
HKLD0810	PowerPC	G4	600	01-Apr-2003	Dell
	Optiplex	G1	D	\$1,399.00	
54FFFVDWS	PowerPC	G3	800	24-Oct-1996	Dell
	Optiplex	GXMT 5166	D	\$2,378.00	
8UJJD8L8N	Pentium	III	850	20-Mar-2000	
	Toshiba	Tecra 8100	L	\$5,122.00	
JKEW77U	Pentium	I	1700	01-Mar-2003	Toshiba
	Tecra	740 CDT	L	\$2,266.00	
OKMND876	Pentium	I	1200	01-Jan-1998	
	Digital	Hinote Ultra II	L	\$2,188.00	

Below the table, it indicates "2555 of 32000" rows and a checkbox for "First row contains column names." which is checked. The "Next >" button is highlighted with a mouse cursor.

8. The Table Information window will appear which shows the columns in the table and their format, as well as the data that will be inserted into the table once the table is created. Enter the table name **Inventory** and click **Next**.

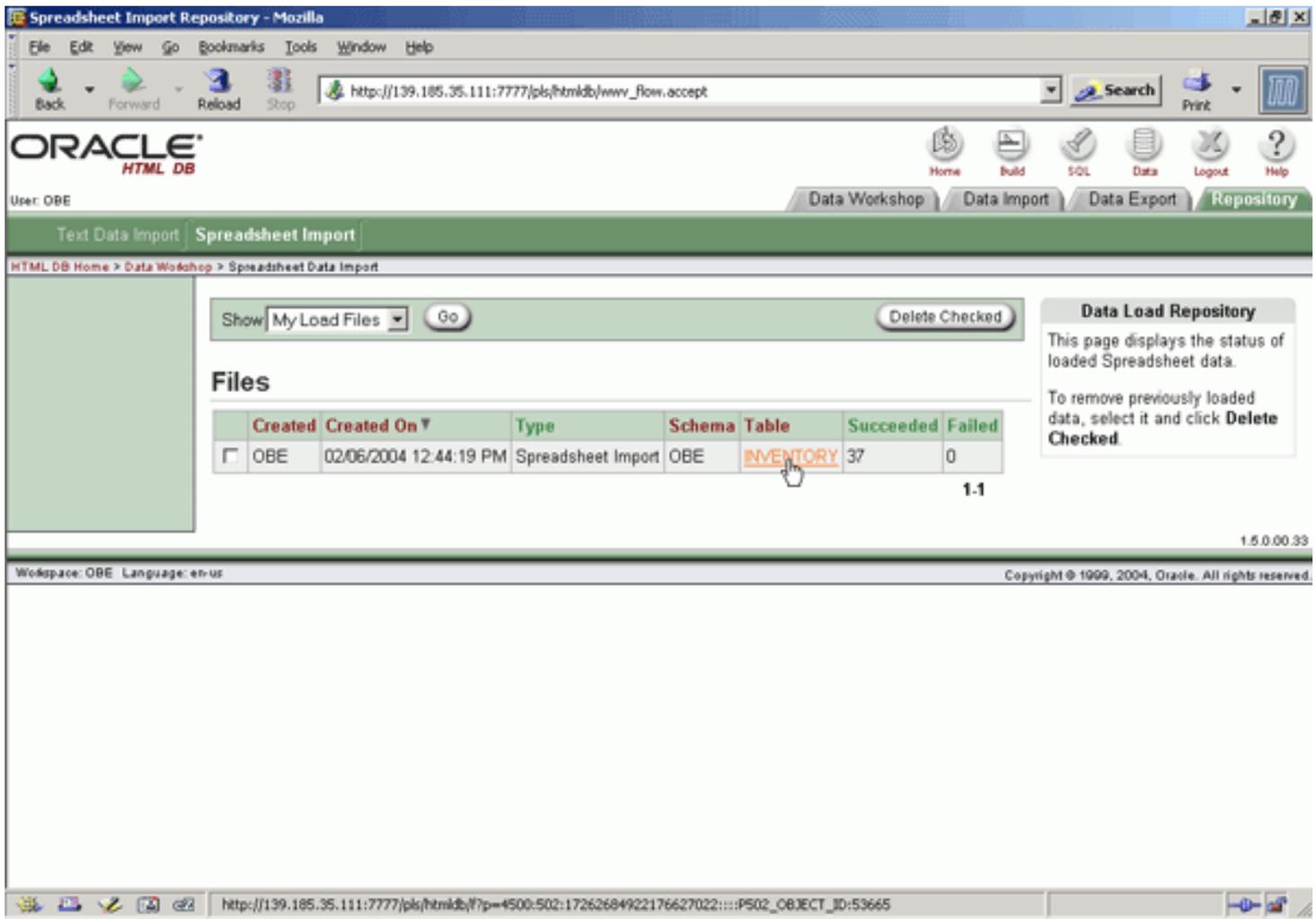


9. Accept the defaults and click **Import Data** .



Once the table is created and the data loaded, click **INVENTORY** to review the results.

10.



This window shows the table definition itself. To view the data, click **Query by Example** .

11.

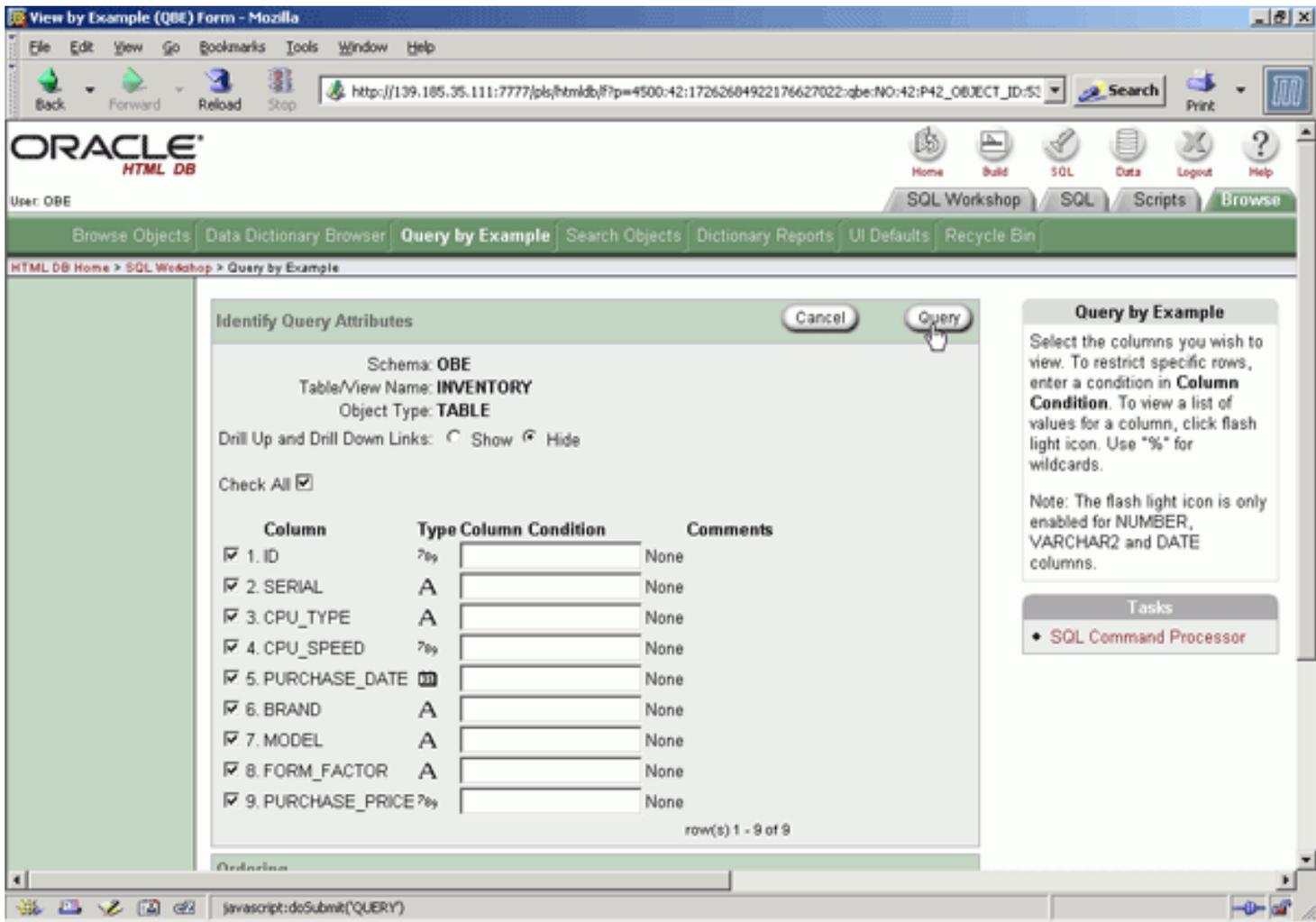
The screenshot shows the Oracle HTML DB Object Detail page for the INVENTORY table. The page is displayed in a Mozilla browser window. The main content area is divided into several sections:

- Table Summary:**
 - Table Name: **INVENTORY**
 - Table Schema: **OBE**
 - Tablespace Name: **USERS**
 - Indexes: **1**
 - Triggers: **1**
 - Constraints: **1**
 - Comments: **-**
- Table Columns:** A table listing the columns of the INVENTORY table.

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	BRAND	Varchar2	30			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		
- Object Details:** A box containing the text: "This report displays database object details."
- Tasks:** A list of actions available for the table:
 - Count Rows
 - Create Lookup Table
 - Drop this object
 - Generate Create Table Script
 - Insert Row
 - Manage Table
 - Manage UI Defaults
 - Popup Table Columns
 - [Query By Example](#)
 - Report Database Objects
 - View Data Model

Click the **Check All** checkbox and click **Query** .

12.



13. You see the result of your query. You can change any of the data in the database from this window. At this point, you want to go back to the summary window. Click **SQL Workshop** .

The screenshot shows the Oracle HTML DB Query by Example interface. The browser window title is "View By Example (QBE) Result - Mozilla". The address bar shows the URL: http://139.185.35.111:7777/pls/htmldb/www_flow.accept. The Oracle logo and "HTML DB" are visible at the top left. The user is identified as "User: OBE". The navigation menu includes "SQL Workshop", "SQL", "Scripts", and "Browse". The current table/view is "INVENTORY". The query result is displayed in a table with 8 rows and 10 columns: Edit, Id, Serial, Cpu Type, Cpu Speed, Purchase Date, Brand, Model, Form Factor, and Purchase Price.

Edit	Id	Serial	Cpu Type	Cpu Speed	Purchase Date	Brand	Model	Form Factor	Purchase Price
	1	0C8765T	Pentium I	200	09-OCT-98	Dell	Optiplex D		2343
	2	1U09CM2423	Pentium II	667	01-JUN-99	Dell	Optiplex GX1	D	3256
	3	0KBU4	Pentium III	1000	12-MAY-01	Gateway	Cash Cow	L	4532
	4	51214246AB	Pentium III	450	14-JUN-01	Toshiba	Tecra 8200	L	5401
	5	HQMHC12	Pentium IV	1700	15-JUN-02	Dell	Gx240	D	6588
	6	W112FGHZ456	Pentium III	800	12-JAN-01	Compaq	Deskpro EN	D	5330
	7	2DLP1	Celeron	366	01-APR-99	Dell	Optiplex G1	D	1399
	8	6ZQ11	Pentium I	200	24-OCT-96	Dell	Optiplex GXMT 5166	D	2378

Adding a Lookup Table

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You will create a lookup table on the Brand column. Perform the following:

1. Select Tables.



2. Select **OBE** for the schema and **Tables** for the Object Type. Then select the magnifying glass next to the **INVENTORY** table to edit the table definition.

Database Object Browser - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser Search Objects Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Database browser

Schema: OBE Type: TABLE Search: Go

Database Object Results

Name ▲	Status	Created	Last DDL
DEMO_ABOUT	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:29 AM
DEMO_CUSTOMERS	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:30 AM
DEMO_ORDERS	VALID	02/09/2004 07:05:30 AM	02/09/2004 07:05:31 AM
DEMO_ORDER_ITEMS	VALID	02/09/2004 07:05:31 AM	02/09/2004 07:05:31 AM
DEMO_PRODUCT_INFO	VALID	02/09/2004 07:05:30 AM	02/09/2004 07:05:30 AM
DEMO_STATES	VALID	02/09/2004 07:05:31 AM	02/09/2004 07:05:31 AM
DEPT	VALID	02/09/2004 07:05:28 AM	02/09/2004 07:05:28 AM
EMP	VALID	02/09/2004 07:05:29 AM	02/09/2004 07:05:29 AM
INVENTORY	VALID	02/09/2004 09:08:23 AM	02/09/2004 09:08:24 AM

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Browse

Use the Data Browser to view database objects.

To find a database object, select a schema (or username), type, and optionally enter a search. The available schema values depend upon your resource privileges.

Tasks

- Browse Data Dictionary
- Create Database Object
- SQL Command Processor

http://139.185.35.111:7777/pls/htmldb/?p=4500:502:10712865776968454750:::PS02_OBJECT_ID:53948

3. Click **Create Lookup Table** .

Object Detail - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750:::P502_OBJECT_ID:53948 Search Print

ORACLE
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser Search Objects **Object Details** Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Database browser > Object Detail

Table Summary

Table Name **INVENTORY**
 Table Schema **OBE**
 Tablespace Name **FLOW_1**
 Indexes **1**
 Triggers **1**
 Constraints **1**
 Comments -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	BRAND	Varchar2	30			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		

Object Details

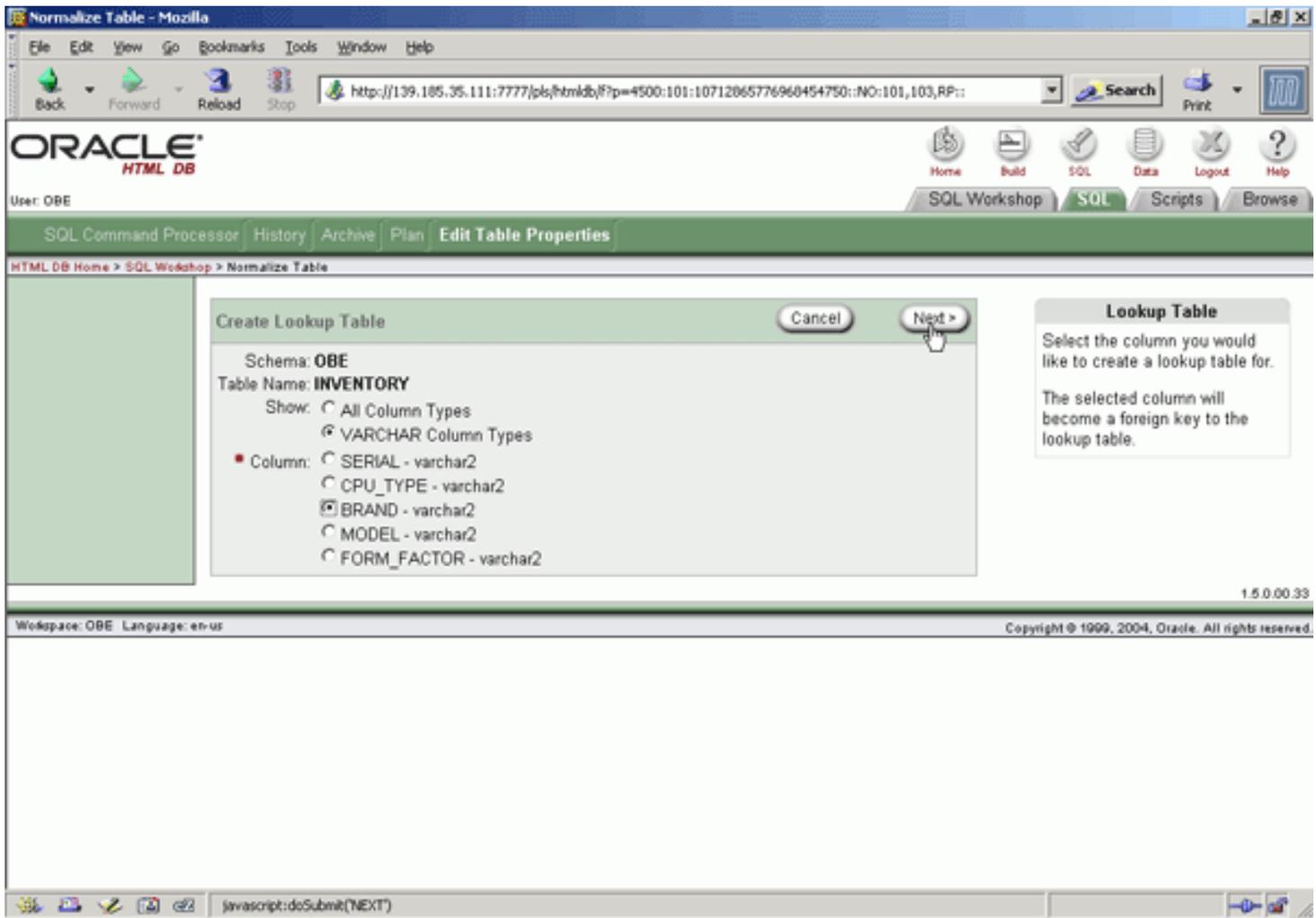
This report displays database object details.

Tasks

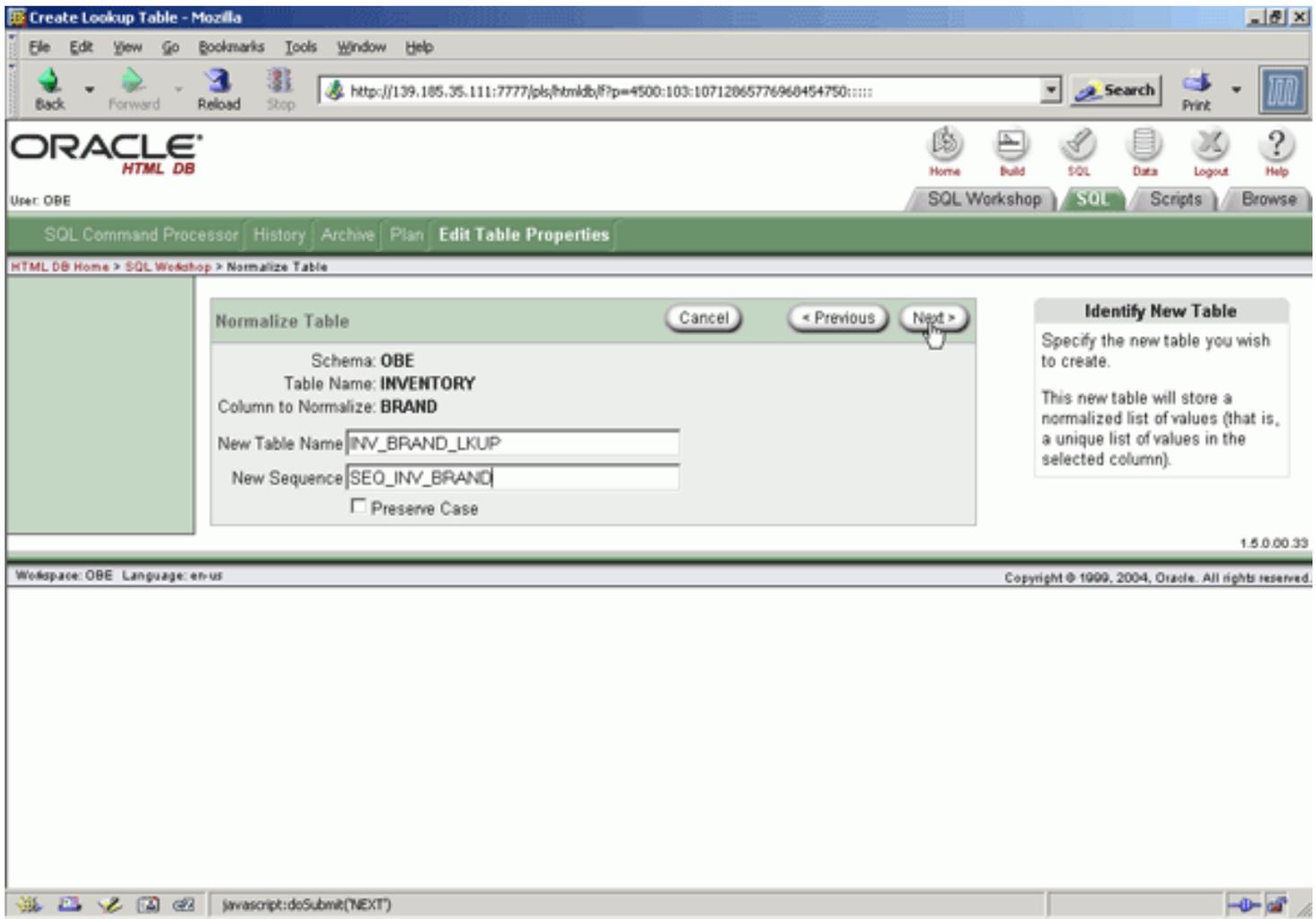
- Count Rows
- [Create Lookup Table](#)
- Drop object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

http://139.185.35.111:7777/pls/htmldb/f?p=4500:101:10712865776968454750:::NO:101,103,RP::

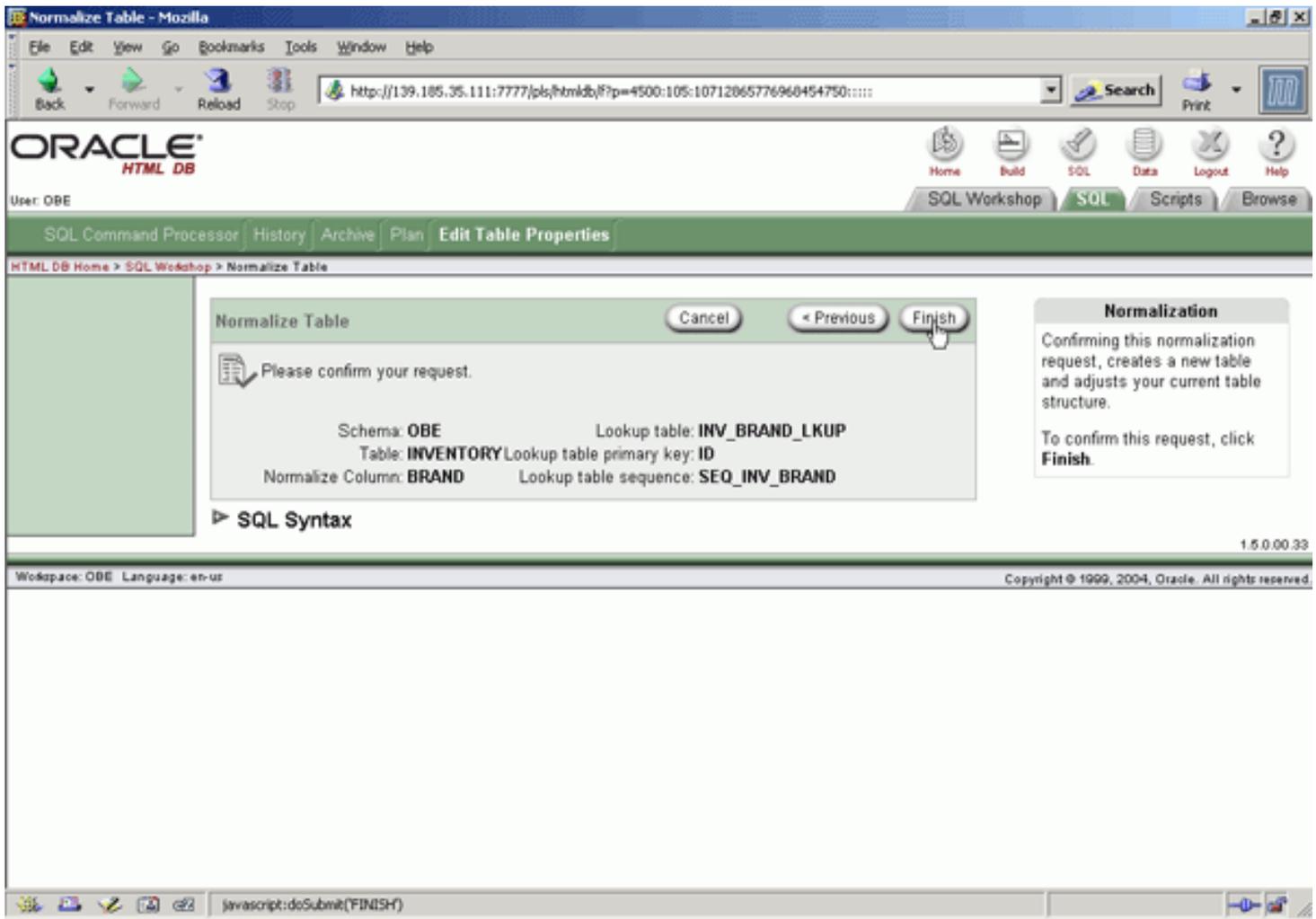
4. Click the **Brand** column radio button and click **Next** .



5. Enter **INV_BRAND_LKUP** for the New Table Name and **SEQ_INV_BRAND** for the New Sequence and click **Next** .



6. Click **Finish** .



7. Scroll down to the bottom of the Table Summary window and expand **Foreign Key (Tables INVENTORY References)**.

Object Detail - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/f?p=4500:502:10712865776968454750::NO:::6success_msg=Lookup Search Print

Tablespace Name **FLOW_1**
 Indexes 1
 Triggers 1
 Constraints 2
 Comments -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		
	PURCHASE_PRICE	Number				✓		
	BRAND_ID	Number				✓		

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

Indexes
 Triggers
 Constraints
 Foreign Keys (Tables that reference INVENTORY)
 Foreign Keys (Tables INVENTORY references)

15.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:hideShow('region12','shIMG12','/rollup_plus_dgray.gif','/rollup_minus_dgray.gif');

8. Select the Ref Table **INV_BRAND_LKUP** .

Object Detail - Mozilla

Tablespace Name **FLOW_1**
 Indexes **1**
 Triggers **1**
 Constraints **2**
 Comments **-**

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	SERIAL	Varchar2	30			✓		
	CPU_TYPE	Varchar2	30			✓		
	CPU_SPEED	Number				✓		
	PURCHASE_DATE	Date	7			✓		
	MODEL	Varchar2	30			✓		
	FORM_FACTOR	Varchar2	1			✓		
	PURCHASE_PRICE	Number				✓		
	BRAND_ID	Number				✓		

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- Query By Example
- Report Dependent Objects
- View Data Model

▶ Indexes
 ▶ Triggers
 ▶ Constraints
 ▶ Foreign Keys (Tables that reference INVENTORY)
 ▼ Foreign Keys (Tables INVENTORY references)

Schema	Child Constraint	Child Table	Child Columns	Parent Owner	Parent Table	Parent Columns
OBE	SYS_C007096	INVENTORY	BRAND_ID	OBE	INV BRAND LKUP	ID

9. Click **Query by Example** .

Table Summary

Table Name **INV_BRAND_LKUP**
 Table Schema **OBE**
 Tablespace Name **FLOW_1**
 Indexes **2**
 Triggers **1**
 Constraints **3**
 Comments -

Table Columns

Primary Key	Name	Type	Length	Precision	Scale	Nullable	Default	Comments
1	ID	Number						
	BRAND	Varchar2	4000					

▼ Indexes
 ▼ Triggers
 ▼ Constraints
 ▼ Foreign Keys (Tables that reference INV_BRAND_LKUP)
 ▼ Foreign Keys (Tables INV_BRAND_LKUP references)

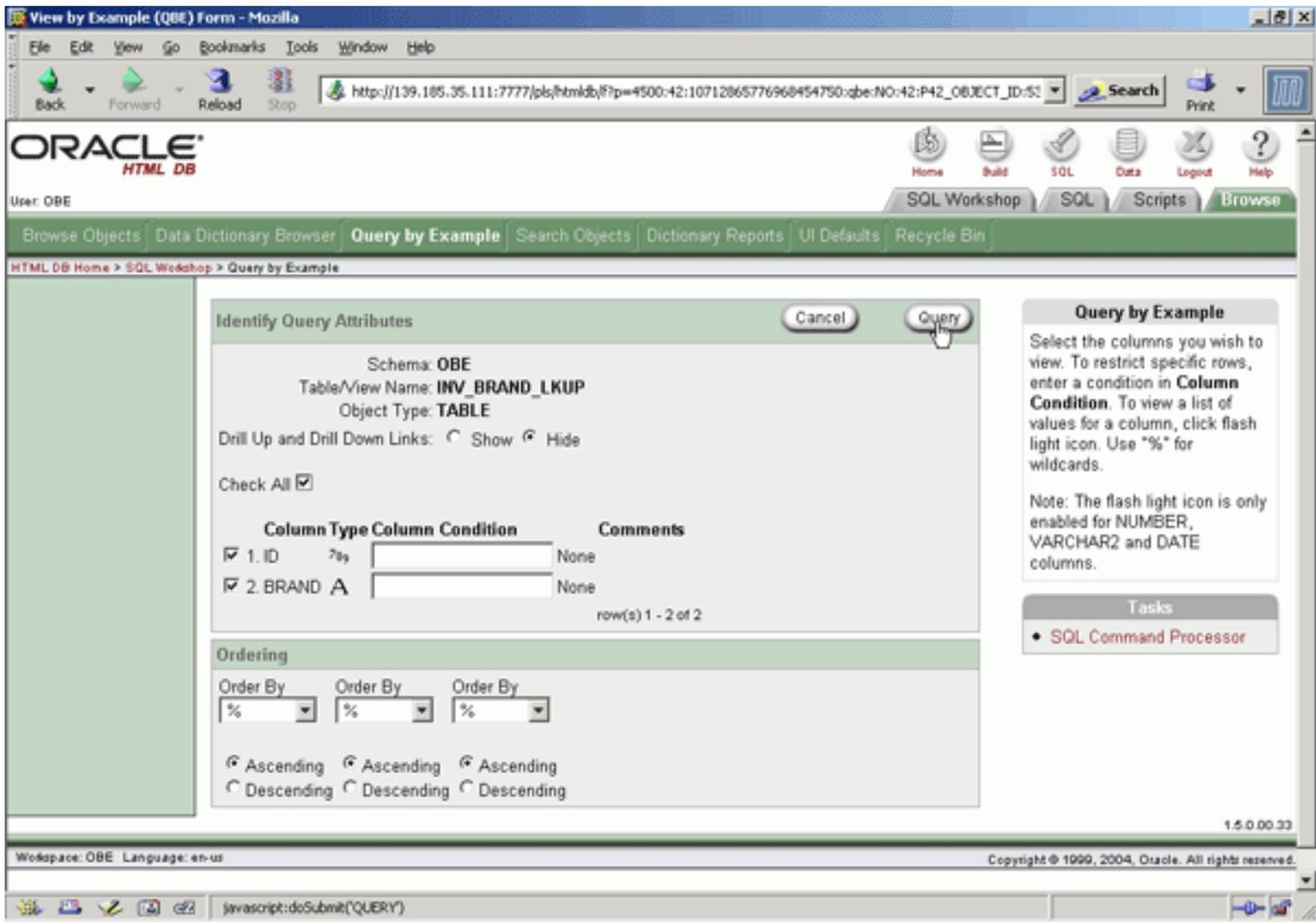
Object Details
 This report displays database object details.

Tasks

- Count Rows
- Create Lookup Table
- Drop this object
- Generate Create Table Script
- Insert Row
- Manage Table
- Manage UI Defaults
- Popup Table Columns
- **Query By Example**
- Report Dependent Objects
- View Data Model

Click the **Check All** checkbox and click **Query** .

10.



The query results are shown. Next you will create the application. Click the **Build** icon at the top of the window.

11.

View By Example (QBE) Result - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop http://139.185.35.111:7777/pls/htmldb/www_flow.accept Search Print

ORACLE
HTML DB

User: OBE

Home Build SQL Data Logout Help

SQL Workshop SQL Scripts Browse

Browse Objects Data Dictionary Browser Query by Example Search Objects Dictionary Reports UI Defaults Recycle Bin

HTML DB Home > SQL Workshop > Query by Example

Max Rows 15 Go

Current Table/View: INV_BRAND_LKUP < New Query View SQL Create Row >

Query Result

Edit	Id	Brand
	1	Apple
	2	Compaq
	3	Dell
	4	Digital
	5	Gateway
	6	Toshiba

1 - 6

Query Result

This page displays the results of your query. For Query By Example results, you can drill down or drill up to different tables that have referential integrity to the current table.

To enter a new query, click **New Query**.

To view the SQL statement used to generate this report, click **View SQL**.

Tasks

- Query by Example
- SQL Command Processor

1.5.0.0.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

<http://139.185.35.111:7777/pls/htmldb/f?p=4000:1:10712865776968454750>

Creating an Application

[Back to List](#)

You will first need to create an application. Perform the following:

1. From the main Builder window, click **Create Application** .

Application Builder - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4000:1:10712065776960454750

Search Print

ORACLE
HTML DB

User: OBE

Application Pages Wizards Utilities

Home Processes Items Computations NavBar Tabs LOVs Trees Lists Menus Shortcuts WebServices Templates Builds Security

HTML DB Home > Builder - Application 101

Navigate

Available Applications: 101 Sample Application Go

Current Application: 101
Updated: 02/09/2004 07:05:32 AM
Authentication: SCHEME

Alias: SAMPLE_APP
Owner: OBE
Template: Opal Slices

Run Create Application Edit Attributes Export / Import

Edit Page: 1 Go View Mode: List Detail

page list page count: 16

1. Home	206. Confirm Order
101. Login	300. Products
200. Orders	301. Product Information
201. Enter Order Header	302. Products by Category
202. Select Items for this Order	303. Products in Category *P303_CATE
203. Order Details	400. Customers
204. Order Revenue by Day	401. Customer Information
205. Orders by Customer	500. About

Application Builder

An application is a collection of pages that share a common session state definition and authentication method.

To locate a specific application, make a selection from the available application list and click Go.

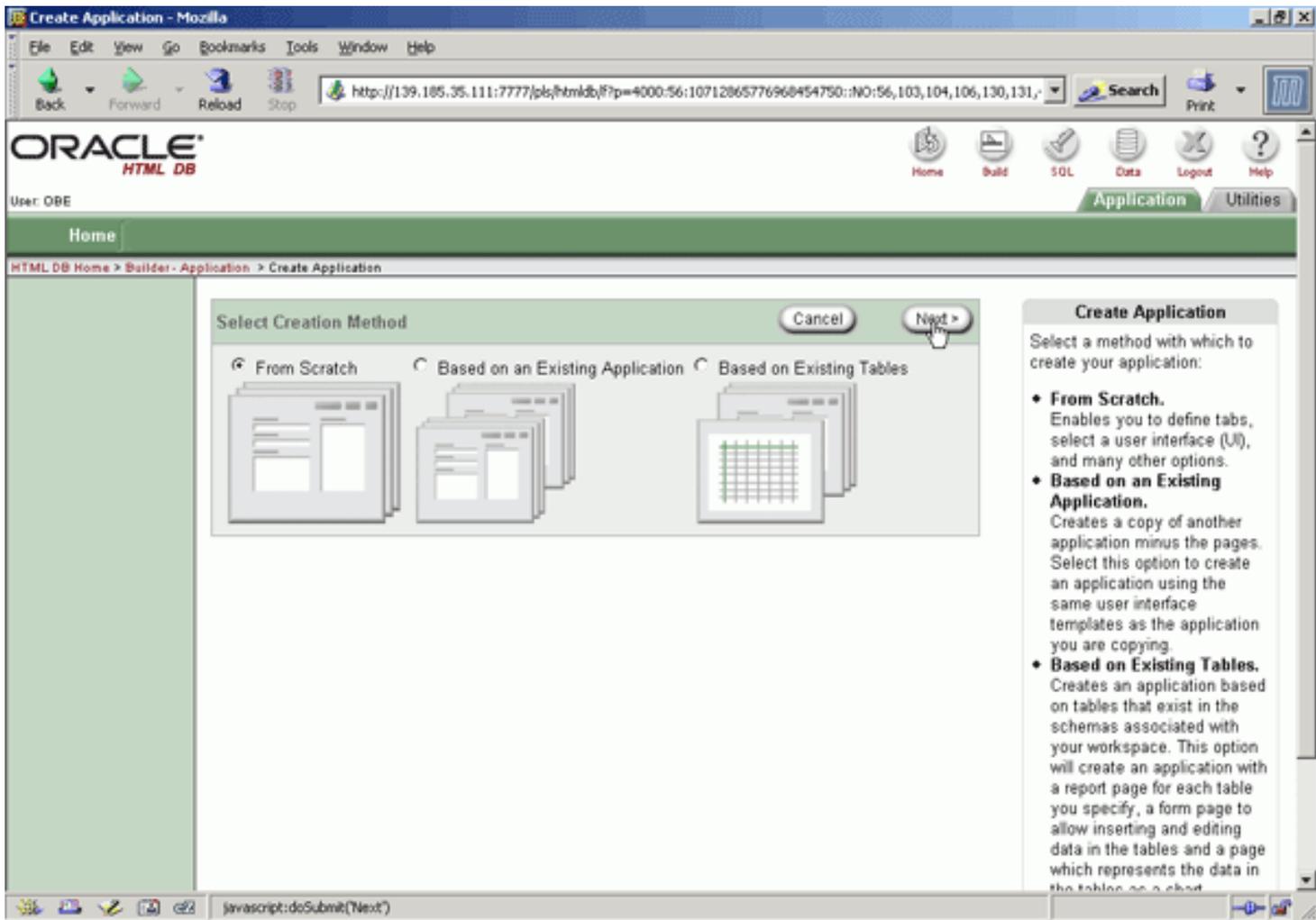
To edit a specific page, enter the page ID in the Edit Page field and click Go, or click the page name.

Tasks

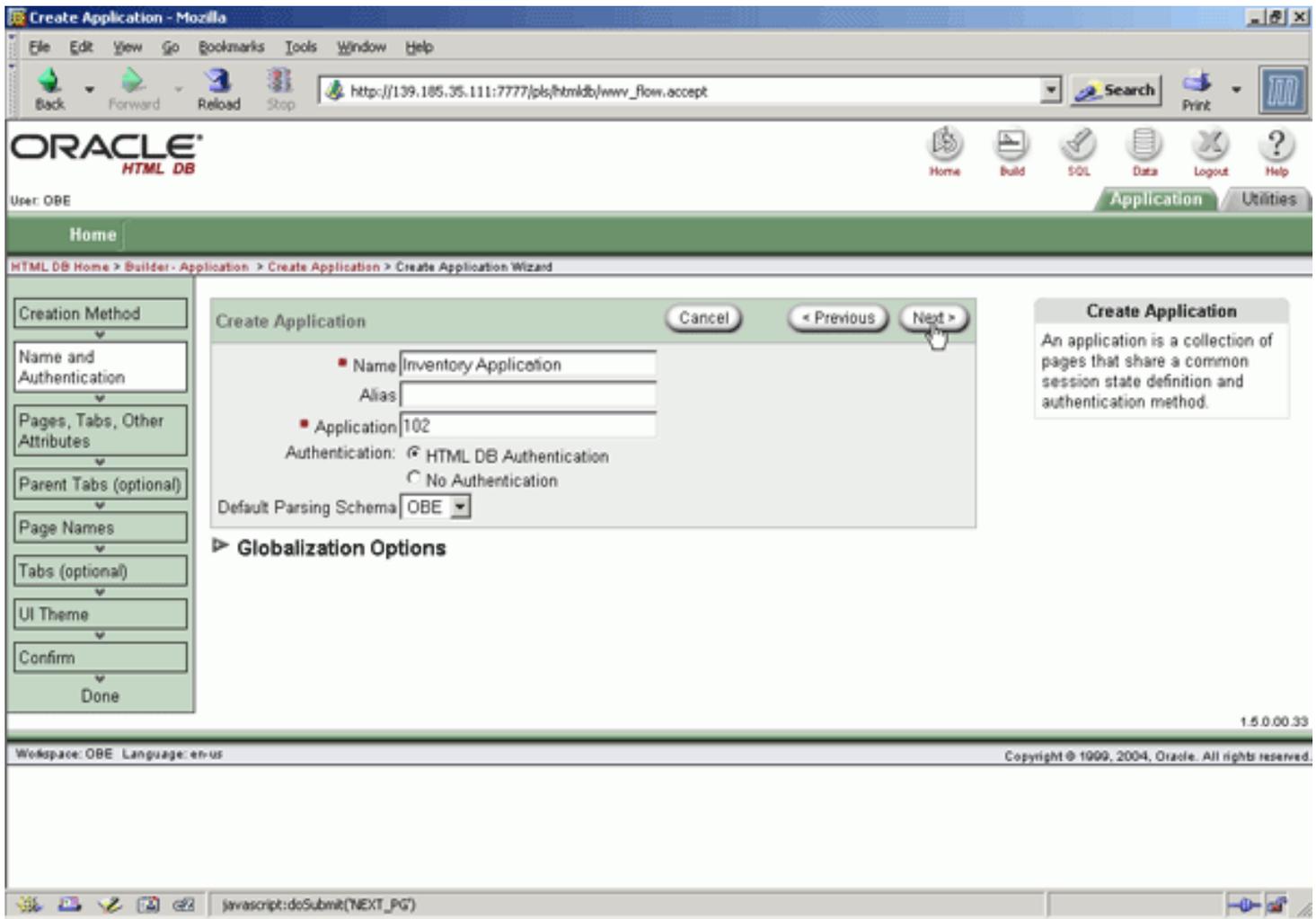
- Manage Developers
- Monitor Activity
- Review Demonstrations
- Change Password
- Extend this Application
- Delete this Application

http://139.185.35.111:7777/pls/htmldb/f?p=4000:56:107128...,4013,4059,4061,35,262,227:FB_FLOW_ID,FB_FLOW_PAGE_ID;

2. You will create a Application from scratch, click **Next** .



3. Enter **Inventory Application** in the Name field, then click **Next** .



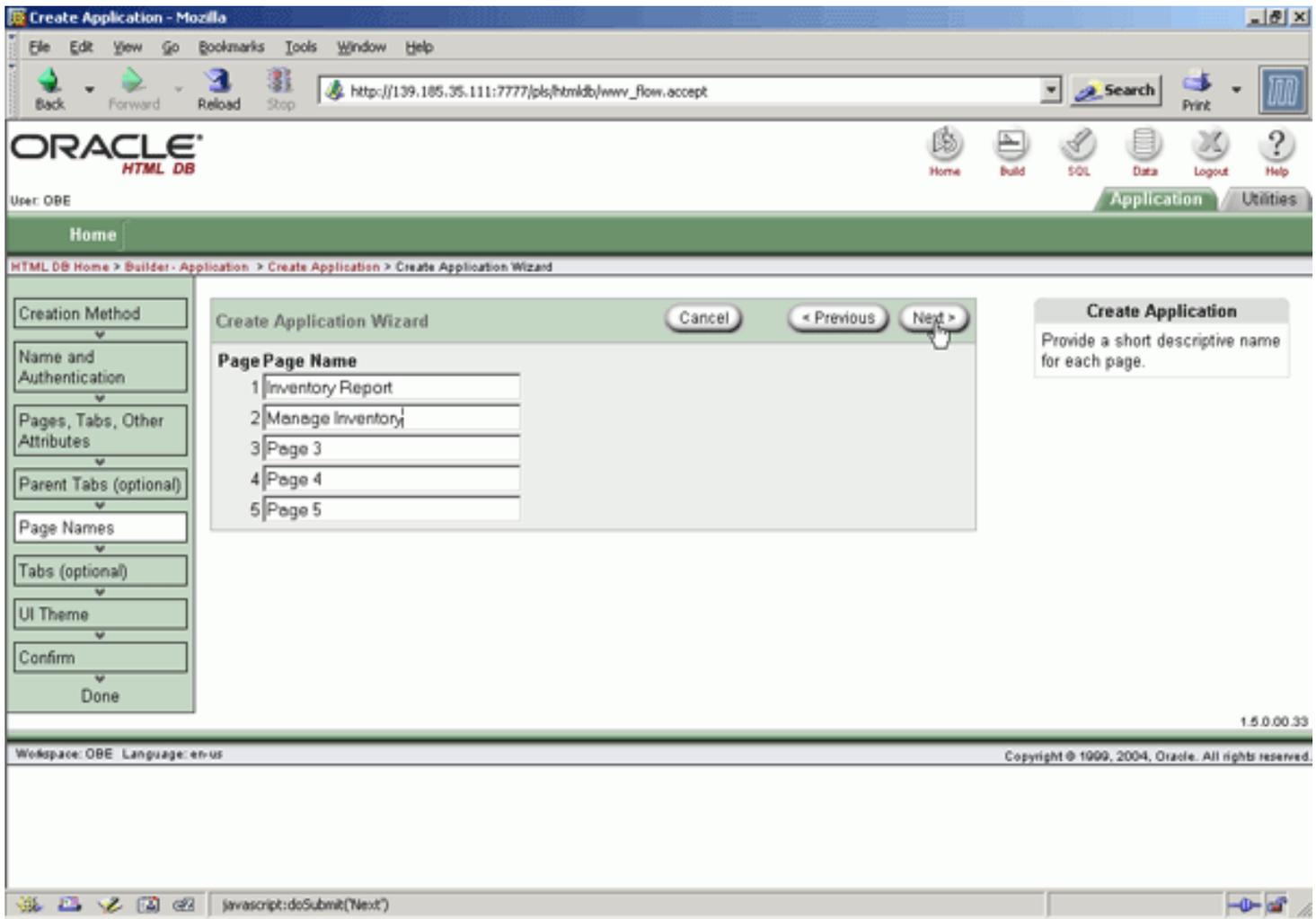
4. Make sure One Level of Tabs is selected, then click **Next** .

The screenshot shows the Oracle HTML DB Create Application Wizard in a Mozilla browser window. The browser's address bar displays the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top left. The user is identified as "User: OBE". The wizard is titled "Create Application Wizard" and is currently on the "Create Application" step. The wizard's main area shows the following configuration:

- Application: 102
- Name: **Inventory Application**
- Pages: 5
- Navigation Bar: Yes
- Tab scheme: One Level of Tabs

Three preview windows are shown below the tab scheme options, illustrating the layout for "No Tabs", "One Level of Tabs", and "Two Levels of Tabs". The "One Level of Tabs" option is selected. A "Create Application" button is located on the right side of the wizard, with a tooltip that reads: "Select the number of pages you would like to create and the tab scheme you would like to use." The wizard also includes "Cancel", "Previous", and "Next" navigation buttons. The bottom of the browser window shows the workspace name "Workspace: OBE", the language "Language: en-us", and the copyright notice "Copyright © 1999, 2004, Oracle. All rights reserved." The status bar at the bottom of the browser window displays the JavaScript code: `javascript:doSubmit('Next')`.

5. For Page Name #1 enter **Inventory Report** and for Page Name #2 enter **Manage Inventory** . Then click **Next** .



6. Make sure that the Tab Name is the same as the page name and click **Next** .

The screenshot shows the Oracle HTML DB 'Create Application Wizard' in a Mozilla browser window. The browser address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The page title is 'Create Application - Mozilla'. The Oracle logo and 'HTML DB' are visible at the top left. The user is identified as 'User: OBE'. The navigation menu includes 'Home', 'Build', 'SQL', 'Data', 'Logout', and 'Help'. The wizard progress bar shows 'Application' and 'Utilities'. The main content area is titled 'Identify Tab Names' and contains a table with the following data:

	Page Tab Name
1. Inventory Report	Inventory Report
2. Manage Inventory	Manage Inventory
3. Page 3	Page 3
4. Page 4	Page 4
5. Page 5	Page 5

Navigation buttons include 'Cancel', '< Previous', and 'Next >'. A 'Create Application' box on the right contains the text: 'Use this page to identify the standard tab label to appear on each page.' The footer shows 'Workspace: OBE Language: en-us' and 'Copyright © 1999, 2004, Oracle. All rights reserved.' The browser status bar at the bottom shows the JavaScript command: `javascript:doSubmit('NextPg')`.

7. Click the Theme **Red** and click **Next** .

The screenshot shows the Oracle HTML DB Create Application Wizard in a Mozilla browser window. The browser's address bar displays the URL `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top left. The user is identified as "User: OBE". The navigation menu includes "Home", "Build", "SQL", "Data", "Logout", and "Help". The "Application" and "Utilities" tabs are also present.

The main content area is titled "Create Application" and features a "Theme:" section with six radio button options: "Navy and Gray", "Red" (which is selected), "Blue and Tan", "Olive", "Maroon", and "Simple Blue and Tan". Each option is accompanied by a small preview image of the application's look. Navigation buttons "Cancel", "< Previous", and "Next >" are located at the top right of the theme selection area.

On the left side, a vertical navigation pane lists the following steps: "Creation Method", "Name and Authentication", "Pages, Tabs, Other Attributes", "Parent Tabs (optional)", "Page Names", "Tabs (optional)", "UI Theme" (the current step), "Confirm", and "Done".

On the right side, a "UI Theme" section contains the following text: "Use this page to select a default application page template. This page template defines the overall look of your page including the placement of tabs and navigation bars."

At the bottom of the page, the workspace is identified as "Workspace: OBE" and the language as "Language: en-us". The copyright notice "Copyright © 1999, 2004, Oracle. All rights reserved." is also visible. The browser's status bar at the very bottom shows the JavaScript code `javascript:doSubmit('Next_Pg')`.

8. Review the attributes you selected and click **Create Application** .

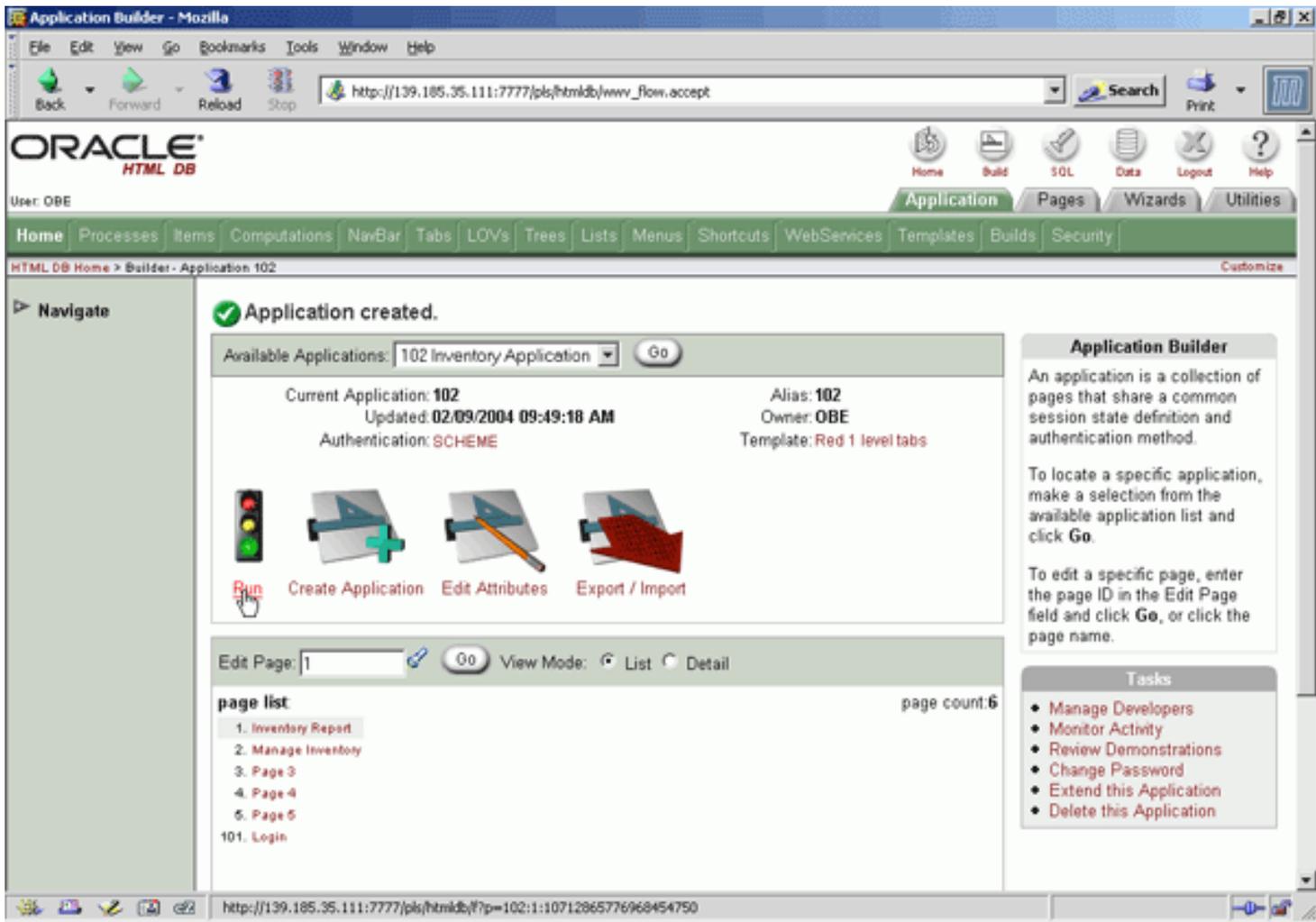
The screenshot shows the Oracle HTML DB 'Create Application' confirmation screen. The browser window title is 'Create Application - Mozilla'. The address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and 'HTML DB' text are visible at the top left. The user is identified as 'User: OBE'. The page title is 'Create Application Confirmation'. The confirmation message reads: 'You have requested to create an application with the following attributes. Please confirm your selections.'

Application	102
Name	Inventory Application
Alias	102
Parsing Schema	OBE
Default Language	en-us
Authentication	SCHEME (HTML DB)
Pages	5
Tabs	Single_Level_Tabs
Navigation Bar	YES
UI Theme	Red

The UI Theme 'Red' is visualized in a small preview window below the table, showing a red header bar with the Oracle logo and a red navigation bar.

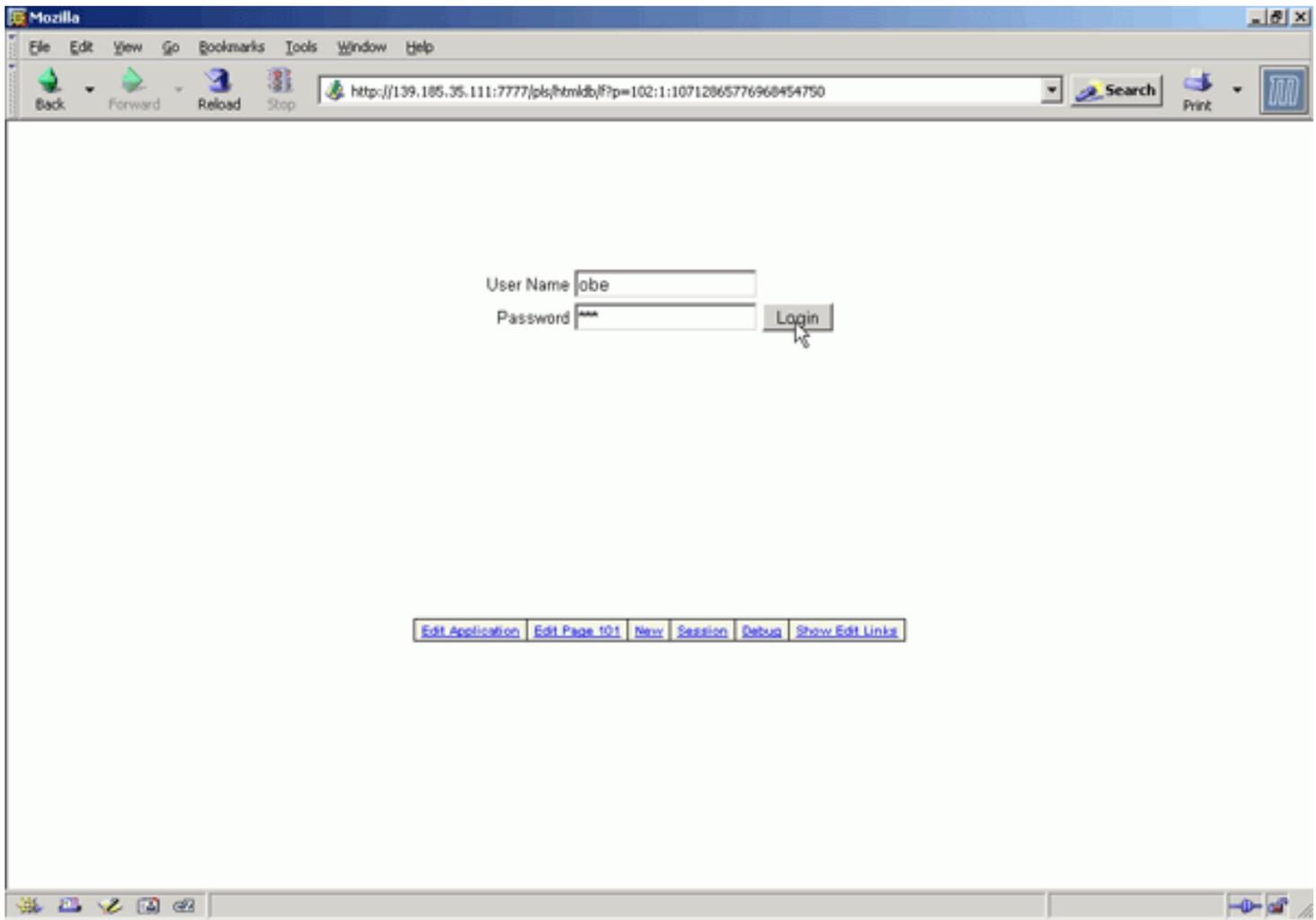
Buttons at the top of the confirmation dialog include 'Cancel', '< Previous', and 'Create Application'. A sidebar on the left contains a list of configuration options: 'Creation Method', 'Name and Authentication', 'Pages, Tabs, Other Attributes', 'Parent Tabs (optional)', 'Page Names', 'Tabs (optional)', 'UI Theme', 'Confirm', and 'Done'. The bottom status bar shows 'Workspace: OBE Language: en-us' and 'Copyright © 1999, 2004, Oracle. All rights reserved'. The browser's status bar at the very bottom shows the JavaScript code: `javascript:doSubmit('Finish')`.

9. Your application has been created. Click **Run** to see the application.

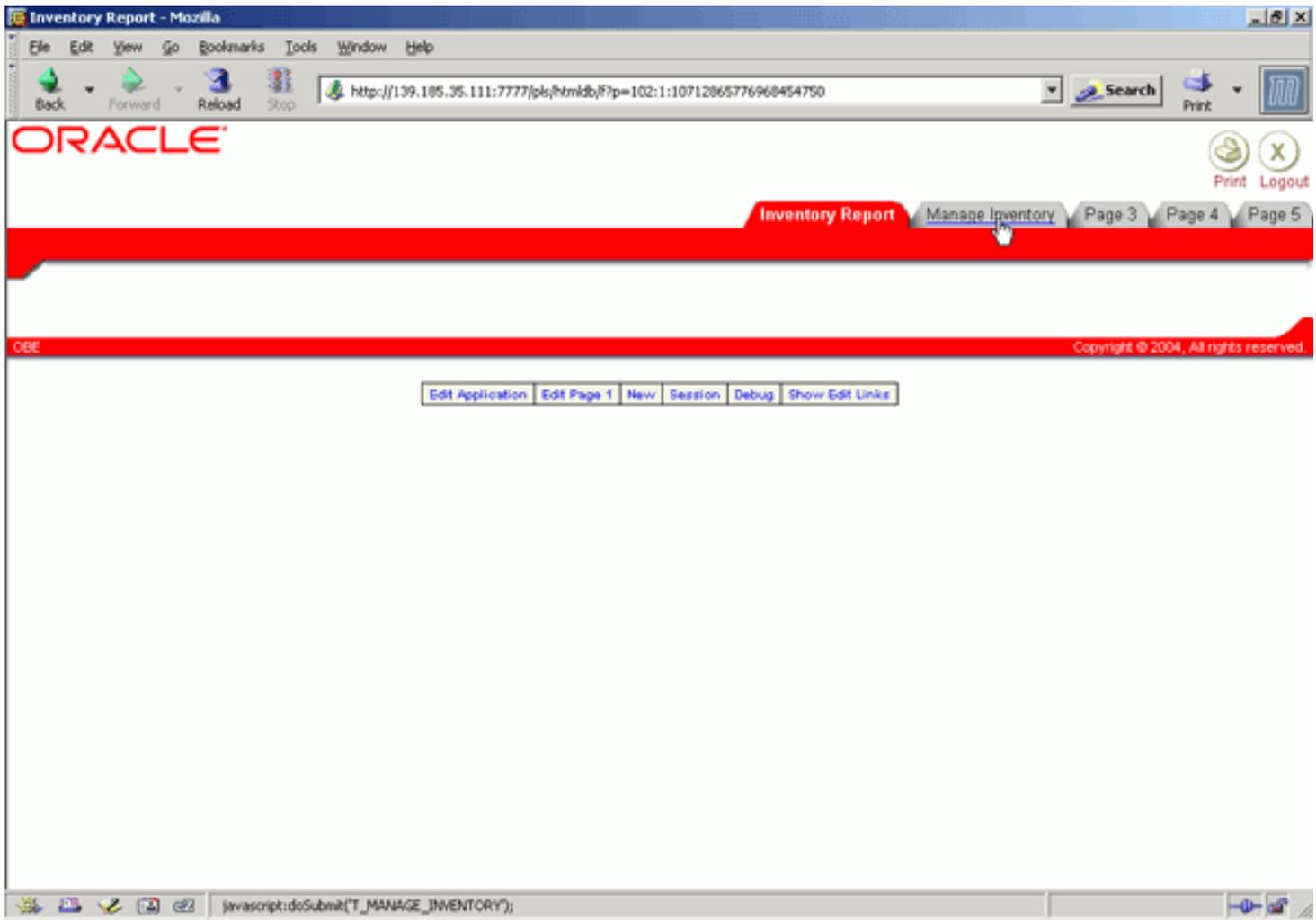


Enter your username and password and click **Login** .

10.

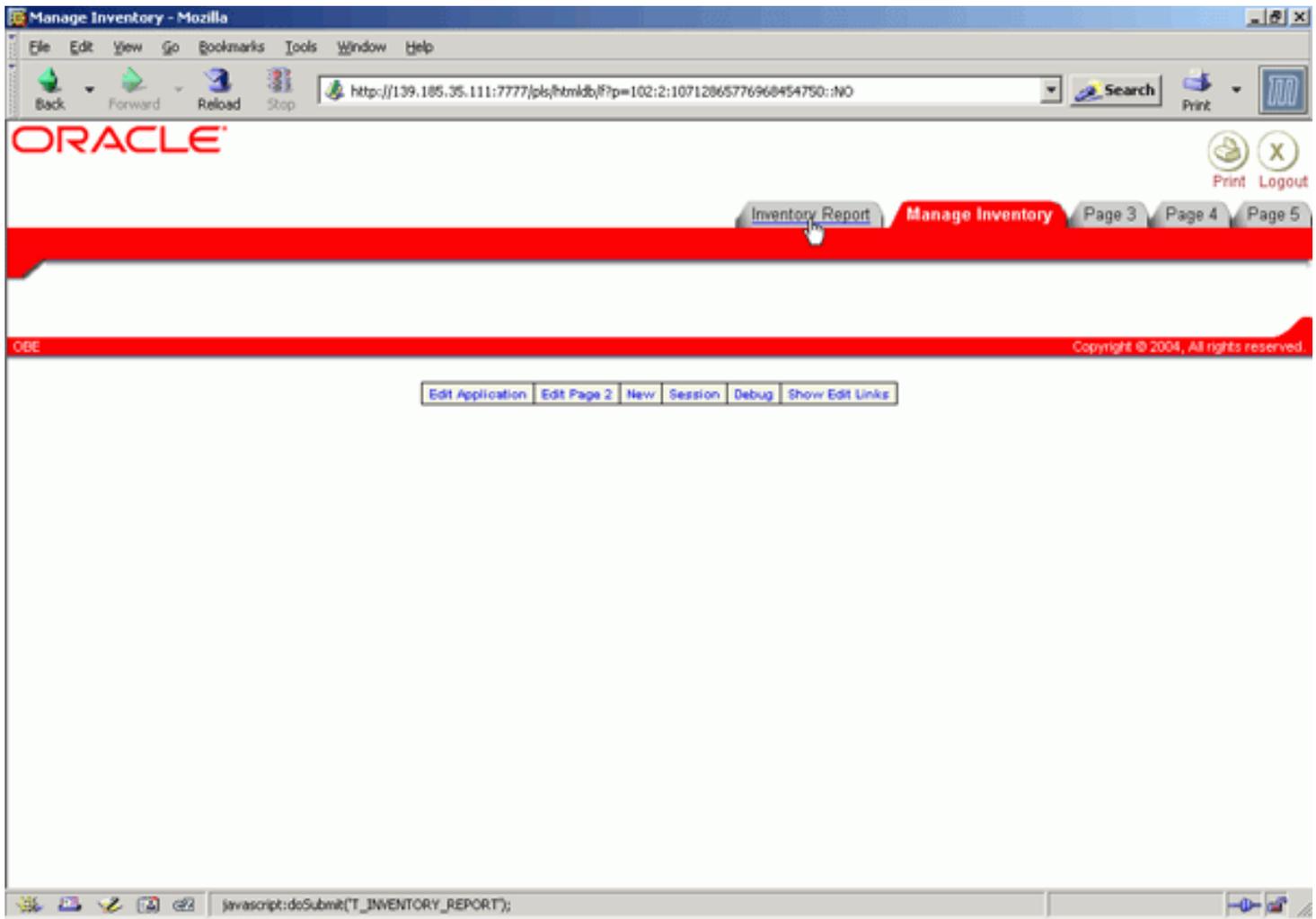


11. You see that the skeleton application was created with the tabs you specified through the wizard screens. Click the **Manage Inventory** tab.



You will now add a report to the Inventory Report tab. Click **Inventory Report** .

12.

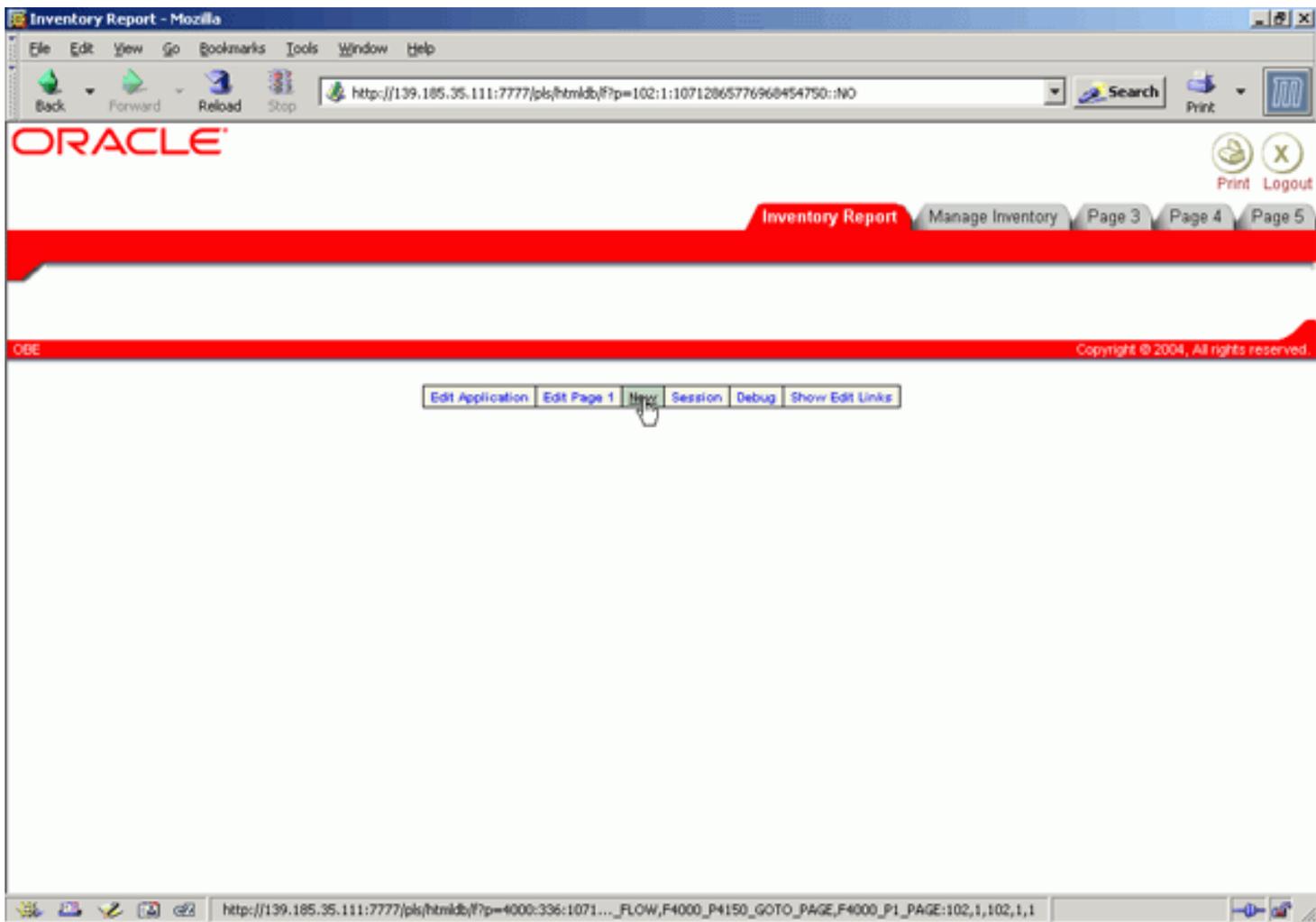


Adding a Report

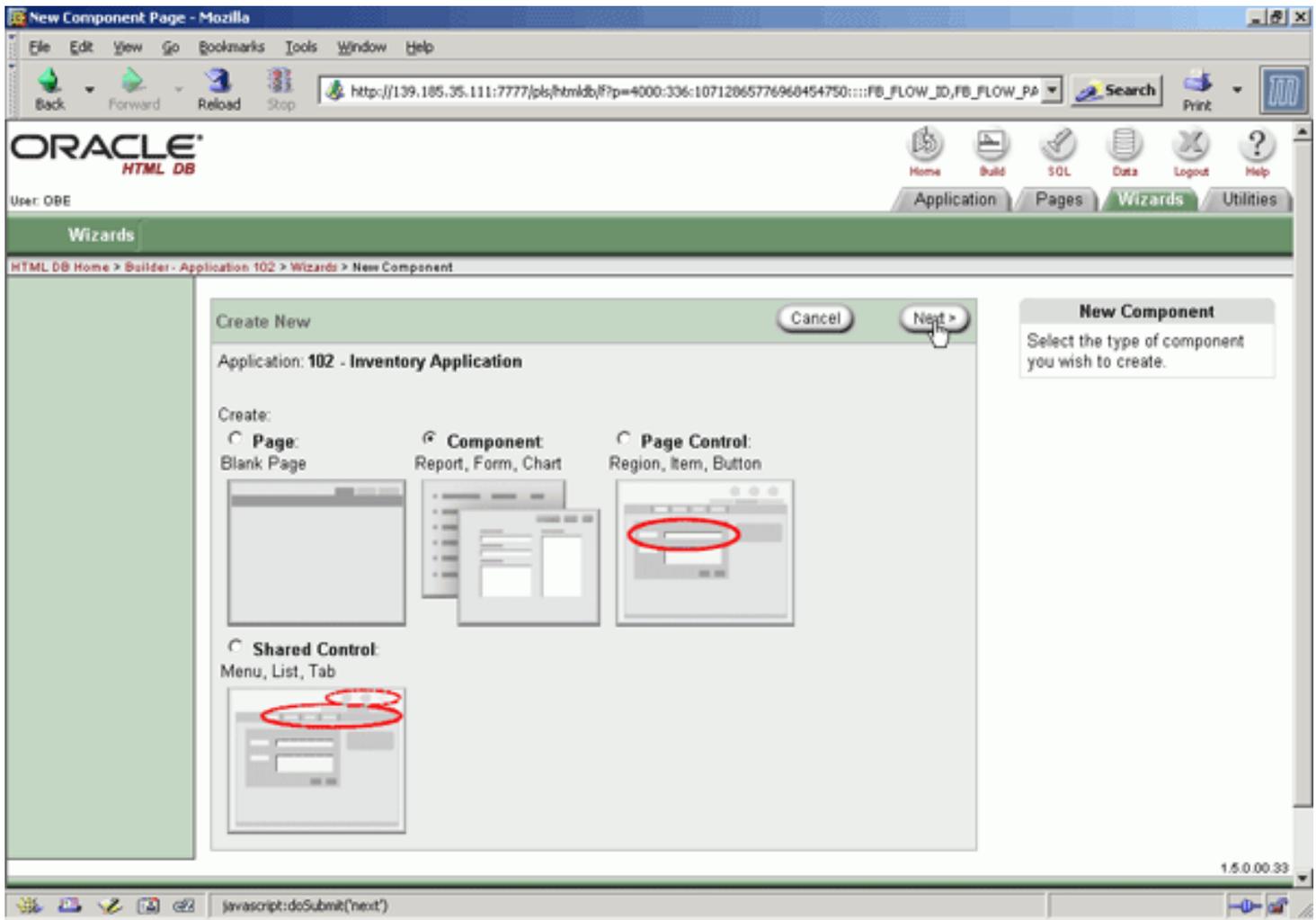
[Back to List](#)

You will create a new report on the Inventory Report tab. Perform the following:

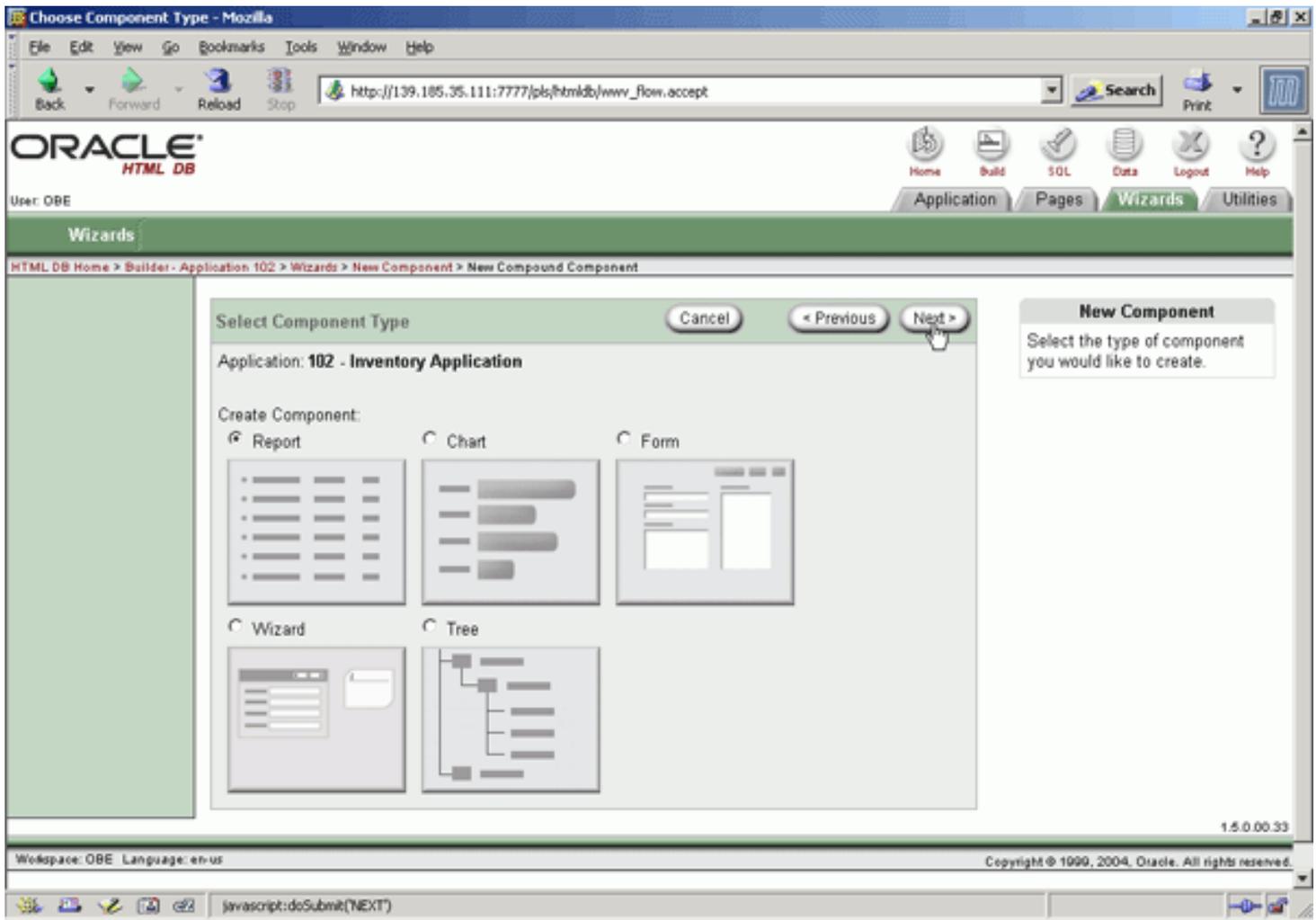
1. Click the **New** link to create a new component on this page.



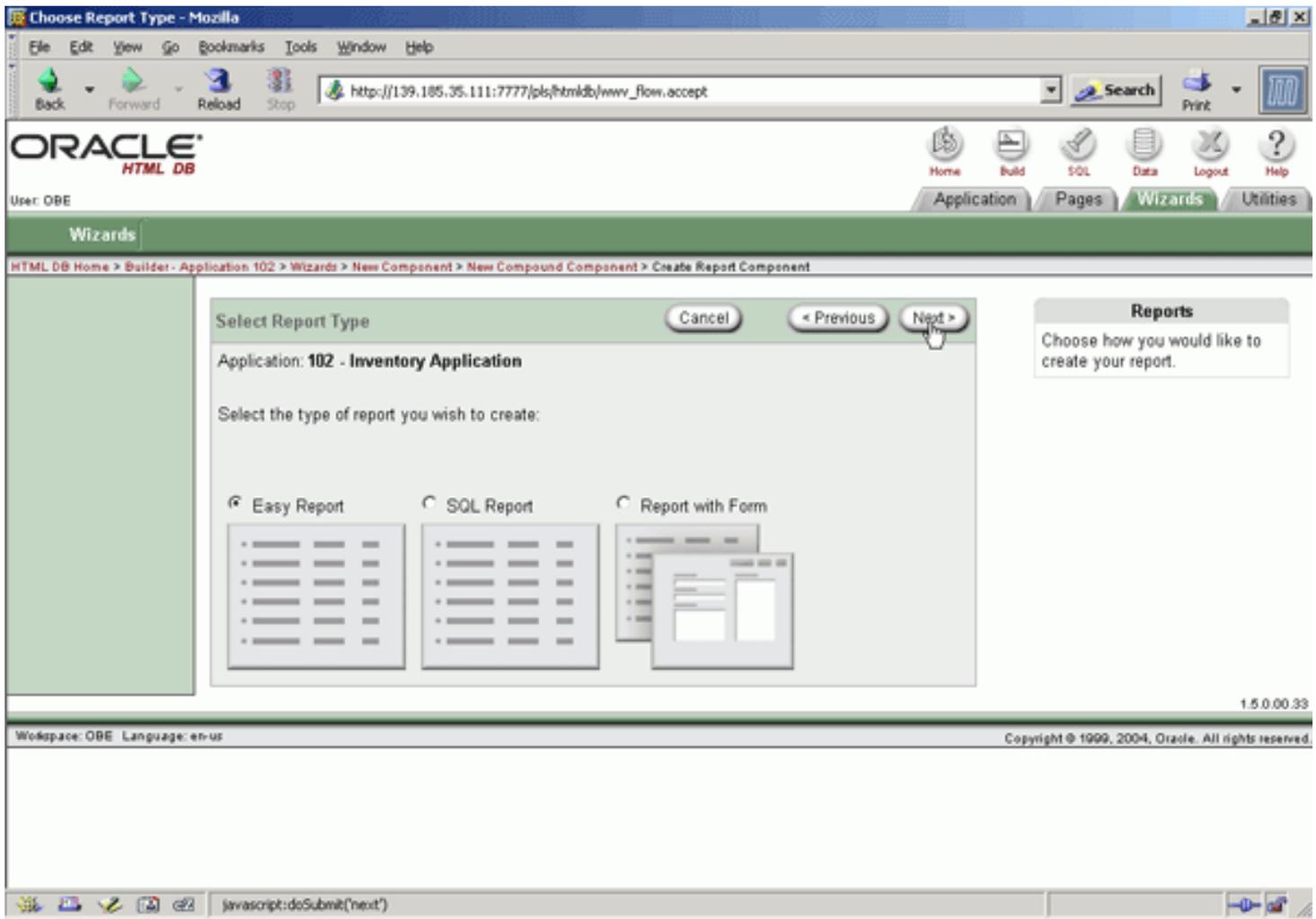
2. Make sure that the **Component** radio button is selected. Then click **Next**.



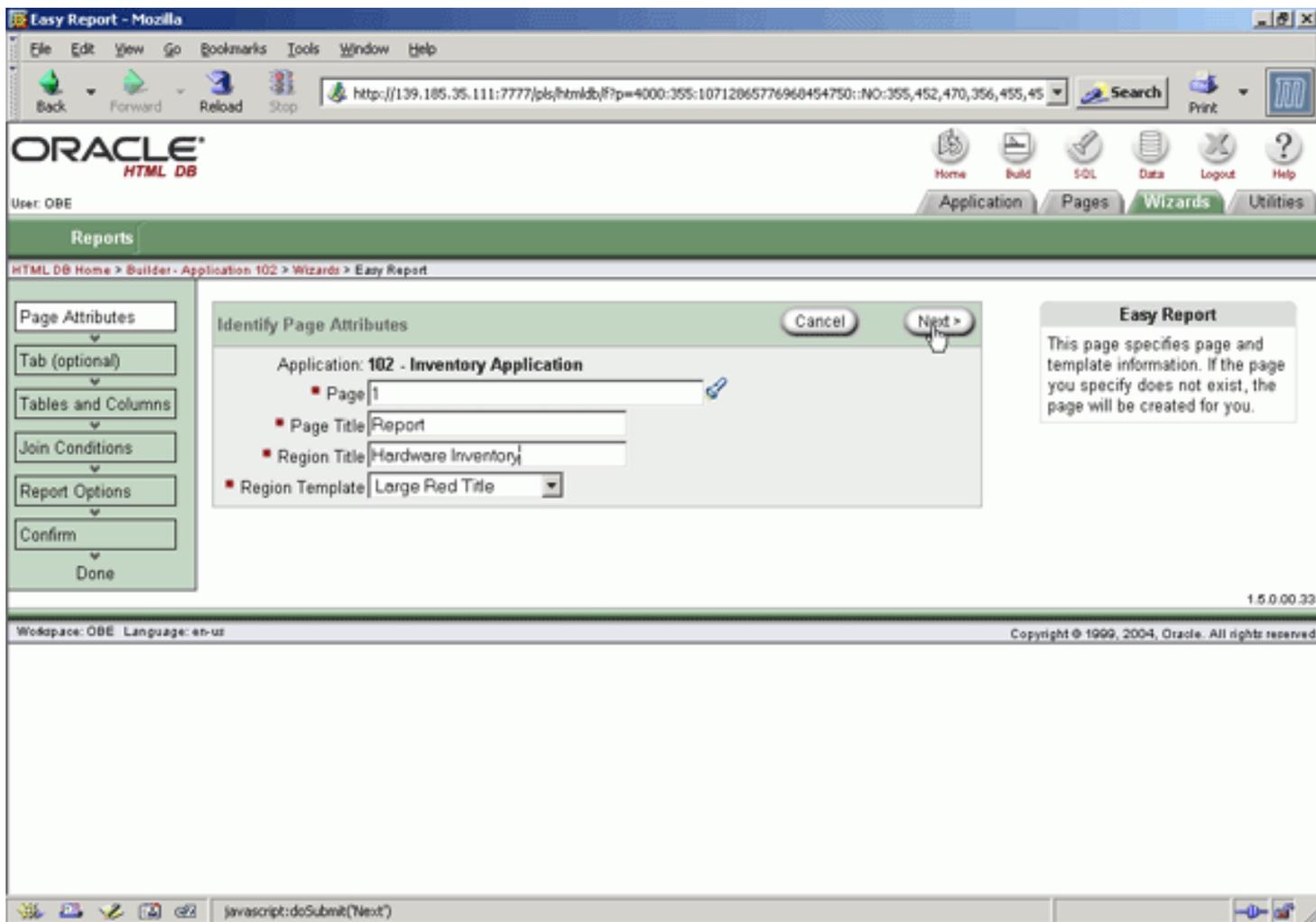
3. Make sure that the **Report** radio button is selected. Then click **Next** .



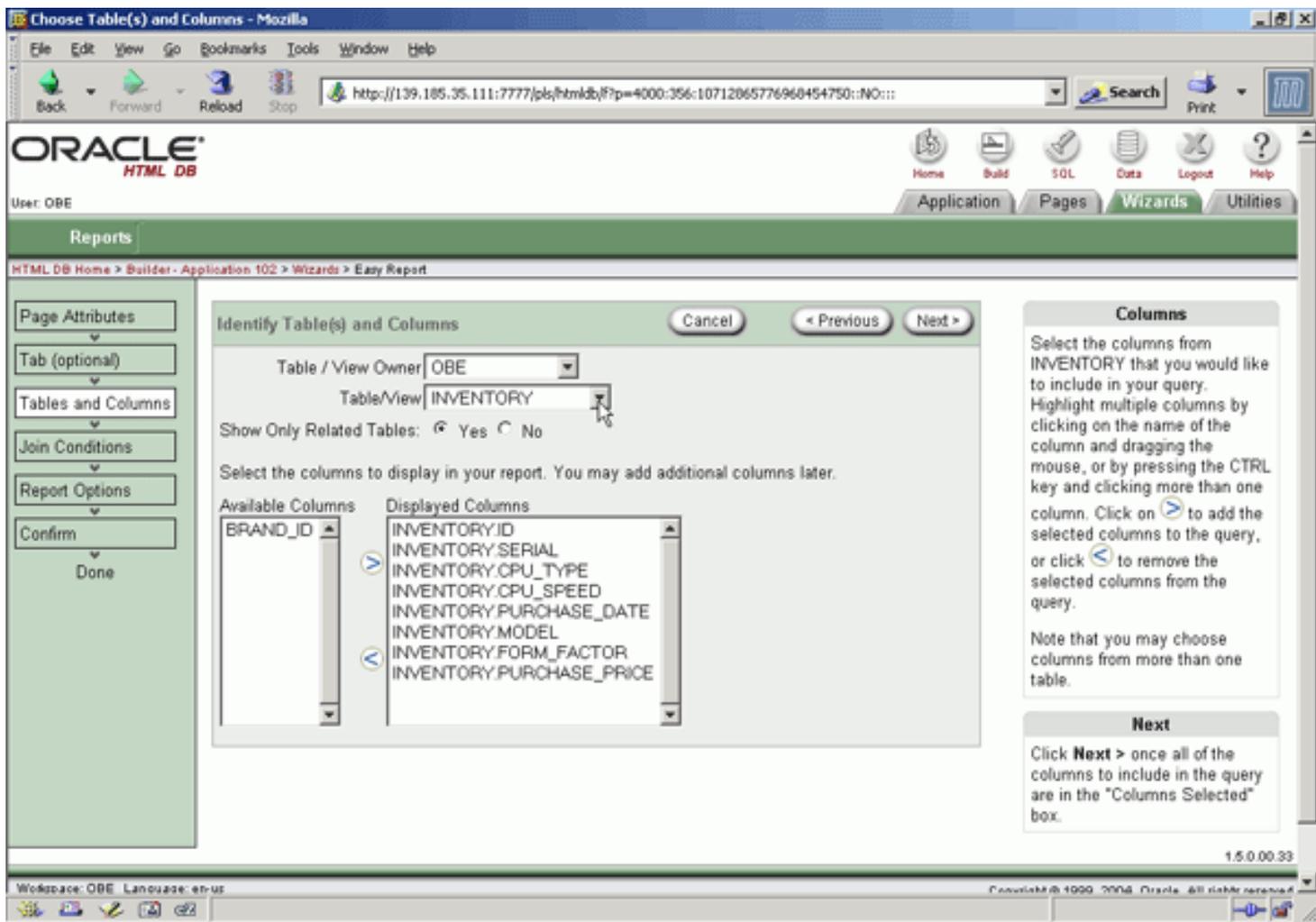
4. Make sure that the **Easy Report** radio button is selected. Then click **Next** .



5. Enter **Report** for Page Title and **Hardware Inventory** for Region Title. Then click **Next** .



6. Make sure **INVENTORY** is select for Table/View. Select **all the columns** in the Available Columns *except* for **BRAND_ID** then click **>**.



7. Select the table **INV_BRAND_LKUP** from the Table/View drop down list box. Select **Brand** from the list of the Available Columns and click > . Then click **Next**.

Choose Table(s) and Columns - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=4000:356:10712865776968454750::NO::

ORACLE
HTML DB

User: OBE

Application Pages **Wizards** Utilities

Reports

HTML DB Home > Builder > Application 102 > Wizards > Easy Report

Page Attributes
Tab (optional)
Tables and Columns
Join Conditions
Report Options
Confirm
Done

Identify Table(s) and Columns

Table / View Owner: OBE
Table/View: INV_BRAND_LKUP

Show Only Related Tables: Yes No

Select the columns to display in your report. You may add additional columns later.

Available Columns	Displayed Columns
ID	INVENTORY.ID INVENTORY.SERIAL INVENTORY.CPU_TYPE INVENTORY.CPU_SPEED INVENTORY.PURCHASE_DATE INVENTORY.MODEL INVENTORY.FORM_FACTOR INVENTORY.PURCHASE_PRICE INV_BRAND_LKUP.BRAND

Columns

Select the columns from INV_BRAND_LKUP that you would like to include in your query. Highlight multiple columns by clicking on the name of the column and dragging the mouse, or by pressing the CTRL key and clicking more than one column. Click on > to add the selected columns to the query, or click < to remove the selected columns from the query.

Note that you may choose columns from more than one table.

Next

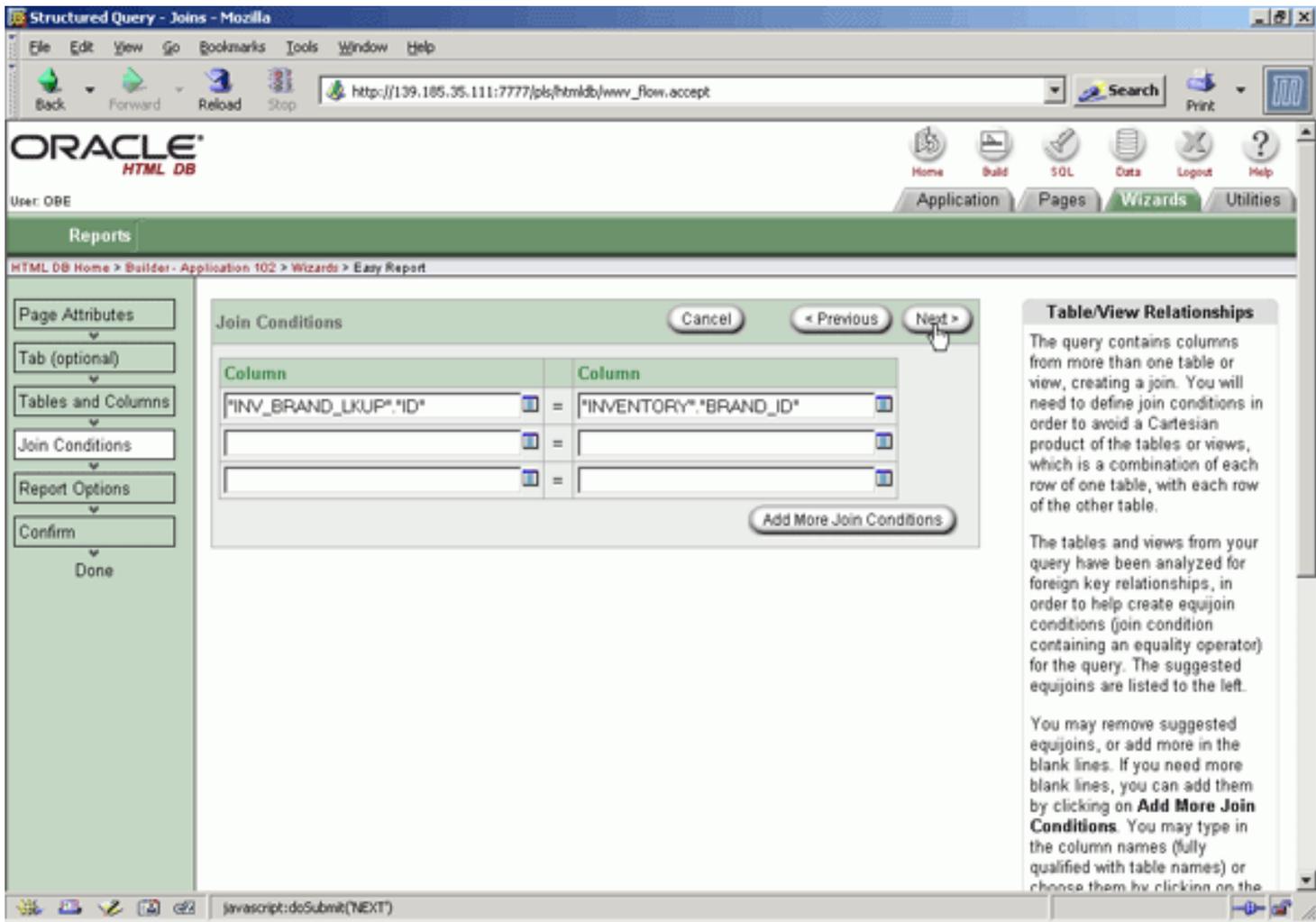
Click **Next >** once all of the columns to include in the query are in the "Columns Selected" box.

1.5.0.00.33

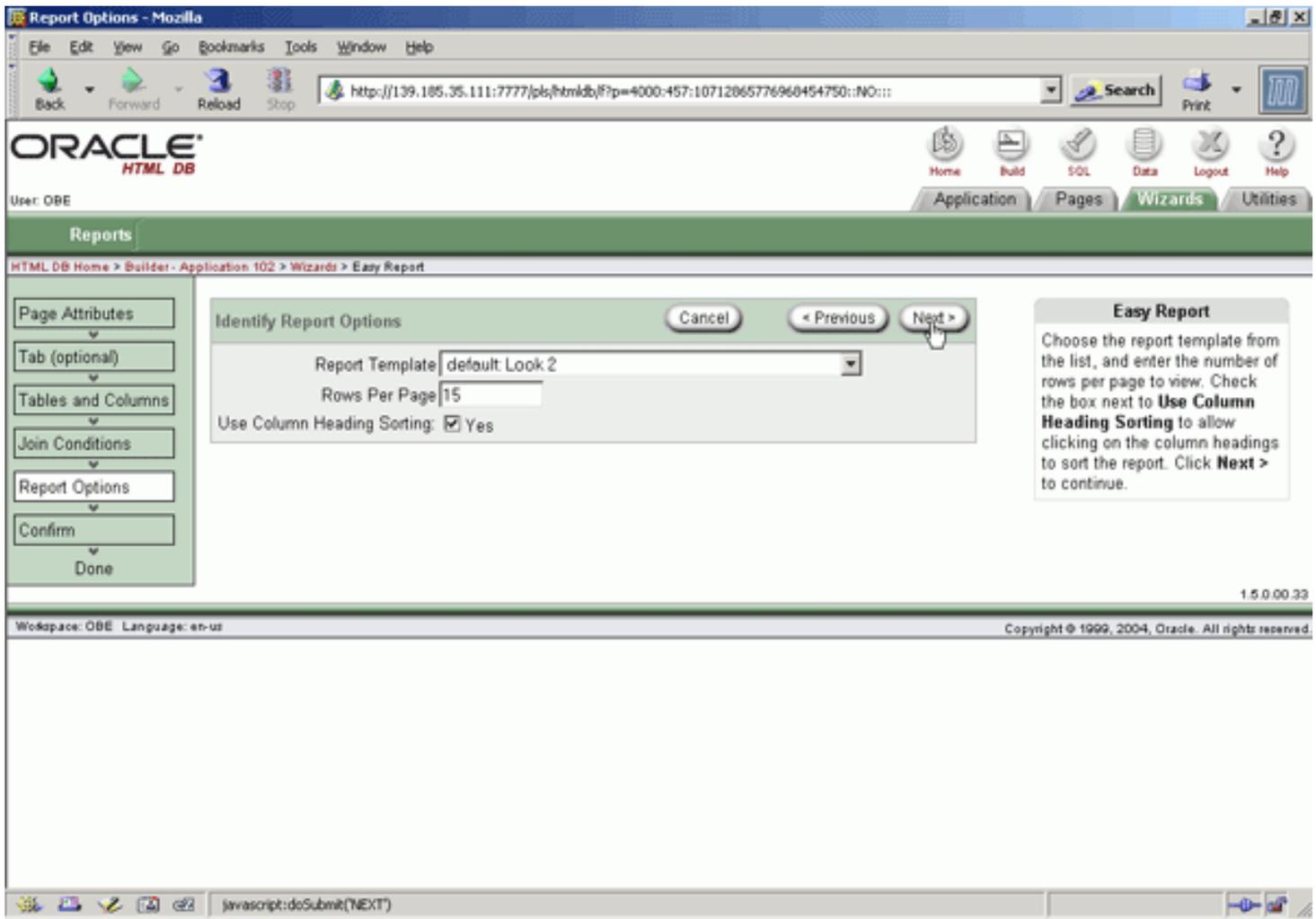
Workspace: OBE Language: en-us

javascript:doSubmit(NEXT)

8. Click **Next** to accept the default Join condition.

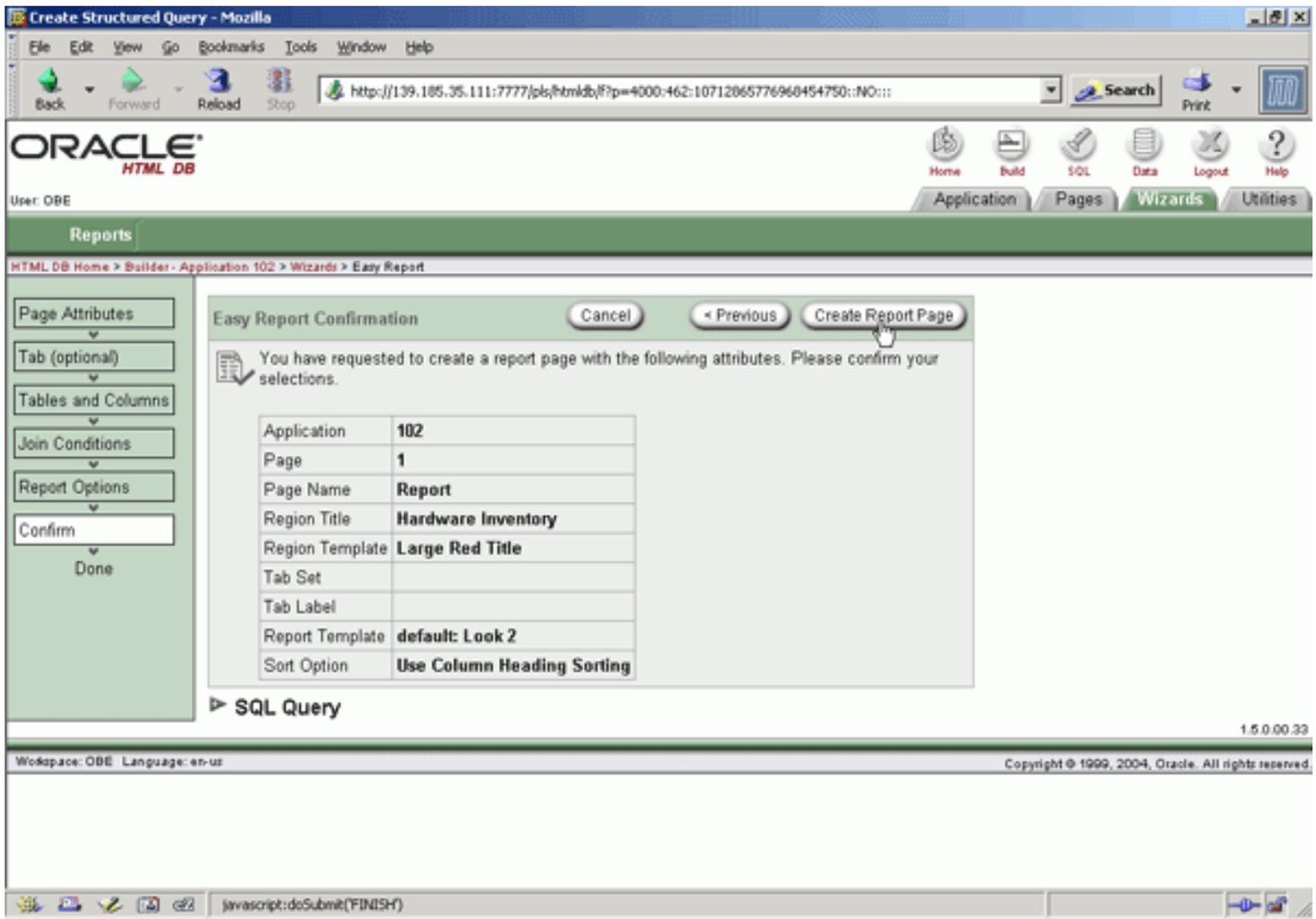


9. Click the **Use Column Heading Sorting** checkbox. Click **Next** .



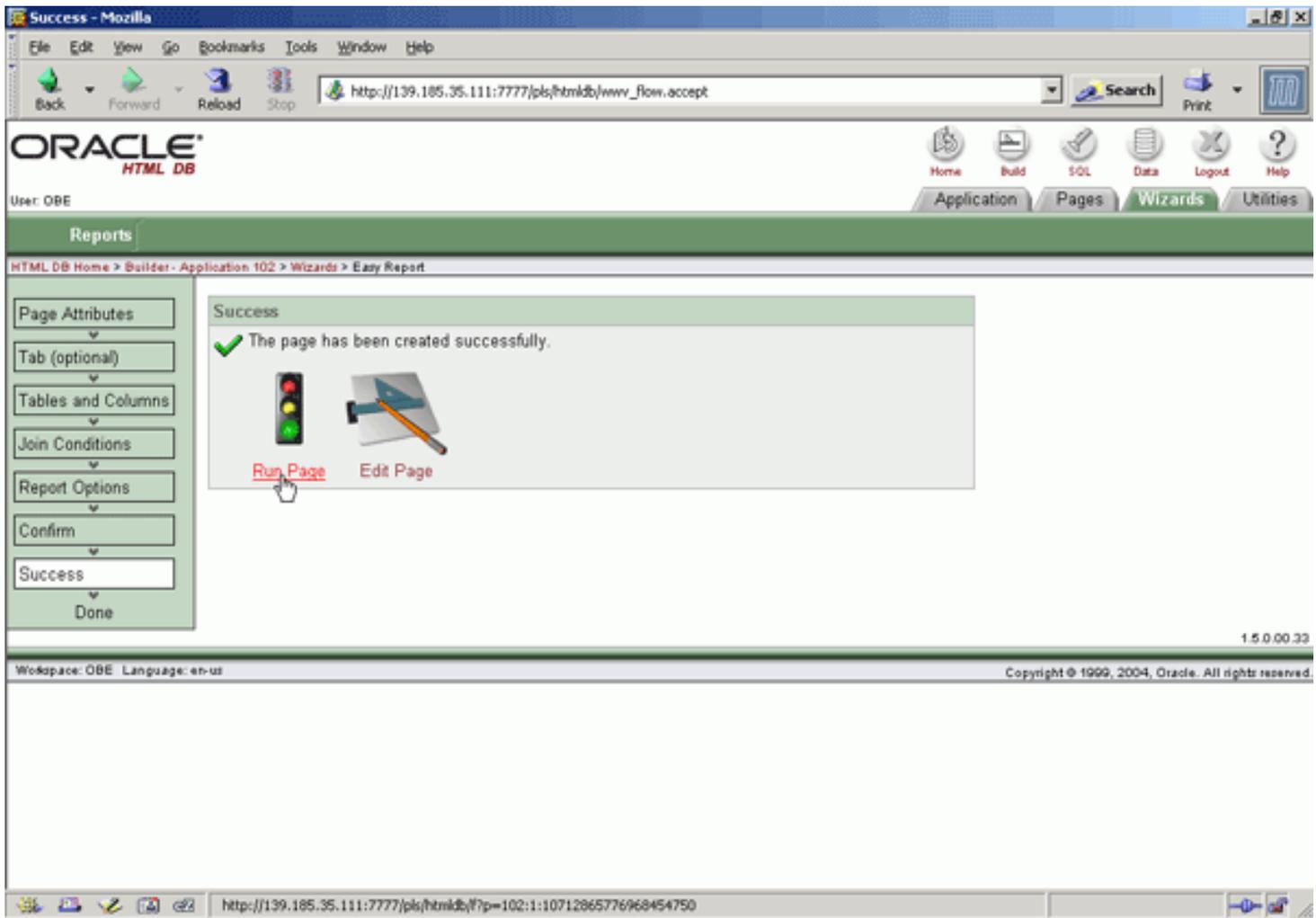
Review the reporting attributes and click **Create Report Page** .

10.



Click Run Page .

11.



12. The report you just created appears. All the data is retrieved from the Inventory table you created previously. All the code was automatically generated by HTML DB! Click **Next** link at the bottom to show the next 15 rows.

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
1	0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
2	1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
4	51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
7	2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
8	6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
9	59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
10	12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
11	LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
12	A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
15	6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 37 Next

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http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286...9016768pg_min_row=168pg_max_rows=158pg_rows_fetched=15

You can sort by a particular column. Click **Cpu Type** to sort.

13.

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870
17	BHDY087	Dell	Pentium III	800	27-OCT-01	Optiplex	D	5276
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
20	H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU654540IU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773
24	QT1030FH	Apple	PowerPC G4	667	10-JAN-02	Powerbook	L	3800
25	XA9042NUFLO	Apple	PowerPC G3	333	13-APR-01	Powerbook	L	2650
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
27	WE5483	Dell	PowerPC G4	200	09-OCT-00	Optiplex	D	2343
28	YUED6888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3256
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401

Previous row(s) 16 - 30 of 37 Next

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Adding a Form

[Back to List](#)

You will want the user to be able to change the data in the table so the application needs to contain a form. Perform the following:

1. Click the **Manage Inventory** tab. This is the page where you will add the form.

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
17	BHDY087	Dell	Pentium III	600	27-OCT-01	Optiplex	D	5276
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU65454OIU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
26	FL4O321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
28	YUED8888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3296
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
31	9ODSLFR7	Dell	Pentium III	366	15-JUN-02	GX240	D	6588
35	8UJJDLSKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H098OIUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870
25	XA9042NUFLO	Apple	PowerPC G3	333	13-APR-01	Powerbook	L	2650

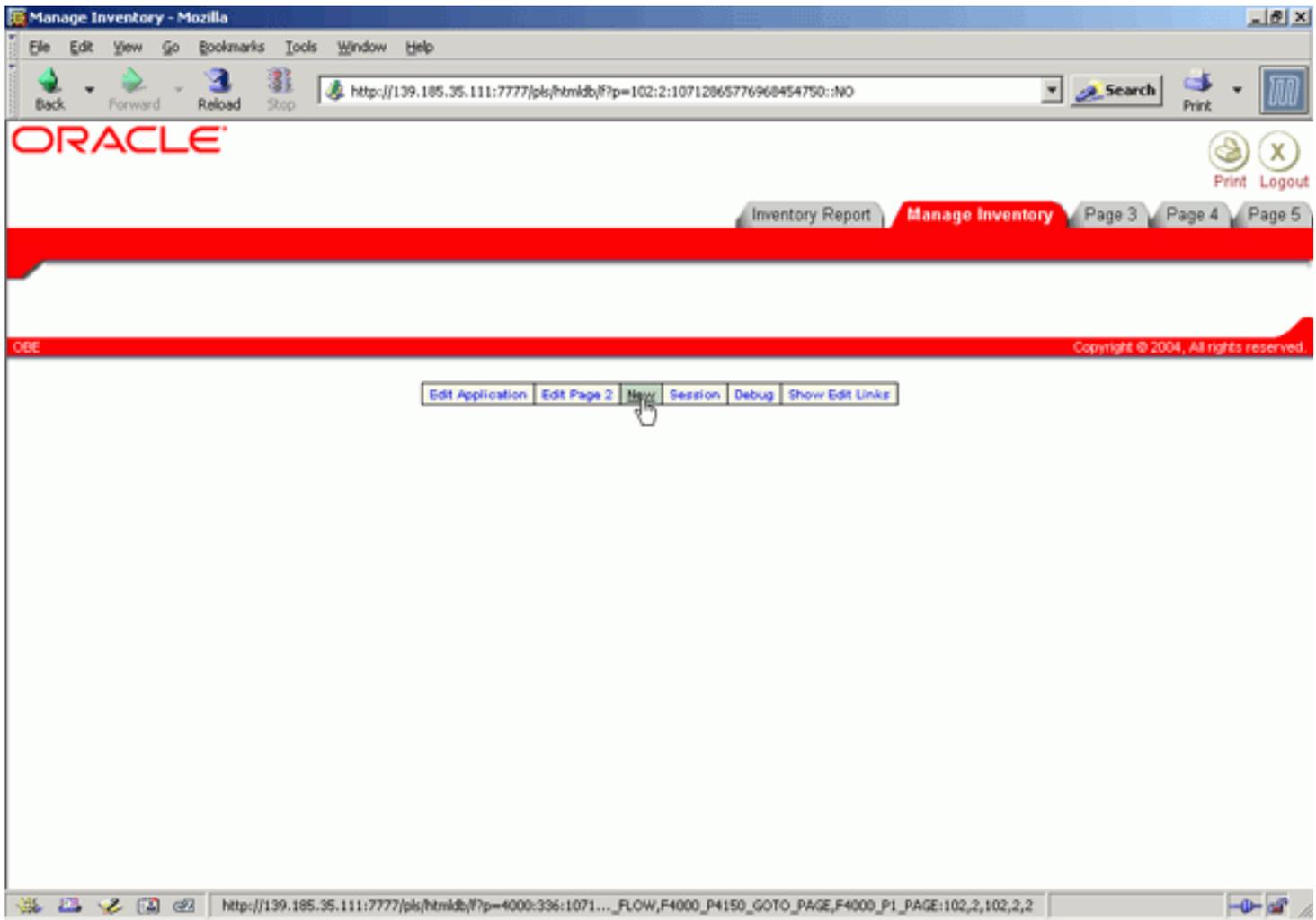
Previous row(s) 16 - 30 of 37 Next

OBE Copyright © 2004, All rights reserved.

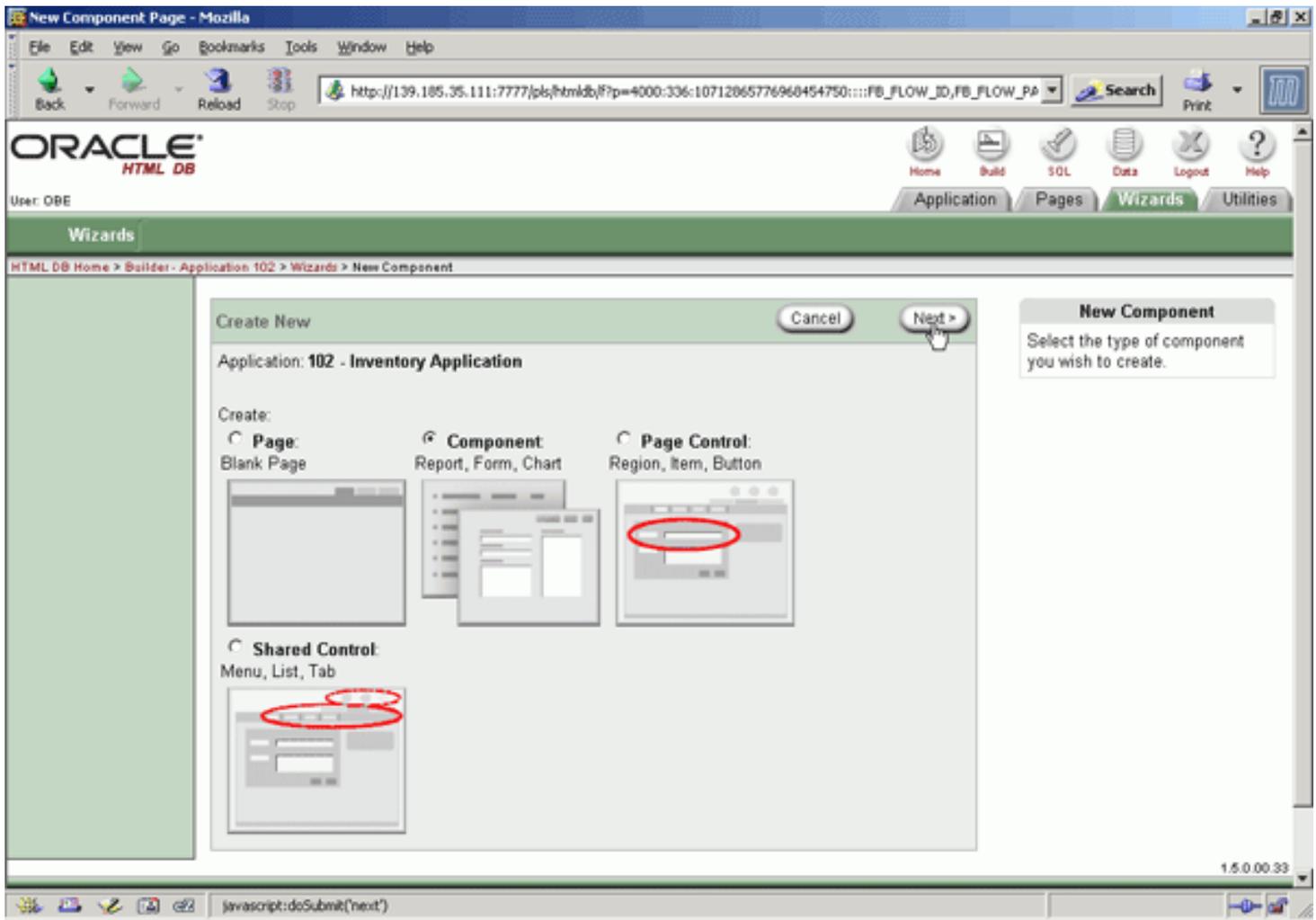
Edit Application Edit Page 1 Navr Session Debug Show Edit Links

javascript:doSubmit("T_MANAGE_INVENTORY");

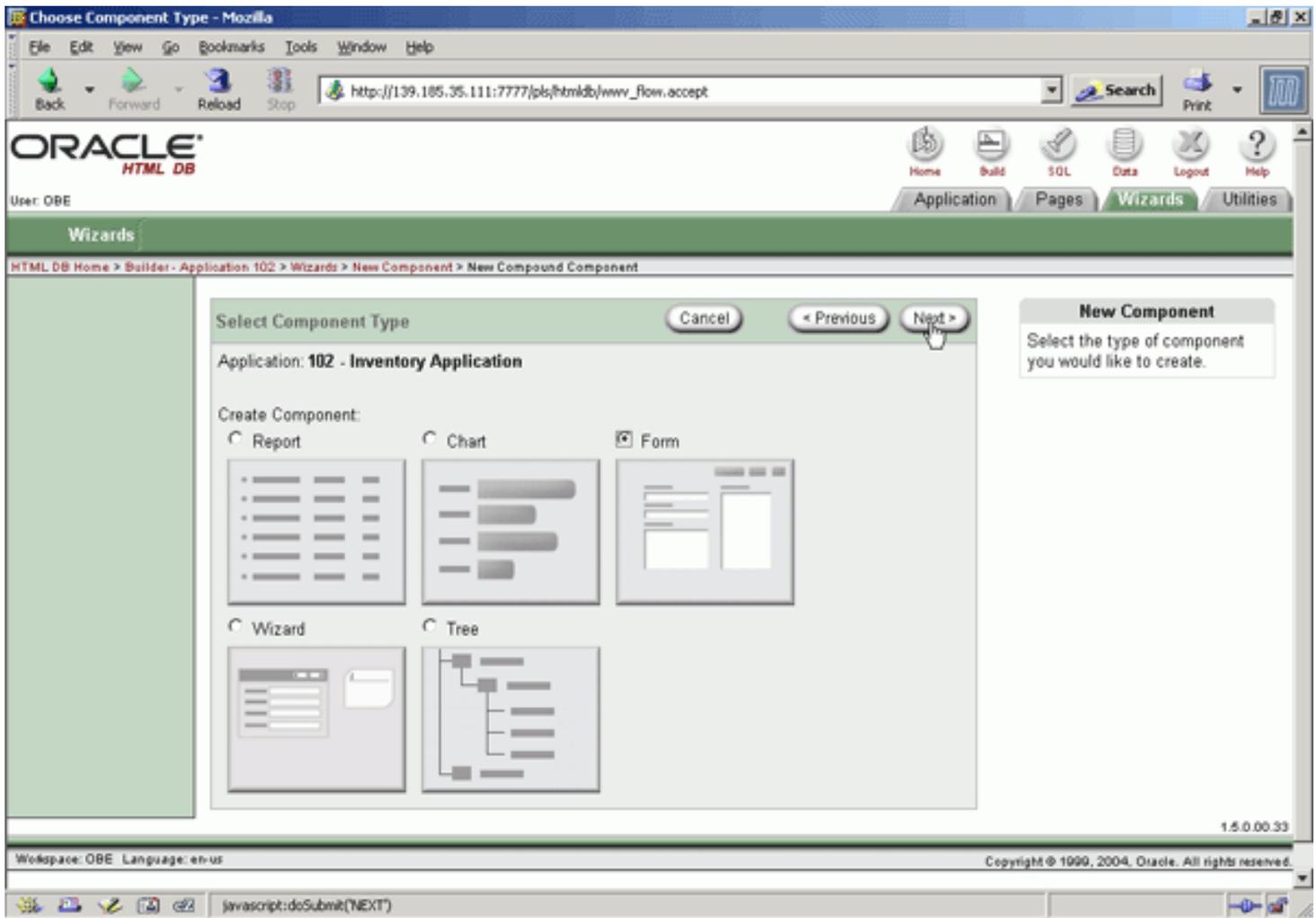
2. Click the **New** link to create a new component on this page.



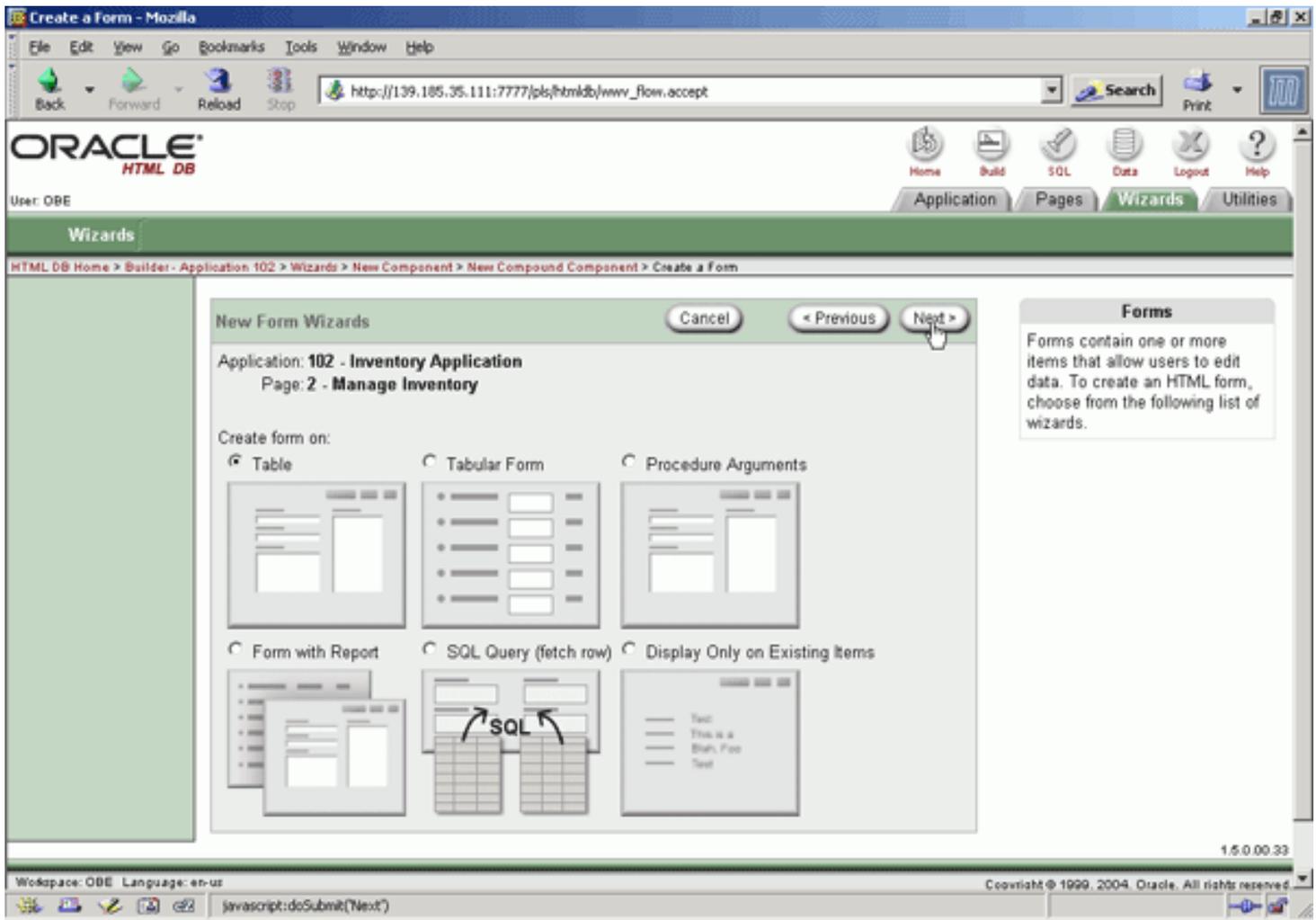
3. Make sure that the **Component** radio button is selected. Then click **Next** .



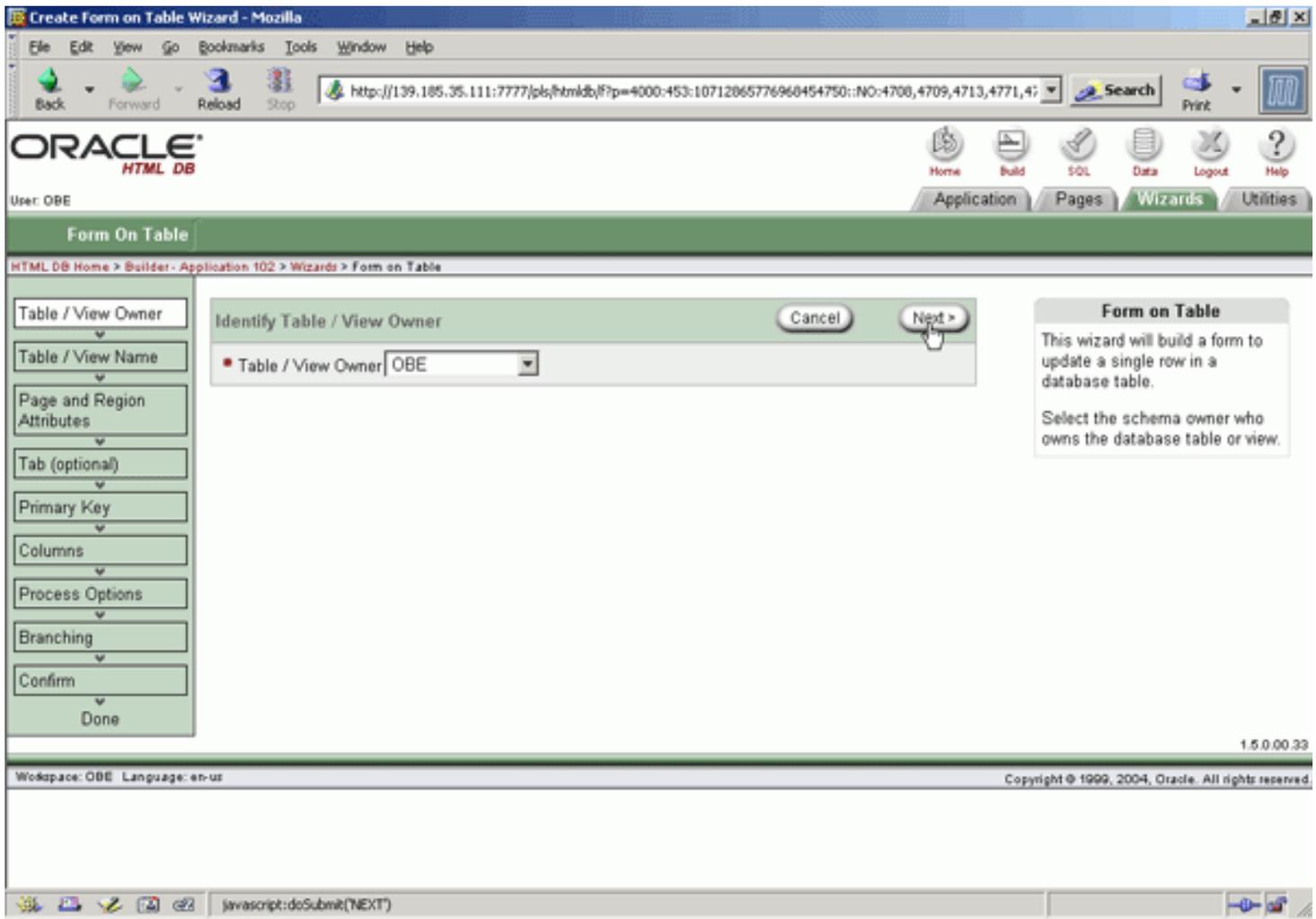
4. Click the **Form** radio button is selected. Then click **Next** .



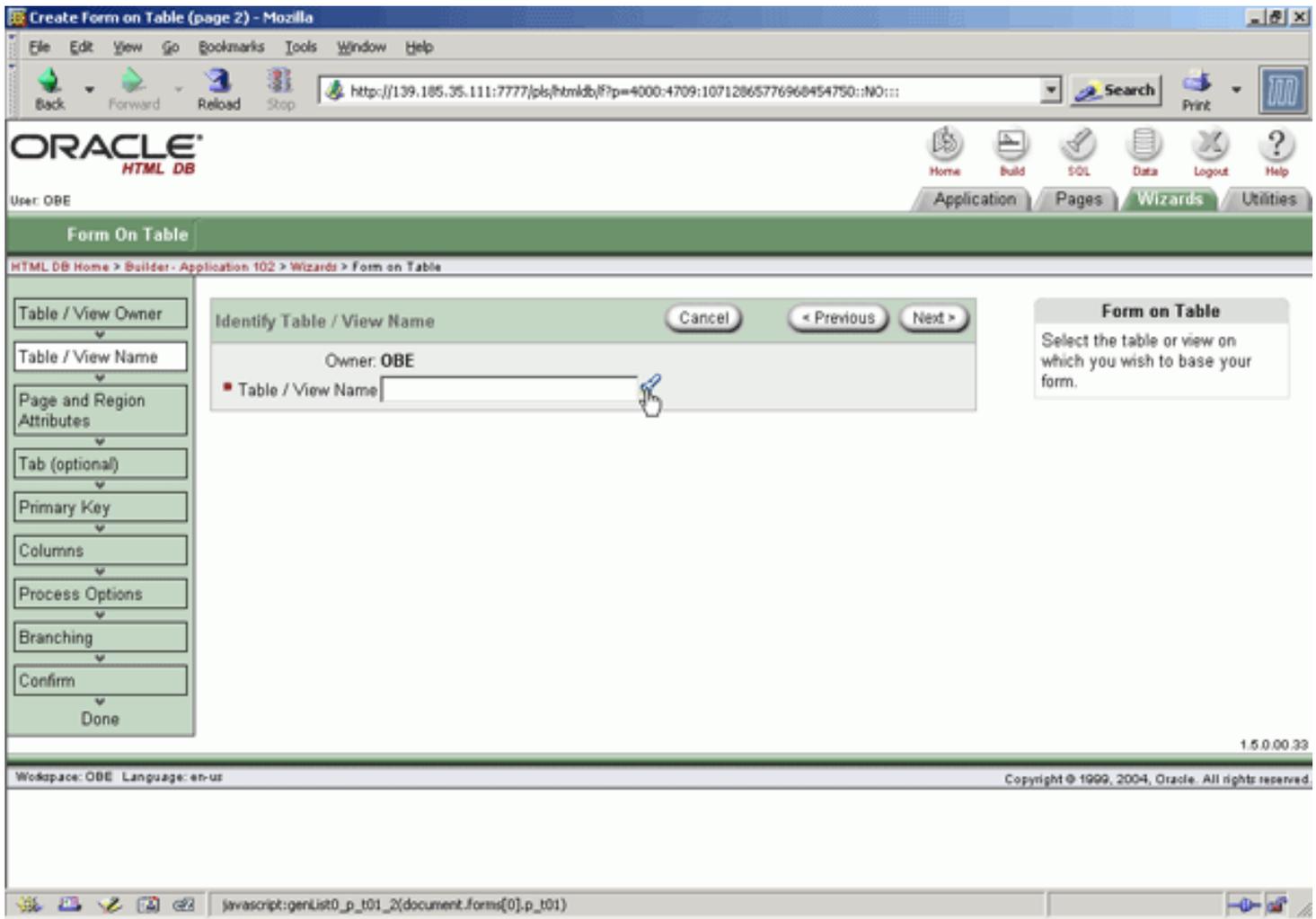
5. Make sure that the **Table** radio button is selected. Then click **Next** .



6. You should be listed as the Table / View Owner. Click **Next**.



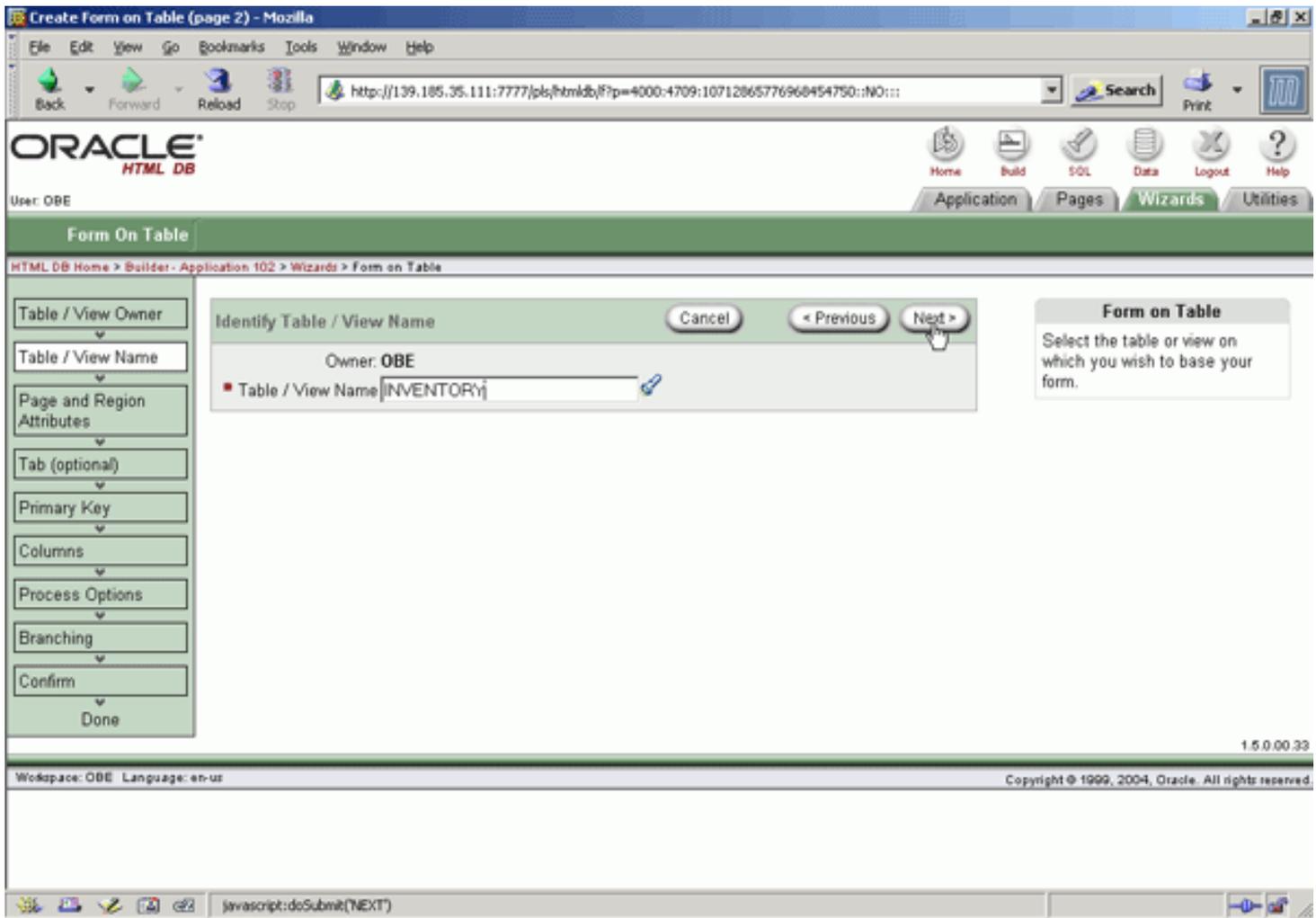
7. Select the **search light** icon to select the table that you want to base this form on.



8. Select the **INVENTORY** table from the list.

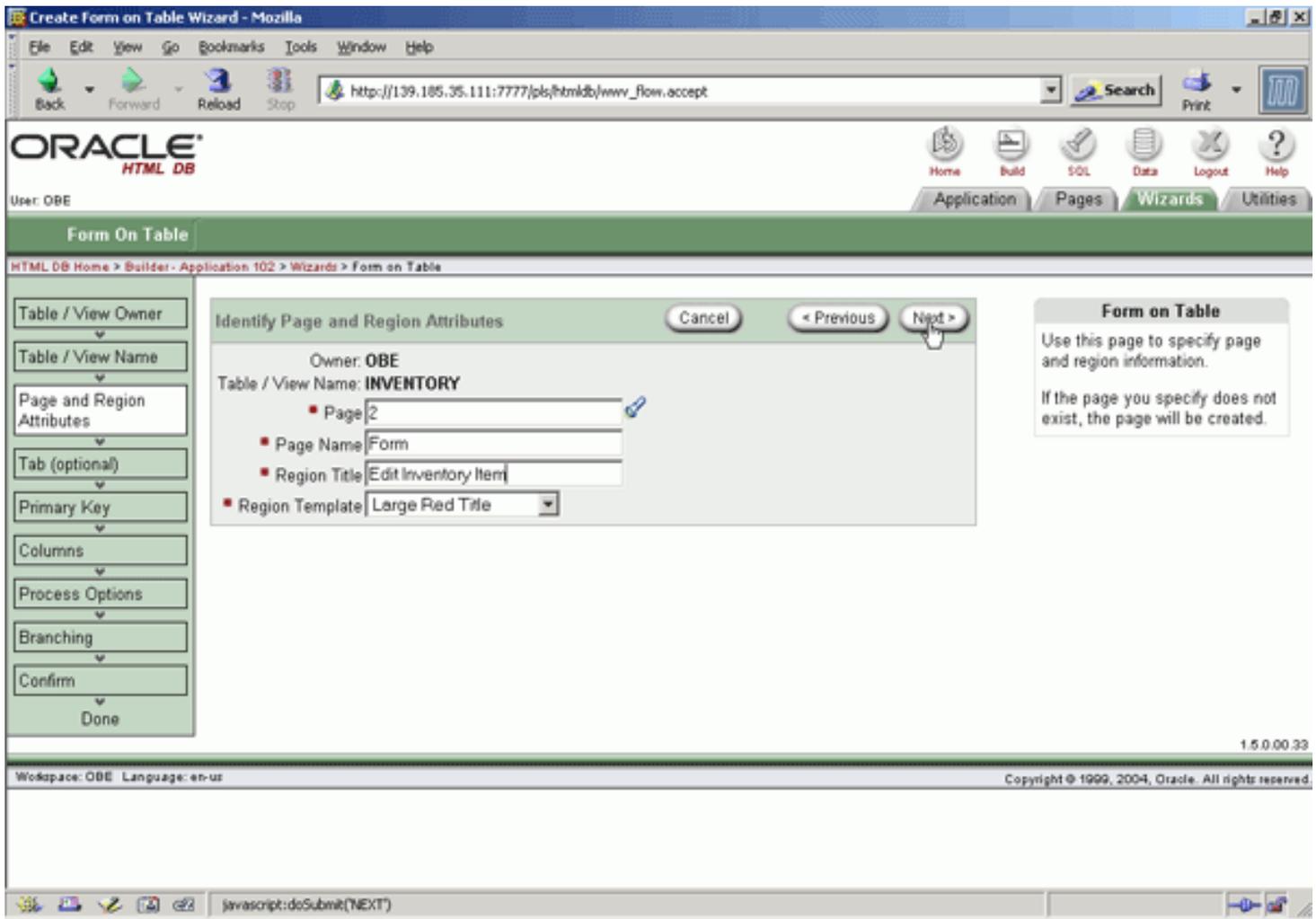


9. Click **Next** .



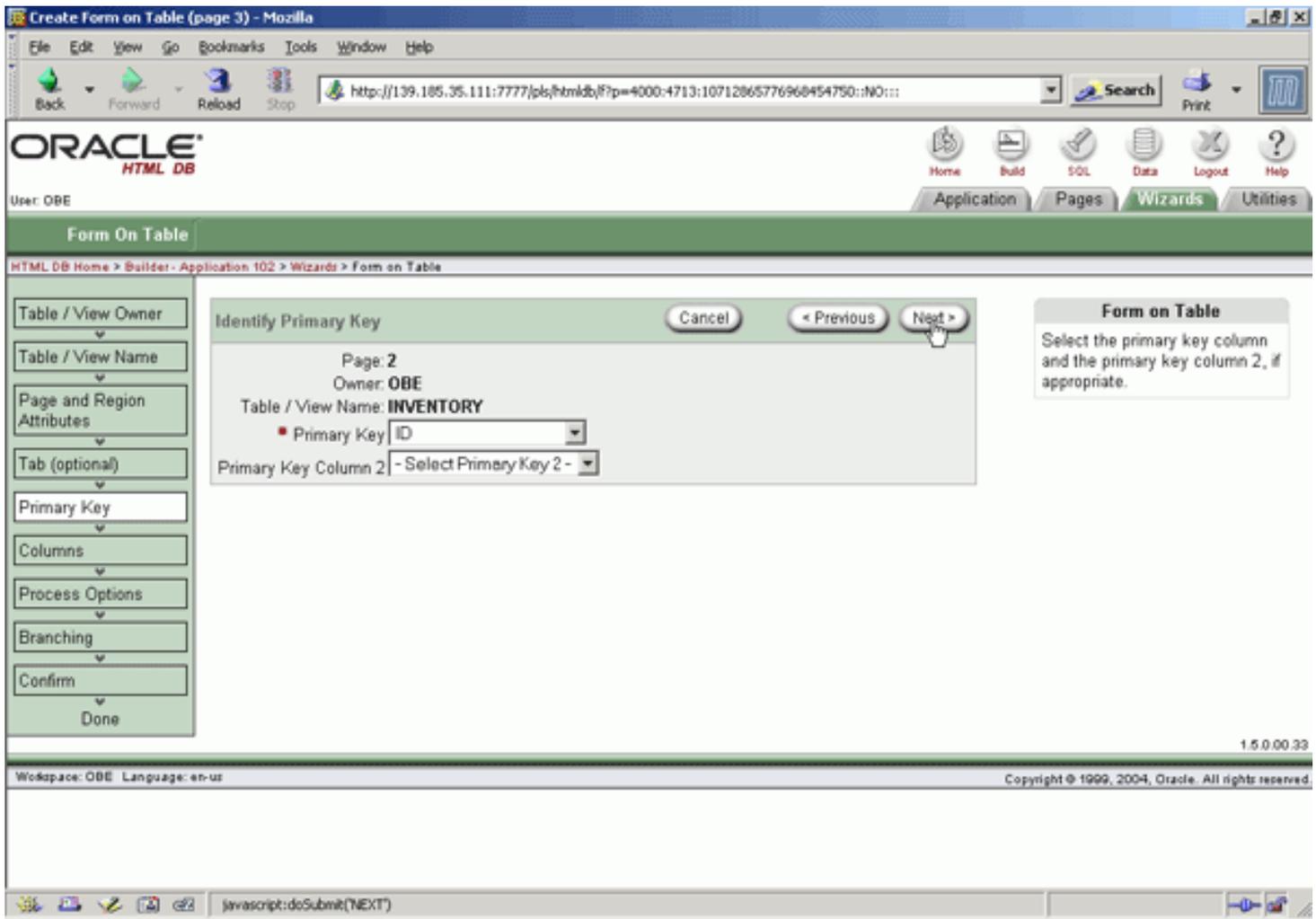
Enter **Form** for the Page Name and **Edit Inventory Item** for the Region Title and click **Next** .

10.



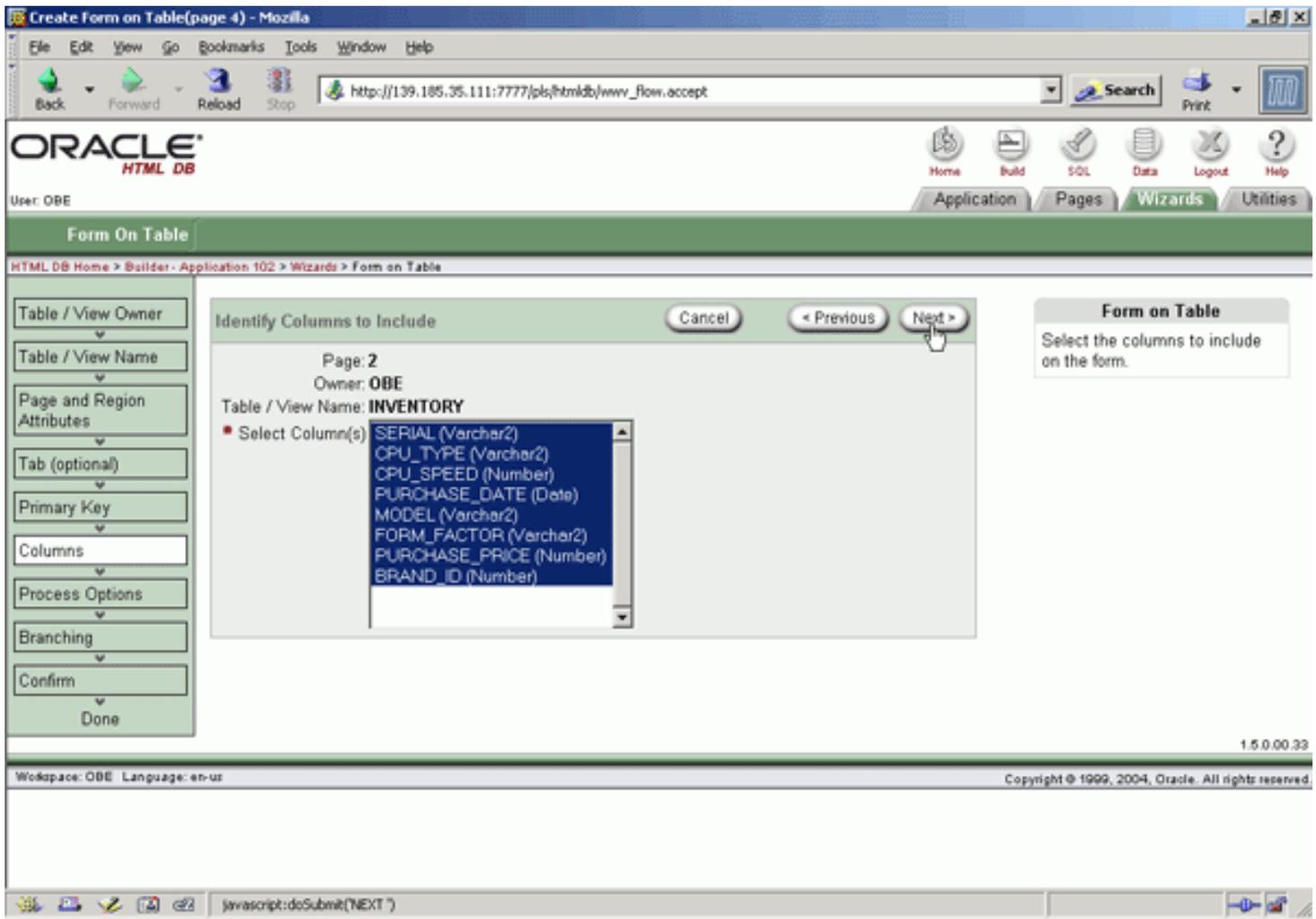
Accept the defaults and click **Next** .

11.



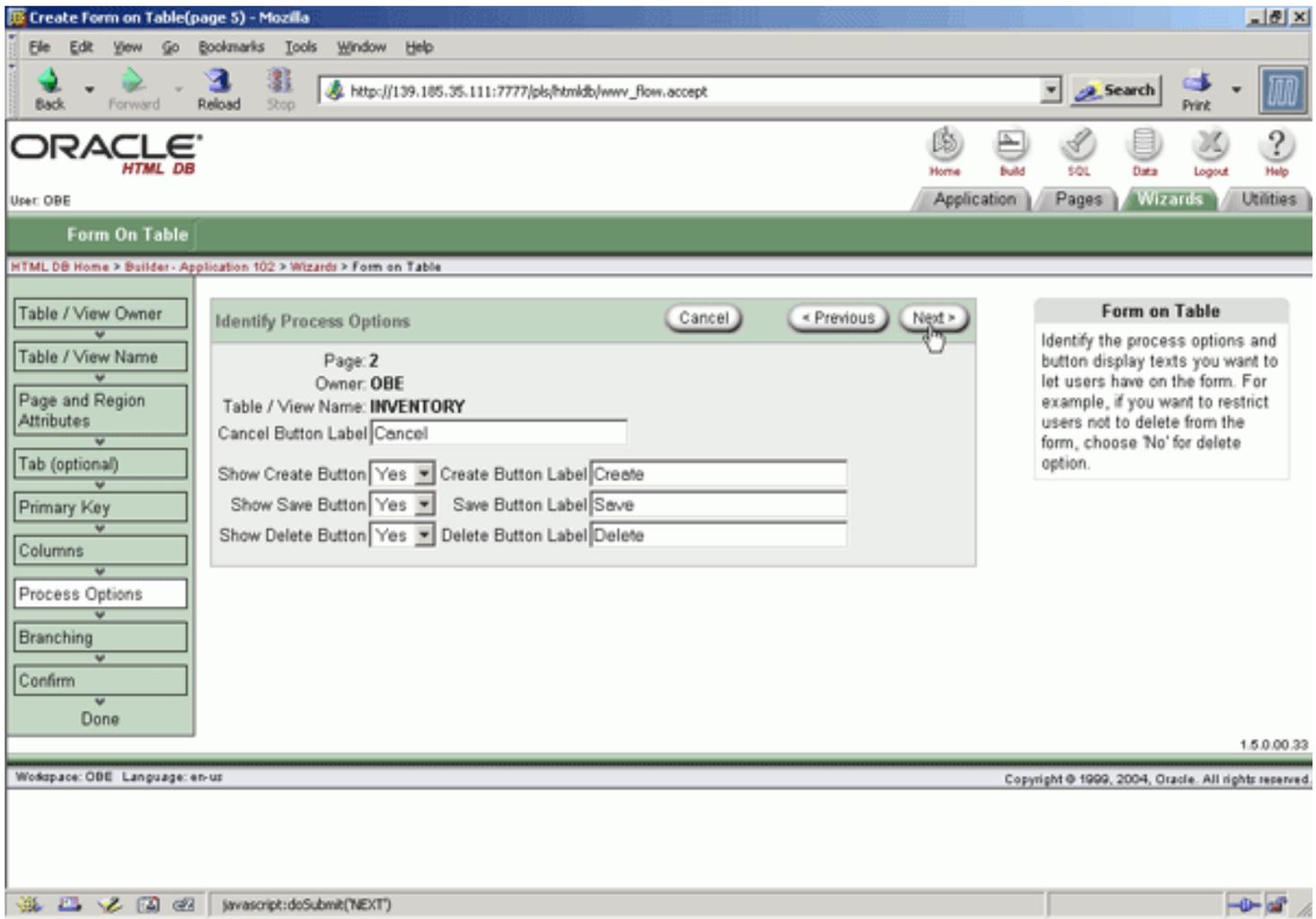
Click **Next** .

12.

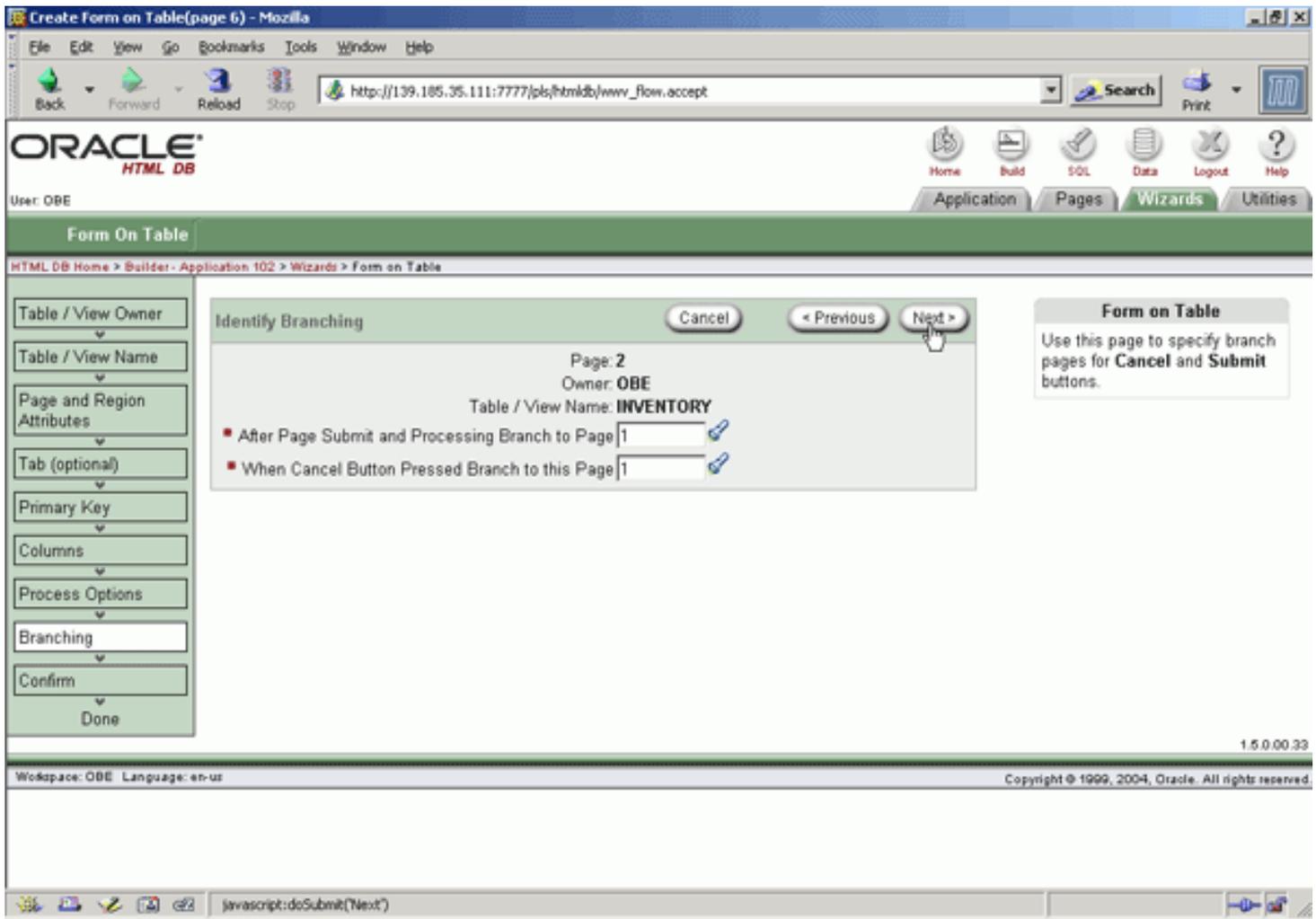


Change the Save Button Label to **Save** and click **Next** .

13.

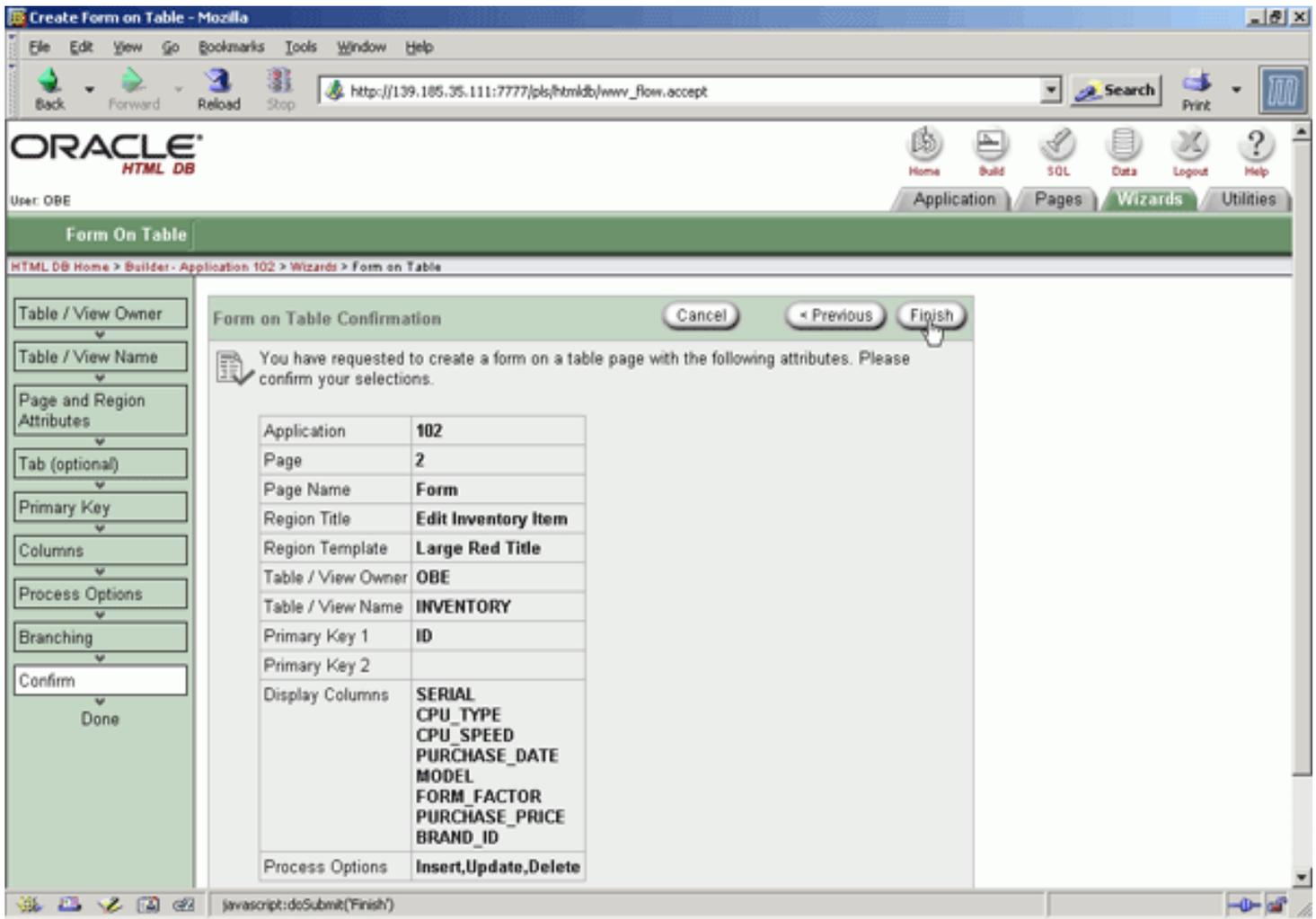


14. Enter **1** for both After Page Submit and Processing Branch to Page and When Cancel Button Pressed Branch to this Page and Click **Next** .



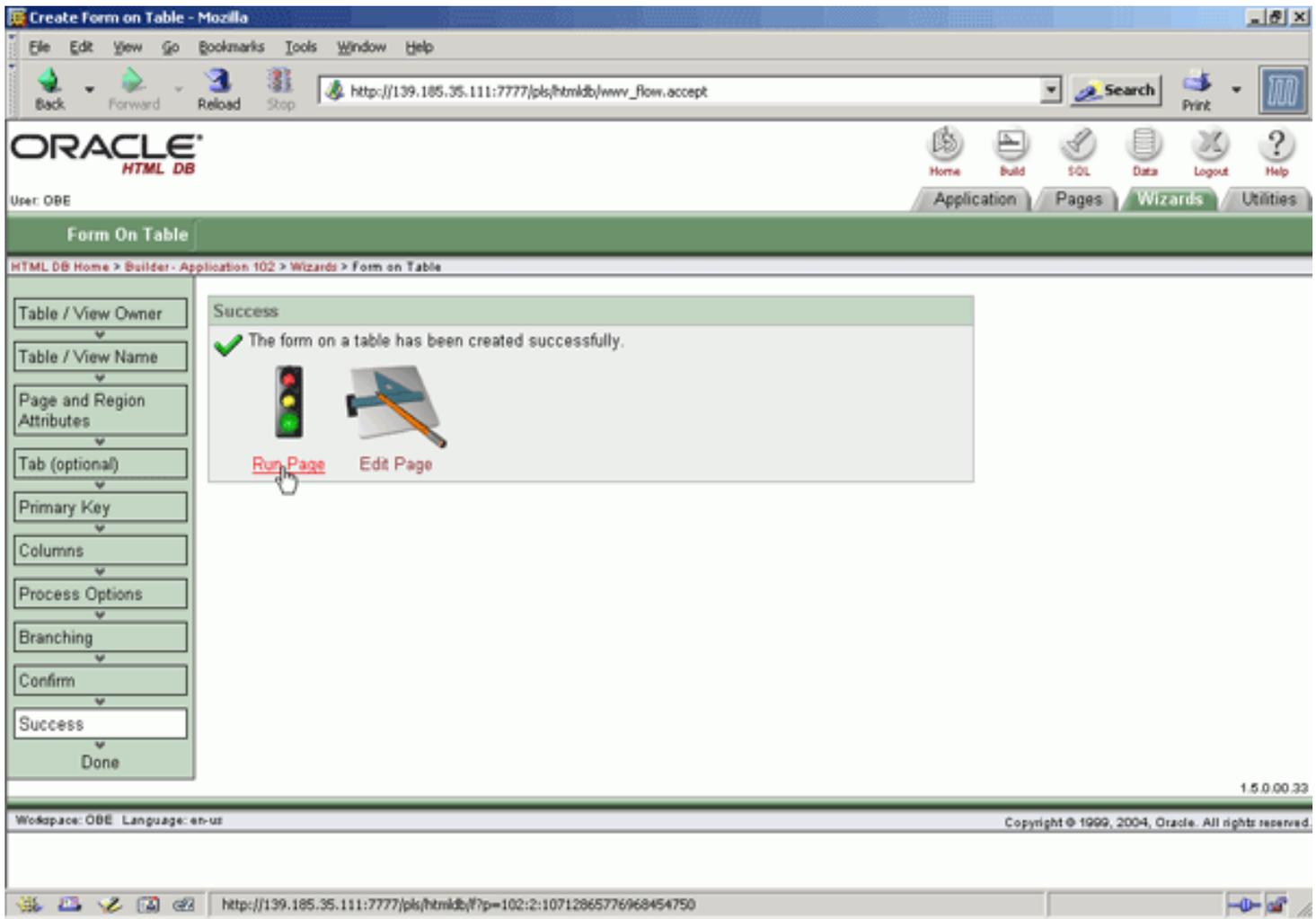
At the confirmation window, click **Finish** .

15.

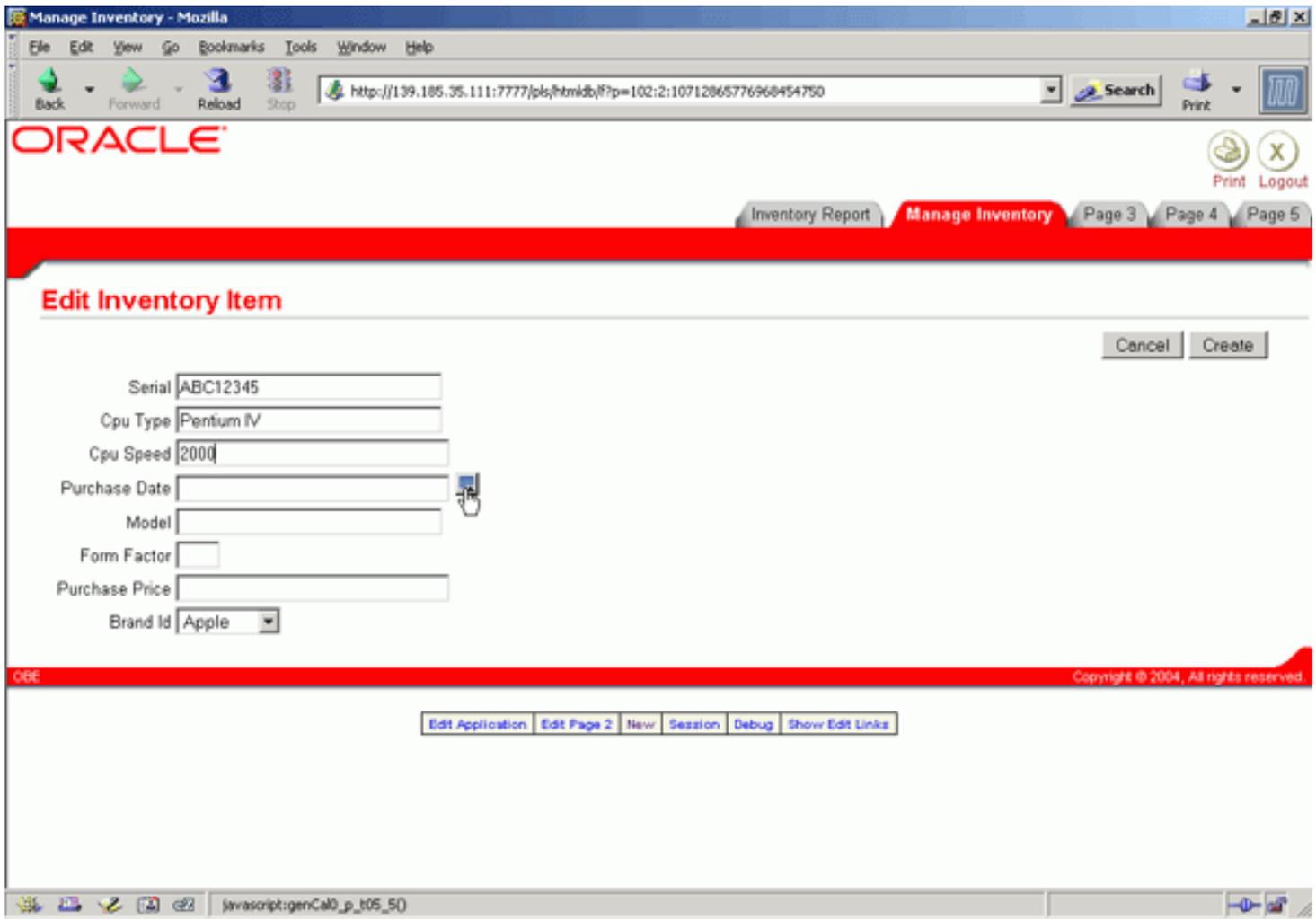


Click Run Page .

16.

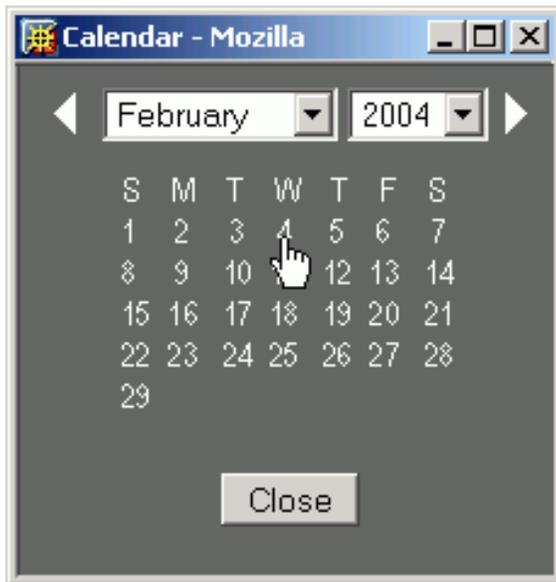


17. Enter **ABC12345** for Serial, **Pentium IV** for Cpu Type and **2000** for Cpu Speed, then click the calendar button to select a Purchase Date.



Select a Date.

18.



19. Enter **Tecra** for the Model, **L** for the Form Factor and **4300** for the Purchase Price. Select the Brand **Toshiba** from the Brand drop down list box and then click **Create** .

The screenshot shows a web browser window titled "Manage Inventory - Mozilla". The address bar contains the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=102:2:1071286577696@454750`. The page features the Oracle logo and navigation tabs for "Inventory Report", "Manage Inventory", "Page 3", "Page 4", and "Page 5". The main content area is titled "Edit Inventory Item" and contains a form with the following fields:

- Serial: ABC12345
- Cpu Type: Pentium IV
- Cpu Speed: 2000
- Purchase Date: 04-FEB-04
- Model: Tecra
- Form Factor: L
- Purchase Price: 4300
- Brand Id: Toshiba

Buttons for "Cancel" and "Create" are located in the top right corner of the form. At the bottom of the page, there is a footer with "Copyright © 2004, All rights reserved." and a set of utility links: "Edit Application", "Edit Page 2", "New", "Session", "Debug", and "Show Edit Links".

20. A row was inserted into the INVENTORY table and you were branched to the Inventory tab which is page one. You specified that you wanted this to happen after submit. Click on the **Previous** link to return to the first page of data.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286577696@454750:::bsuccess_msg=Action%20Pro Search Print

ORACLE

Print Logout

✓ Action Processed.

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
17	BHDYC87	Dell	Pentium III	600	27-OCT-01	Optiplex	D	5276
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
22	GFDU654540IU	Dell	Pentium III	450	24-OCT-01	Latitude CS	L	5120
26	FLAQ321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
28	YUED8888	Dell	Pentium III	667	01-JUN-99	Optiplex GX1	D	3256
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
31	9ODSLFR7	Dell	Pentium III	366	15-JUN-02	GX240	D	6588
35	8UJJDLSKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0960IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
14	UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
16	OK765KLJL543	Apple	PowerPC G3	450	08-SEP-00	Powerbook	L	2870

Previous row(s) 16 - 30 of 38 Next

OBE Copyright © 2004, All rights reserved.

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:1071286...29016766pg_min_row=18pg_max_rows=15pg_rows_fetched=15

Click on the header **Cpu Speed** to sort by this column in descending order.

21.

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
1	0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
10	12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
2	1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
7	2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
13	3J17JZL1345	Compaq	Pentium III	650	17-AUG-01	Armada 700	L	5119
4	51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
34	54FFFVDWS	Dell	PowerPC G3	800	24-OCT-96	Optiplex GXMT 5166	D	2378
30	54HFLDSEG77	Toshiba	Pentium III	466	14-JUN-03	Tecra 8200	L	5401
9	59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
15	6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321
8	6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
32	88LDKSUE	Compaq	PowerPC G4	450	08-APR-01	Deskpro EN	D	5330
35	8UJDSLKN	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
19	9875H879	Toshiba	Pentium III	650	05-OCT-01	Tecra 8200	L	5446

row(s) 1 - 15 of 38 Next

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Edit Application Edit Page 1 Newr Session Debug Show Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750::fsp_sort_58fsp_region_id=576431602901676

You see that your row was inserted. Click **Edit page 1** at the bottom of your window.

22.

Inventory Report | Manage Inventory | Page 3 | Page 4 | Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
26	FL40321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
5	HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
36	JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
37	OKMND876	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
3	0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
29	LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
35	8UJJD5LKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 | Next

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Creating and Applying a New Page Template

[Back to List](#)

You would like to change the look and feel of the application. In order to do this, you need to create a new page template and then apply the template as the default for your application. Perform the following:

1. In the left navigator, expand **Navigate** .

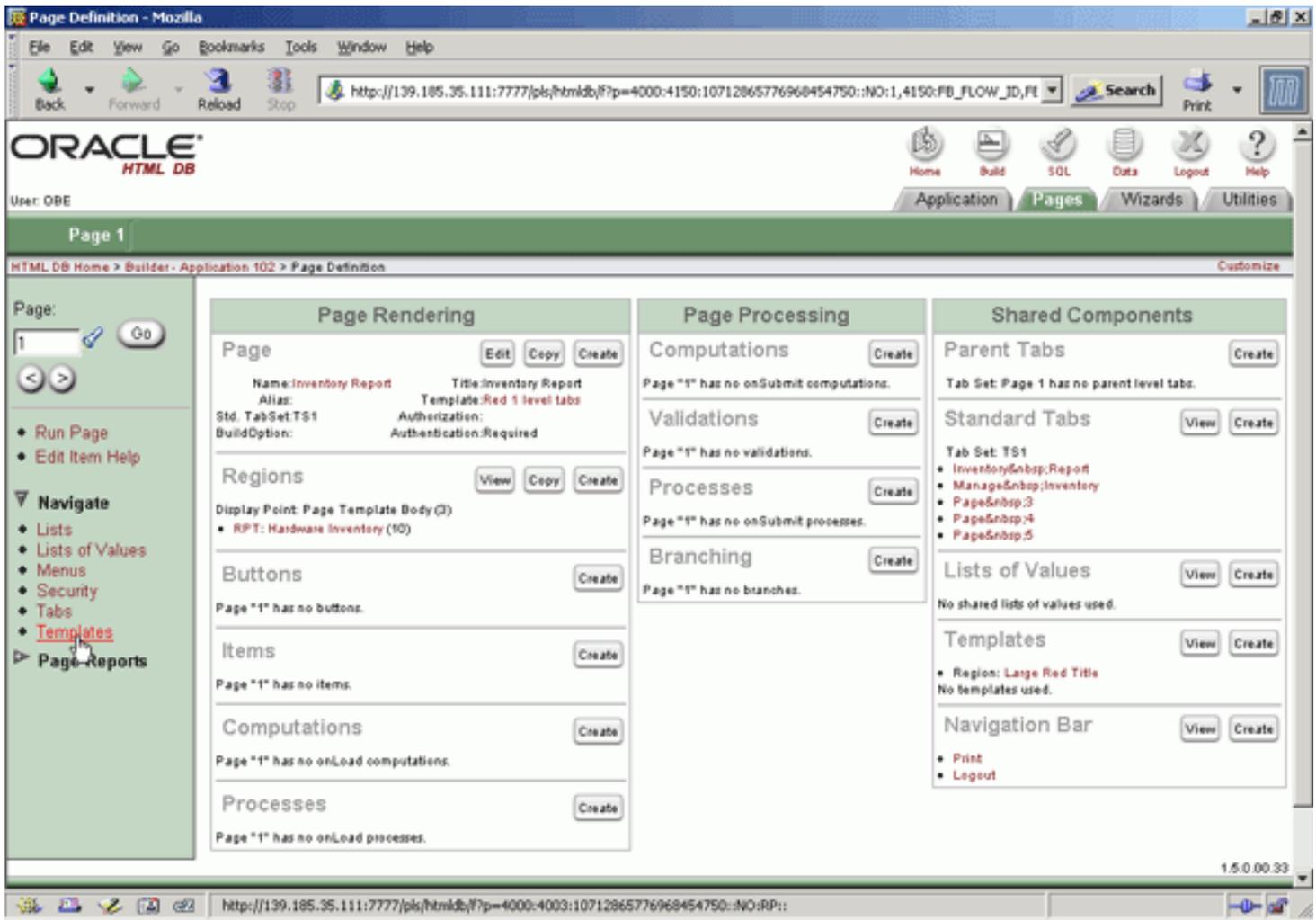
The screenshot shows the Oracle HTML DB Page Definition interface in a Mozilla browser window. The browser's address bar displays the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4000:4150:10712865776968454750::NO:1,4150:PB_FLOW_ID,FE`. The Oracle logo and "HTML DB" text are visible at the top left. The user is identified as "User: ORE". The interface is divided into several sections:

- Page 1**: The current page being defined.
- Page Rendering**: Contains sections for Page, Regions, Buttons, Items, Computations, and Processes. The "Page" section shows details like Name: *Inventory Report*, Title: *Inventory Report*, and Template: *Red 1 level tabs*. The "Regions" section shows a display point for "Page Template Body (3)" with a sub-region "RPT: Hardware Inventory (10)".
- Page Processing**: Contains sections for Computations, Validations, Processes, and Branching. Each section indicates that the page has no such elements.
- Shared Components**: Contains sections for Parent Tabs, Standard Tabs, Lists of Values, Templates, and Navigation Bar. The "Standard Tabs" section lists tabs: *Inventory Report*, *Manage Inventory*, *Page 3*, *Page 4*, and *Page 5*. The "Templates" section lists a region: *Large Red Title*.

The left sidebar contains a "Page:" field with the value "1" and a "Go" button. Below it are navigation arrows and a "Run Page" button. The "Navigate" section is expanded, showing "Page Reports".

The bottom of the browser window shows a JavaScript snippet: `javascript:hideShow("region5","shIMG5","(rollup_plus_dgray.gif)","(rollup_minus_dgray.gif)");`

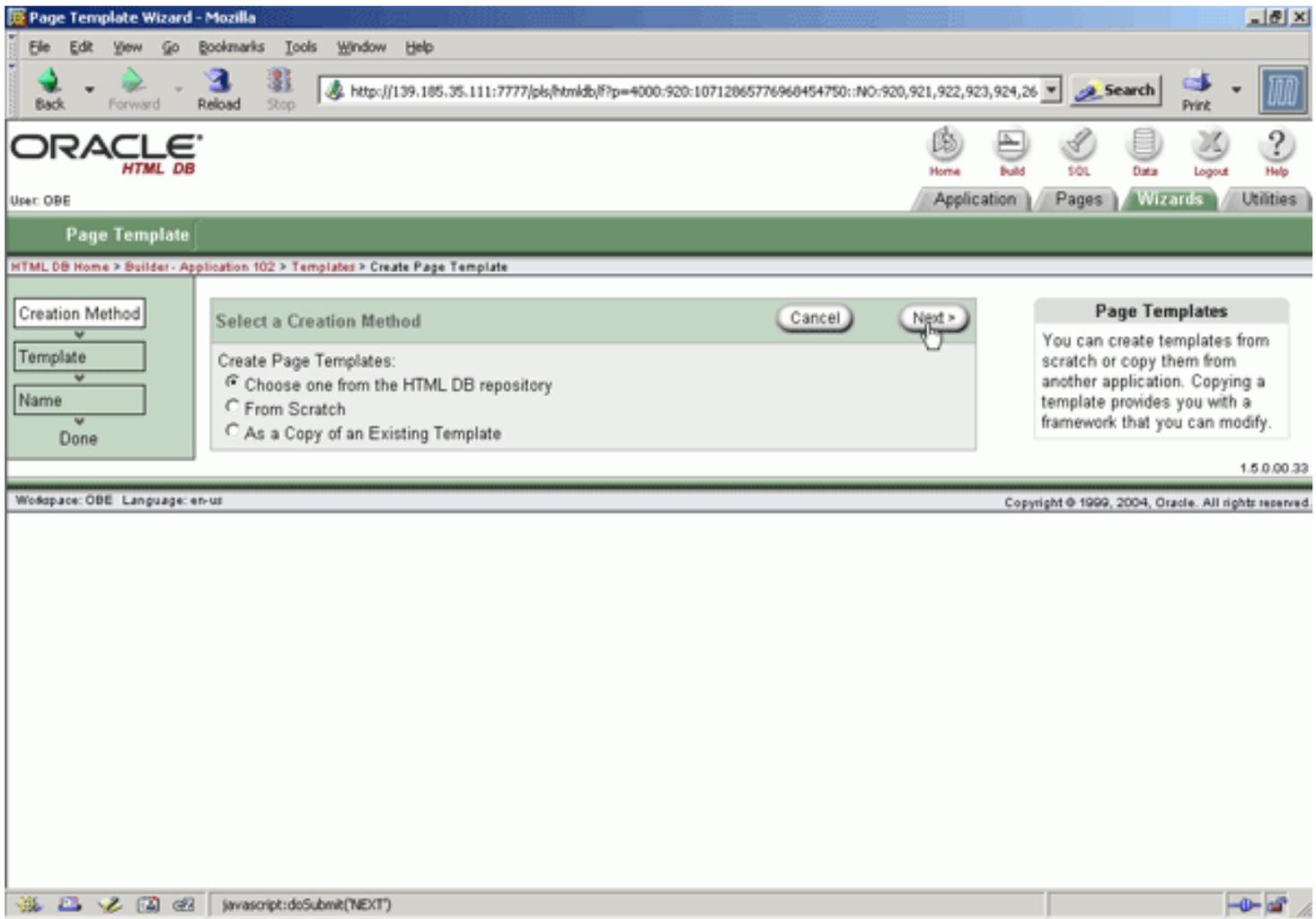
2. Click **Templates** .



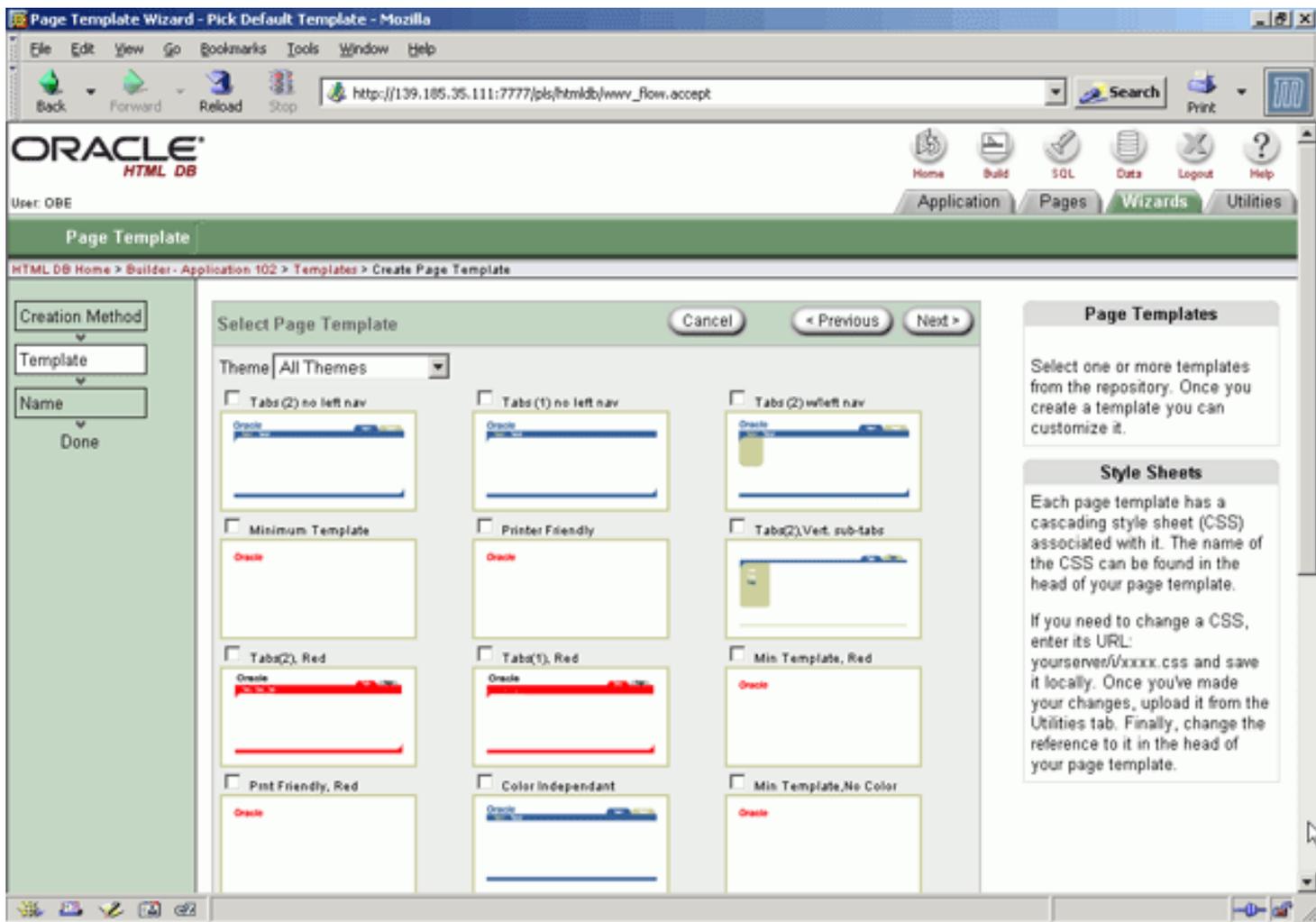
3. Click **Create / copy >** next to Page Templates.

The screenshot displays the Oracle HTML DB interface for managing templates. The browser window shows the URL `http://139.185.35.111:7777/pls/htmldb/f?p=4000:4003:10712865776968454750::NO:RP::`. The Oracle logo and 'HTML DB' text are visible at the top left. The user is identified as 'User: OBE'. The navigation pane on the left includes 'Home', 'Processes', 'Items', 'Computations', 'NavBar', 'Tabs', 'LOVs', 'Trees', 'Lists', 'Menus', 'Shortcuts', 'WebServices', 'Templates', 'Builds', and 'Security'. The 'Templates' section is active, showing a list of template categories with 'Create / copy >' buttons. The 'Page Templates (includes tab & navbar)' category is expanded, showing sub-templates: 'printer-friendly', 'Red 2 level tabs', 'Red 1 level tabs', and 'Login'. The 'Region Templates' category shows 'Gray/Gray Box', 'Large Red Title', 'Red Info Box', and 'Red/Gray Box'. The 'Report Templates: (Row and Column templates)' category shows 'alternating-color-rows (Column)'. The 'List Templates' category shows 'Standard Unordered List'. The 'Label Templates' category shows 'FormField_Nonrequired' and 'FormField_Required'. On the right, the 'Templates' section explains that templates define how pages or page components display and provides instructions on how to edit or preview a template. Below this, the 'Tasks' section lists 'Find Items' and 'Run this page'.

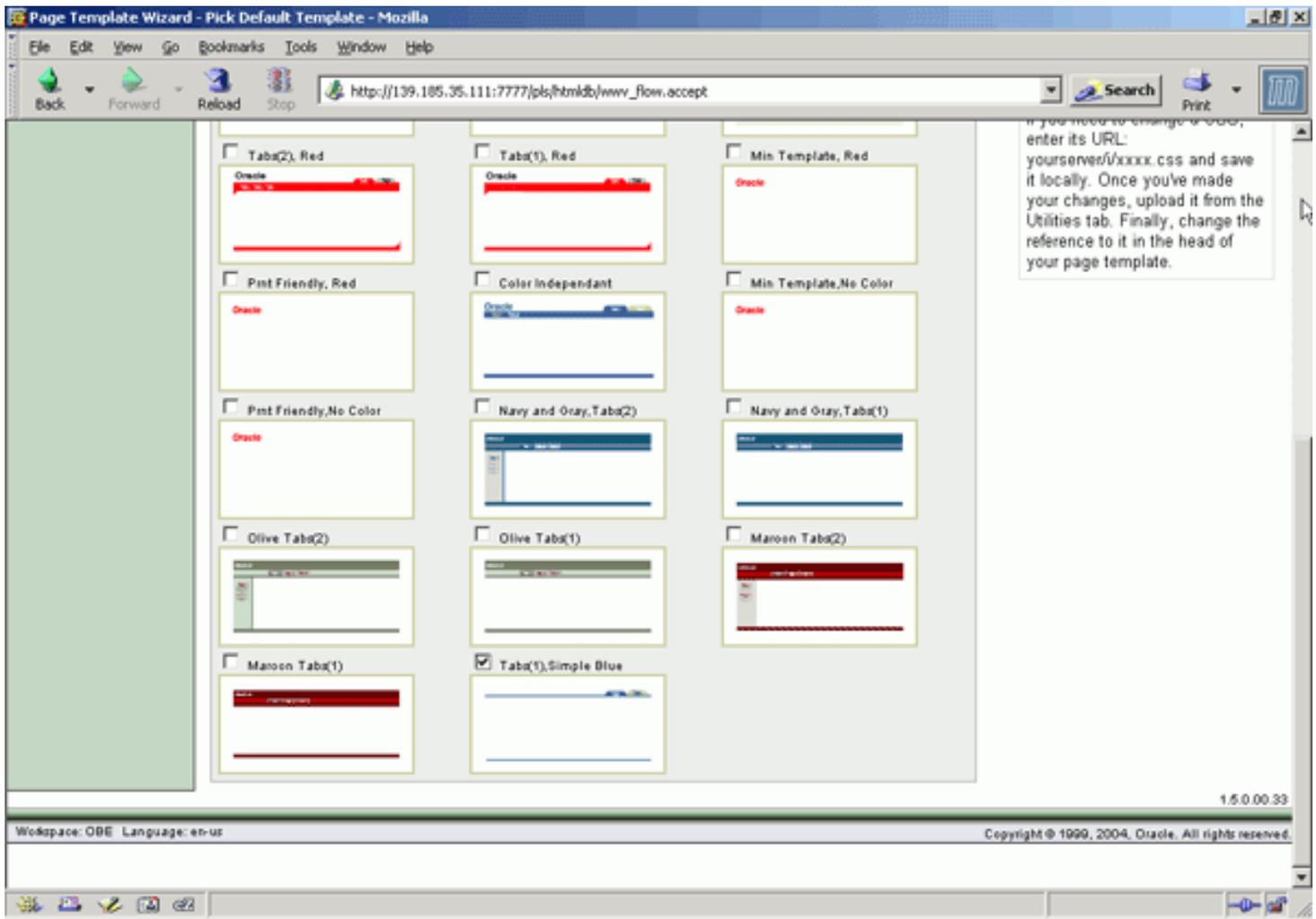
4. Make sure that the **Choose one from the HTML DB Repository** radio button is selected. Then click **Next** .



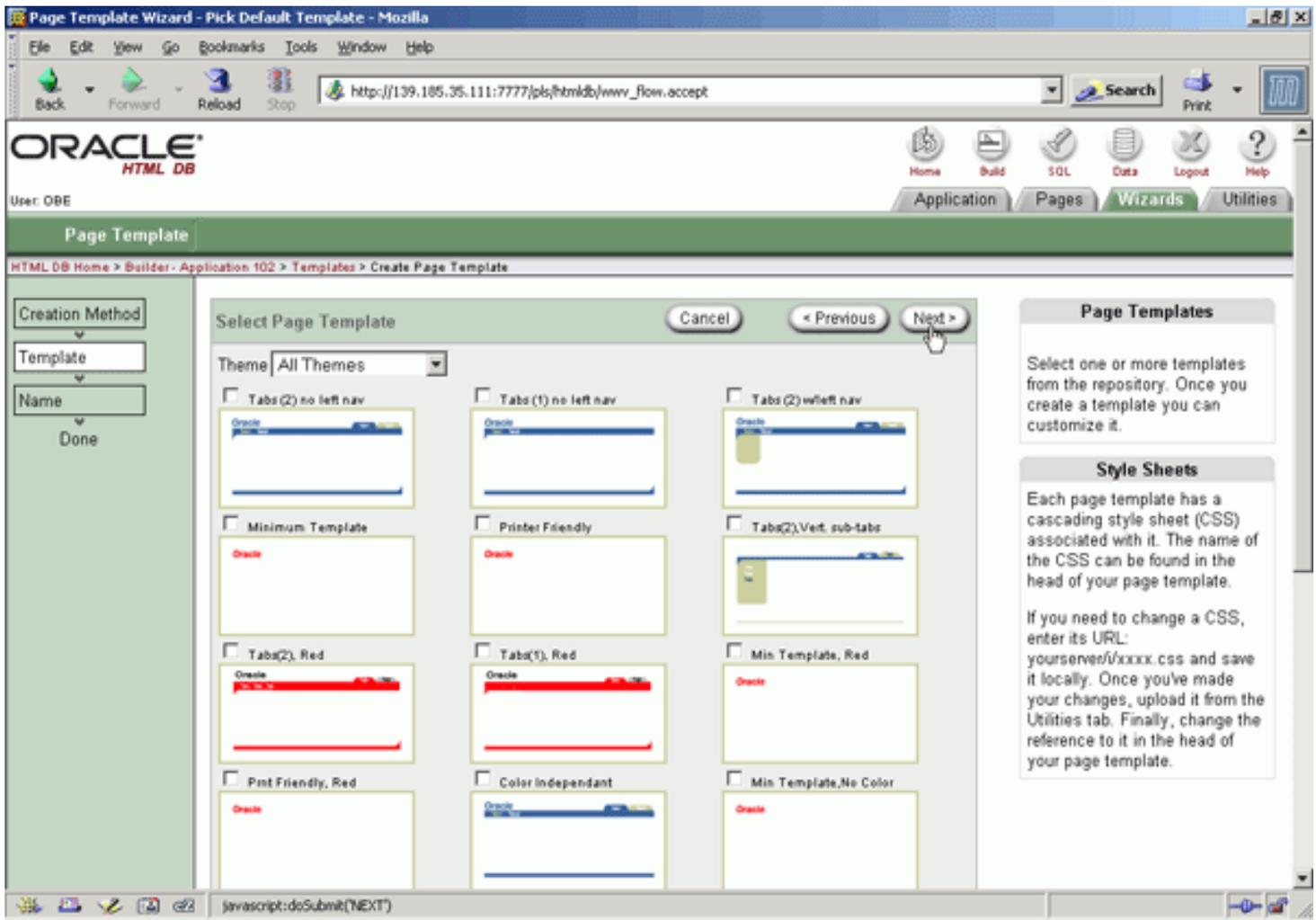
5. Scroll down to the bottom.



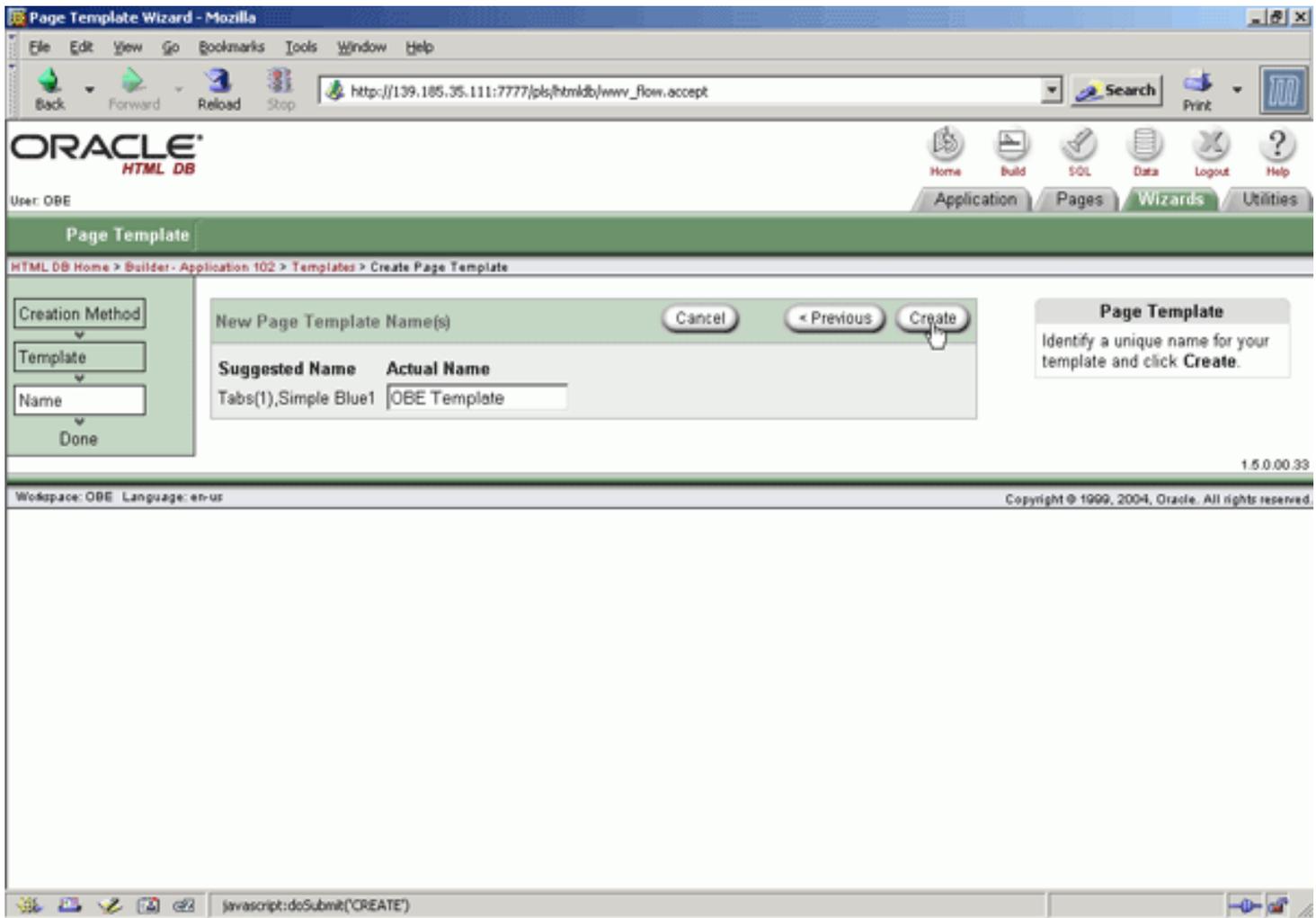
6. Select the **Tabs(1) Simple Blue** checkbox and scroll up to the top of the page.



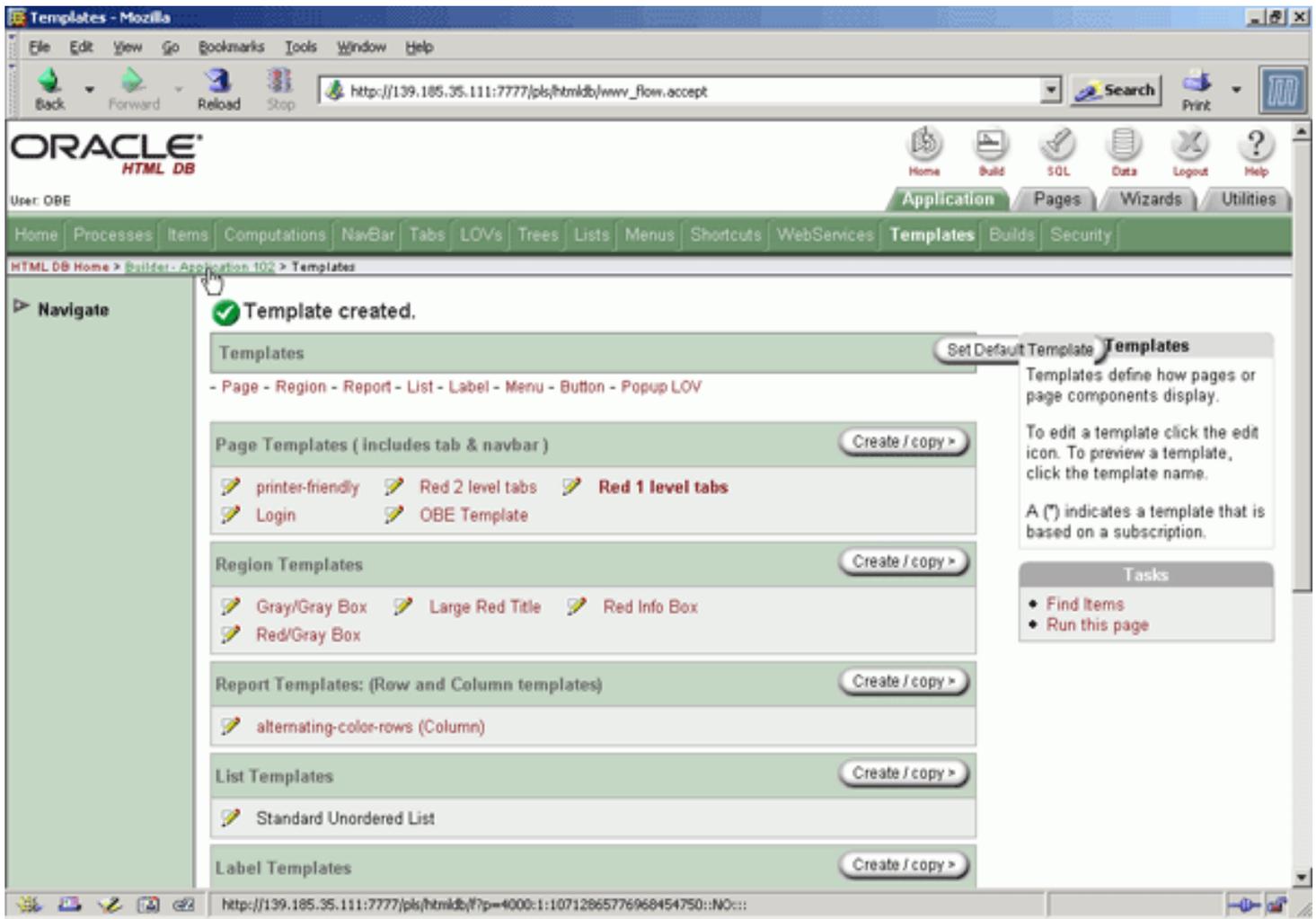
7. Click **Next** .



8. Enter **OBE Template** for the Actual Name and click **Create** .



9. You can now apply the page template to your application. Click the breadcrumb **Builder - Application** <number> .



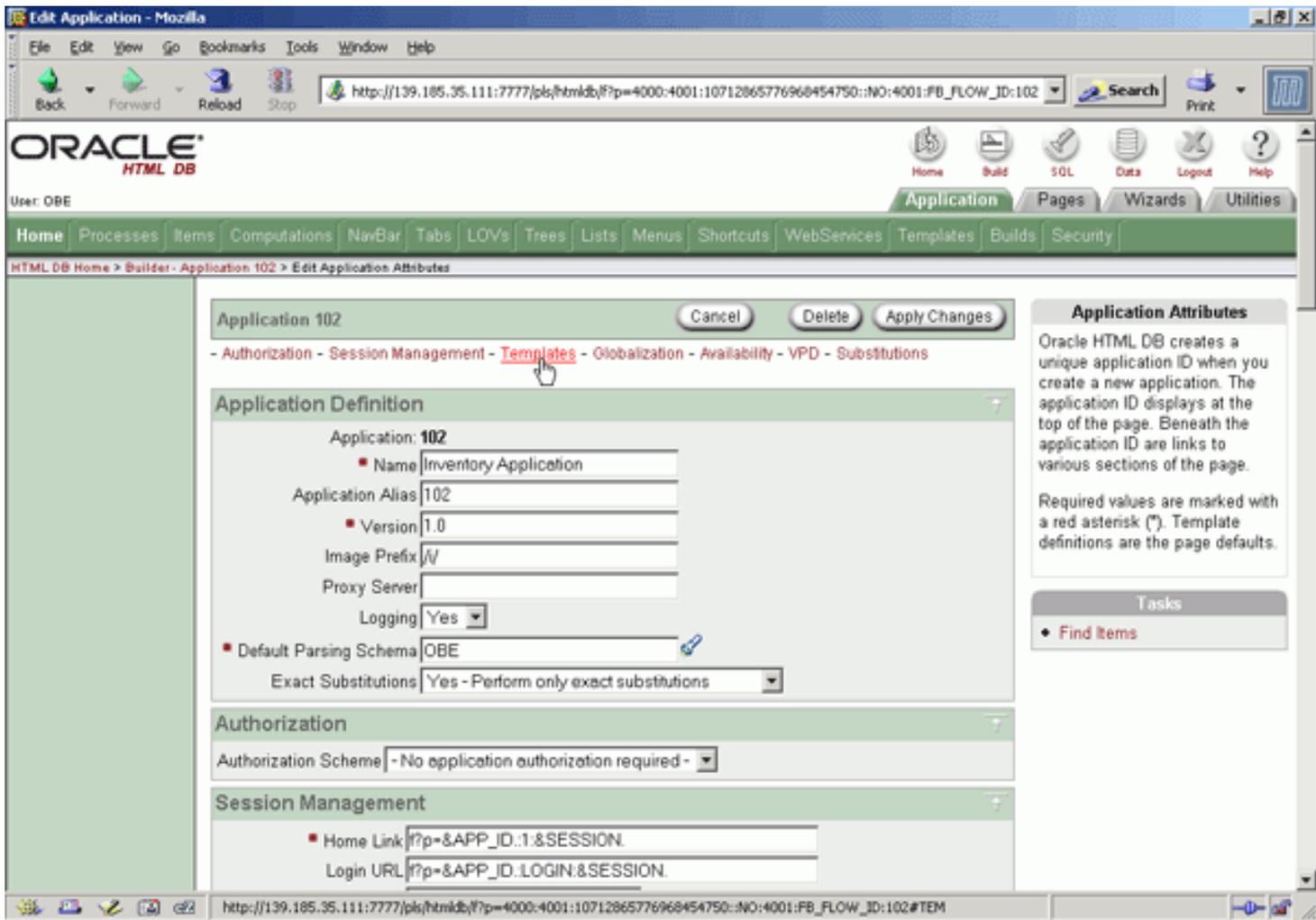
Click **Edit Attributes** .

10.

The screenshot shows the Oracle HTML DB Application Builder interface. The browser window title is "Application Builder - Mozilla". The address bar shows the URL: <http://139.185.35.111:7777/pls/htmldb/f?p=4000:1:10712865776968454750::NO::>. The Oracle logo and "HTML DB" text are visible at the top left. The user is identified as "User: OBE". The navigation menu includes "Home", "Processes", "Items", "Computations", "NavBar", "Tabs", "LOVs", "Trees", "Lists", "Menus", "Shortcuts", "WebServices", "Templates", "Builds", "Security", and "Customize". The "Application Builder" section is active, showing "Available Applications: 102 Inventory Application" and "Current Application: 102". The application details include "Updated: 02/09/2004 11:20:31 AM", "Authentication: SCHEME", "Alias: 102", "Owner: OBE", and "Template: Red 1 level tabs". The "Edit Page" field is set to "1" and the "View Mode" is "List". The "page list" shows: 1. Inventory Report, 2. Manage Inventory, 3. Page 3, 4. Page 4, 5. Page 5, and 101. Login. The "Tasks" section lists: Manage Developers, Monitor Activity, Review Demonstrations, Change Password, Extend this Application, and Delete this Application.

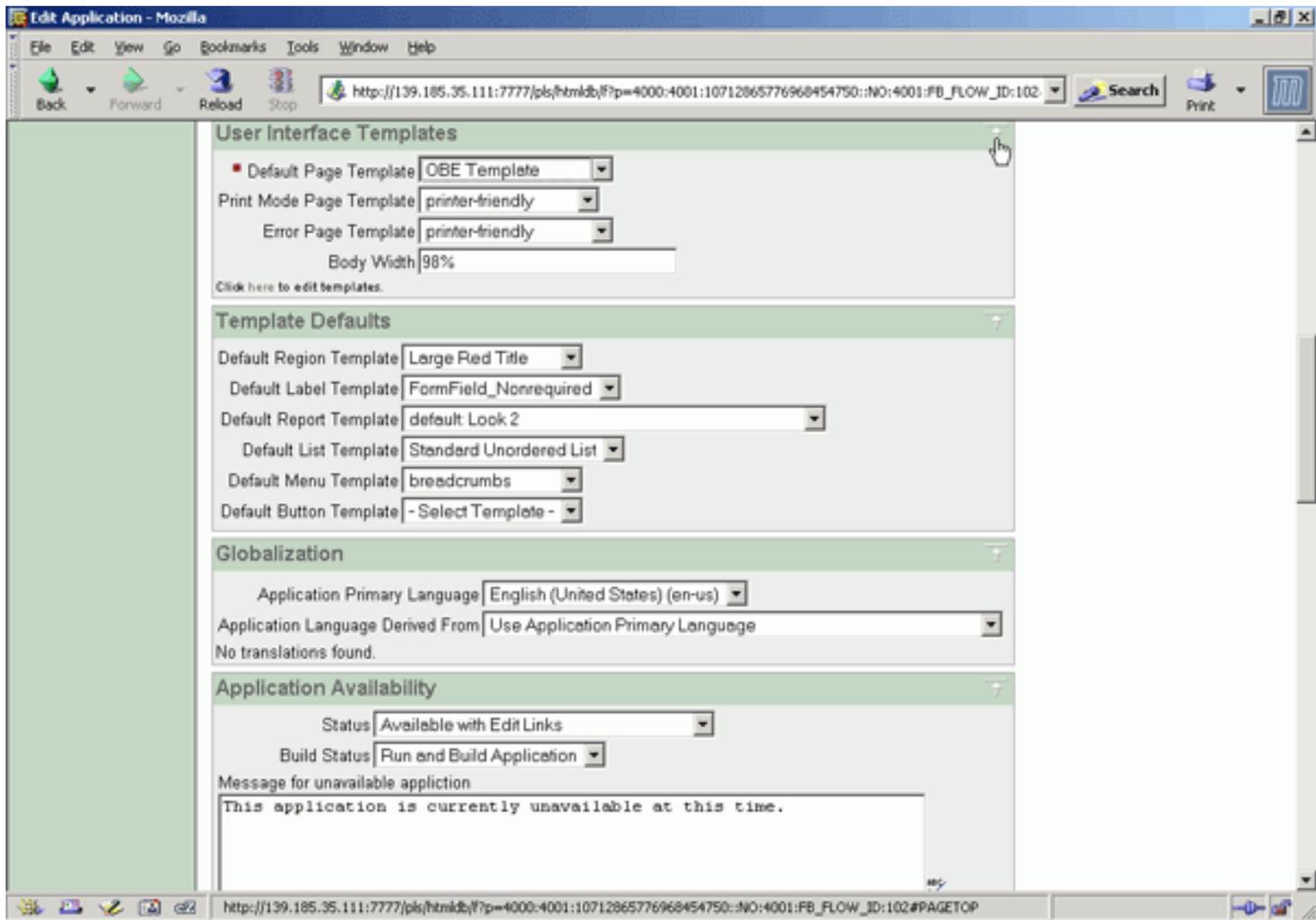
Select the **Templates** link to go to that section.

11.



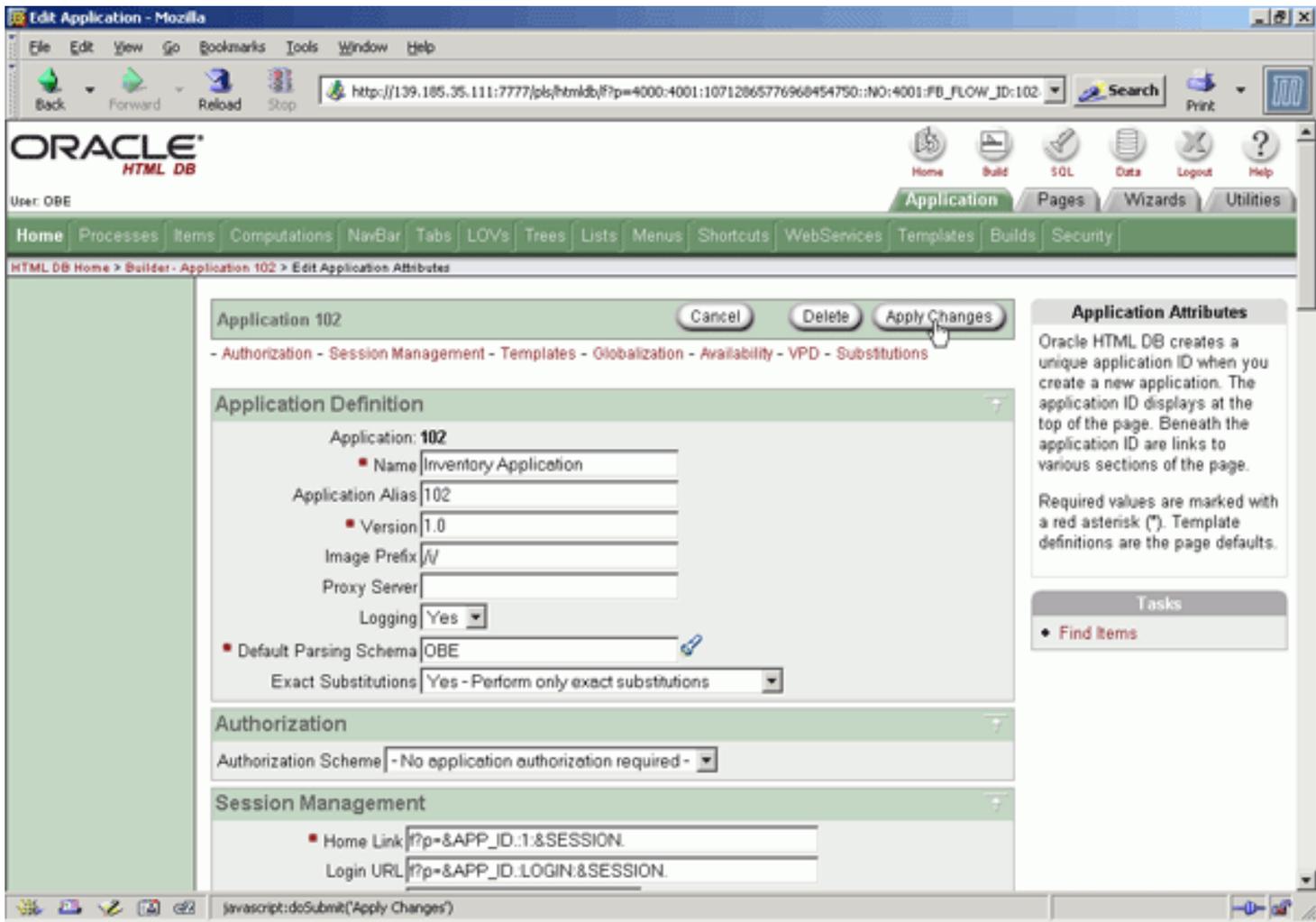
Select **OBE Template** as the Default Page Template and click **Top** to move back up to the top of this form.

12.



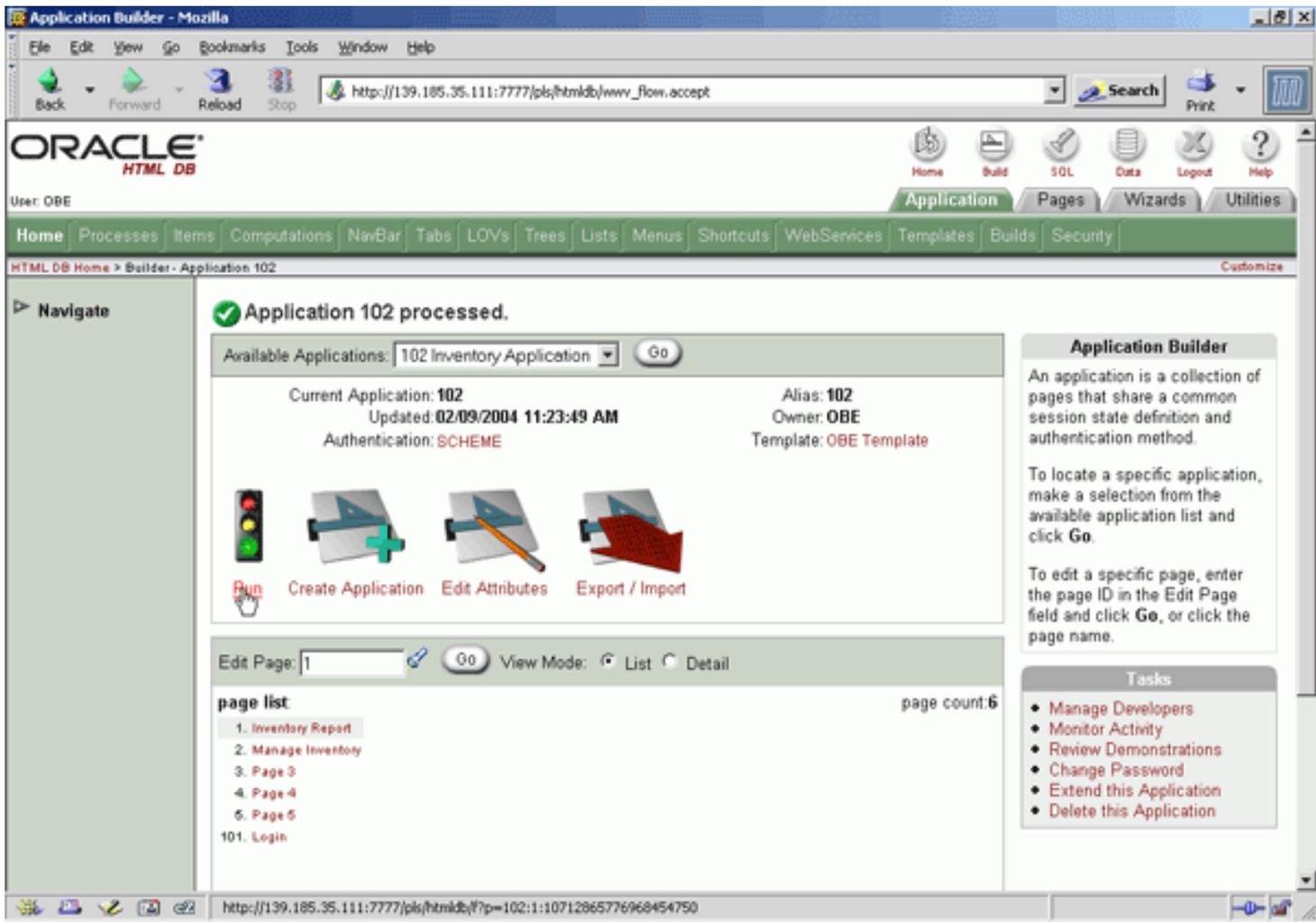
Click **Apply Changes** .

13.



Click **Run** to see the next template applied.

14.



15. You will see the next template. Click the **Manage Inventory** tab. You will see the template has been applied to all pages.

Inventory Report - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

http://139.185.35.111:7777/pls/htmldb/f?p=102:1:10712865776968454750

Search Print

ORACLE

Print Logout

OBE

Inventory Report Manage Inventory Page 3 Page 4 Page 5

Hardware Inventory

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
26	FL4Q321	Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
38	ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
5	HGMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
20	H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
36	JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
21	KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
37	OKMND676	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
3	0kBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
29	LKM7D9U	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
13	3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
19	9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
35	BUJDSLKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
6	W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
18	QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
23	QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Show Edit Links

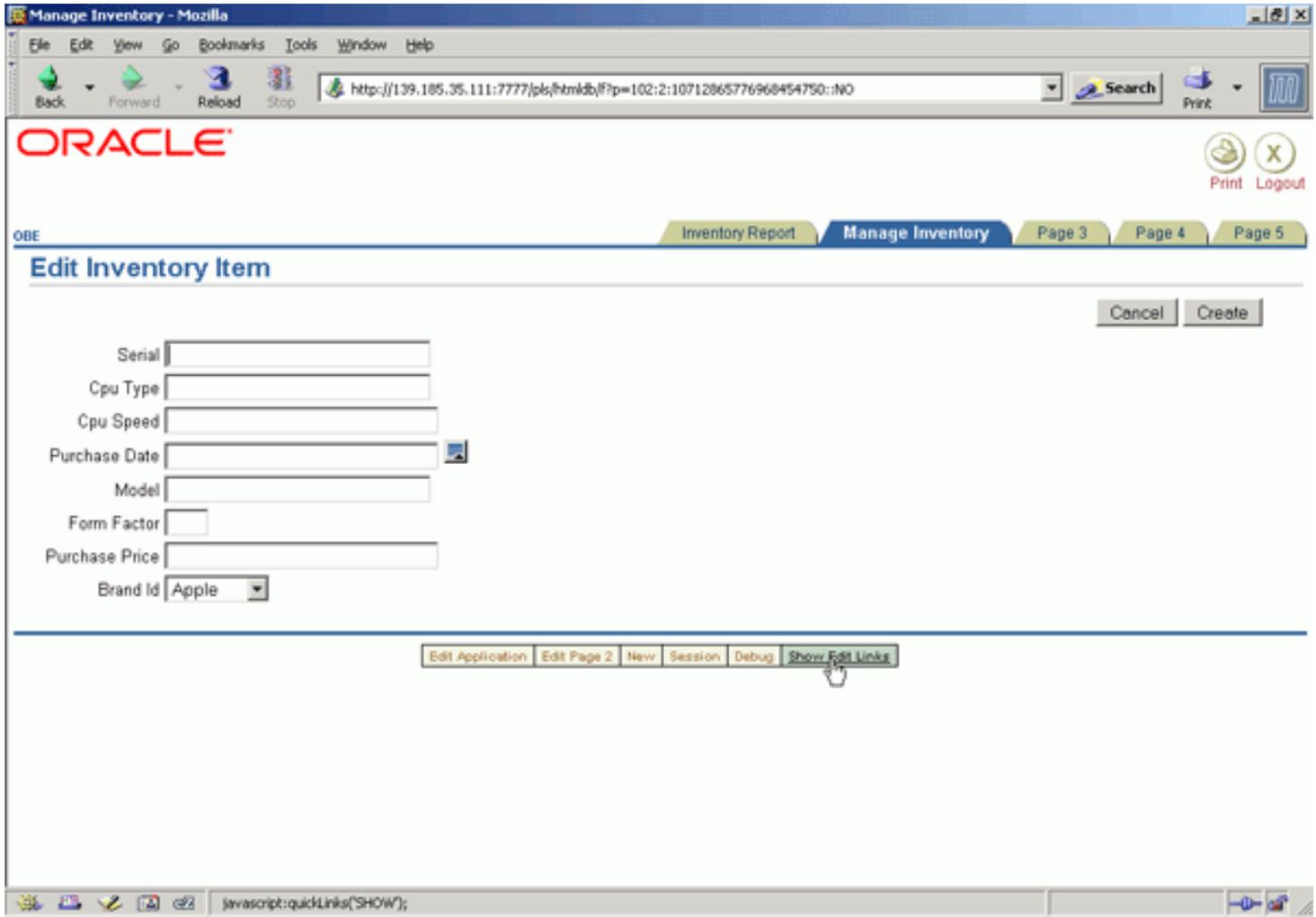
javascript:doSubmit('T_MANAGE_INVENTORY');

Editing Application Objects

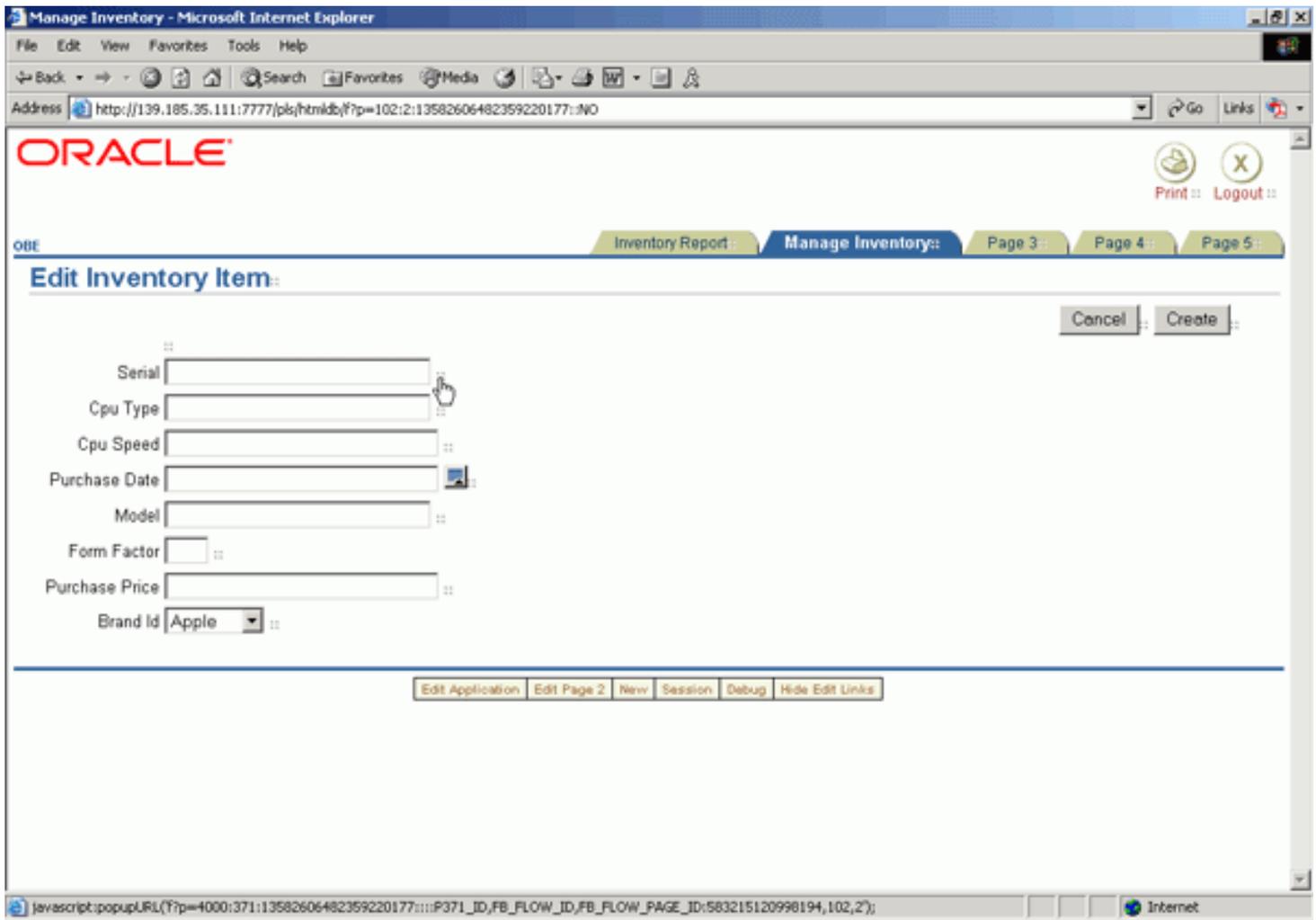
[Back to List](#)

Since you may want to make changes to how your objects function and display, you might find being able to edit your objects in runtime mode to be helpful. Perform the following:

1. To be able to edit fields in runtime mode, click **Show Edit Links** .



2. Click the edit icon next to **Serial** .



3. Change the Label to **Serial Number**, click on the **Refresh** checkbox and click **Apply Changes** .

Edit Page Item Refresh

- Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

▪ Name

▪ Display As

Displayed

▪ Sequence

▪ Region

Begin On New Line ... Field ColSpan RowSpan

Label

Label

Horizontal / Vertical Alignment

Template

HTML Table Cell Attributes

Post Element Text

Element

Width maxWidth Height

4. Click **Cancel** to close the window.

Microsoft Internet Explorer

Edit Page Item

Refresh

Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page "2" item "P2_SERIAL" processed.

Page Item

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

▪ Name

▪ Display As

Displayed

▪ Sequence

▪ Region

Begin On New Line ...Field ColSpan RowSpan

Label

Label

Horizontal / Vertical Alignment

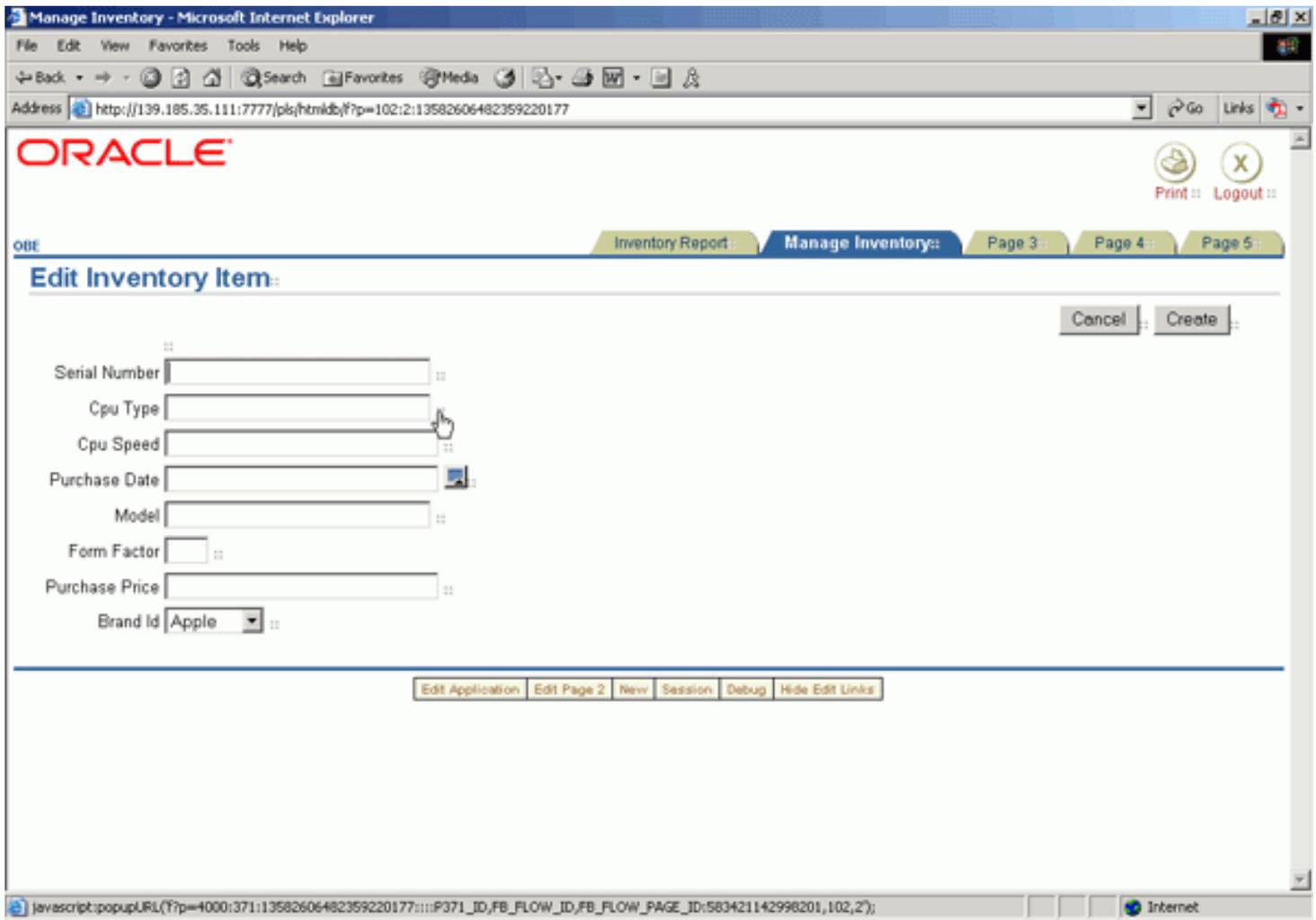
Template

HTML Table Cell Attributes

Post Element Text

Element

5. Click the edit icon next to **Cpu Type**.



6. In the Page Item section, click the **Popup LOV** link.

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

Name: P2_CPU_TYPE

Display As: Text Field

[Text] [Text Area] [Select List] [Radio] **[Popup LOV]** [Checkbox] [Date] [Hidden]

Sequence: 3

Region: Edit Inventory Item 1.10

Begin On New Line: Yes ...Field: Yes ColSpan: 1 RowSpan: 1

Label: Cpu Type

Horizontal / Vertical Alignment: Right

Template: FormField_Nonrequired

HTML Table Cell Attributes: []

Post Element Text: []

Width: 31 maxWidth: 255 Height: 1

7. The Display as field will change to a Popup LOV. Click on the **LOV** link at the top of the window.

Edit Page Item Refresh Cancel Delete Apply Changes

Displayed - Label - Element - Source - Default - **LOV** - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

Name: P2_CPU_TYPE

Display As: Popup LOV (fetches first rowset)

[Text] [Text Area] [Select List] [Radio] [Popup LOV] [Checkbox] [Date] [Hidden]

Displayed

Sequence: 3

Region: Edit Inventory Item 1.10

Begin On New Line: Yes ... Field: Yes ColSpan: 1 RowSpan: 1

Label

Label: Cpu Type

Horizontal / Vertical Alignment: Right

Template: FormField_Nonrequired

HTML Table Cell Attributes:

Post Element Text:

Element

Width: 31 maxWidth: 255 Height: 1

8. In the LOV Query field, enter the following, then click **Top** .

```
select distinct cpu_type d, cpu_type r from inventory
```

Edit Page Item - Microsoft Internet Explorer

Lists of Values

Named LOV:

Display Extra Values:

Columns:

Null Text:

Translated:

Display Null:

Null Value:

LOV Query

```
select distinct cpu_type d, cpu_type r from inventory
```

Syntax Examples:

- select ename display_value, empno return_value from ...
- STATIC: Yes;1,No;0

Authorization

Authorization Scheme

Conditional Item Display

Condition Type

Expression 1

 Expression 2

9. Make sure **Refresh** is checked and click **Apply Changes** . Then click **Cancel** .

Edit Page Item Refresh

- Displayed - Label - Element - Source - Default - LOV - Authorization - Conditions - Read Only - Help - Configuration

Page Item

Application: **102 Inventory Application**
Page: **2 Manage Inventory**

▪ Name

▪ Display As

[\[Text\]](#) [\[Text Area\]](#) [\[Select List\]](#) [\[Radio\]](#) [\[Popup LOV\]](#) [\[Checkbox\]](#) [\[Date\]](#) [\[Hidden\]](#)

Displayed

▪ Sequence

▪ Region

Begin On New Line ... Field ColSpan RowSpan

Label

Label

Horizontal / Vertical Alignment

Template

HTML Table Cell Attributes

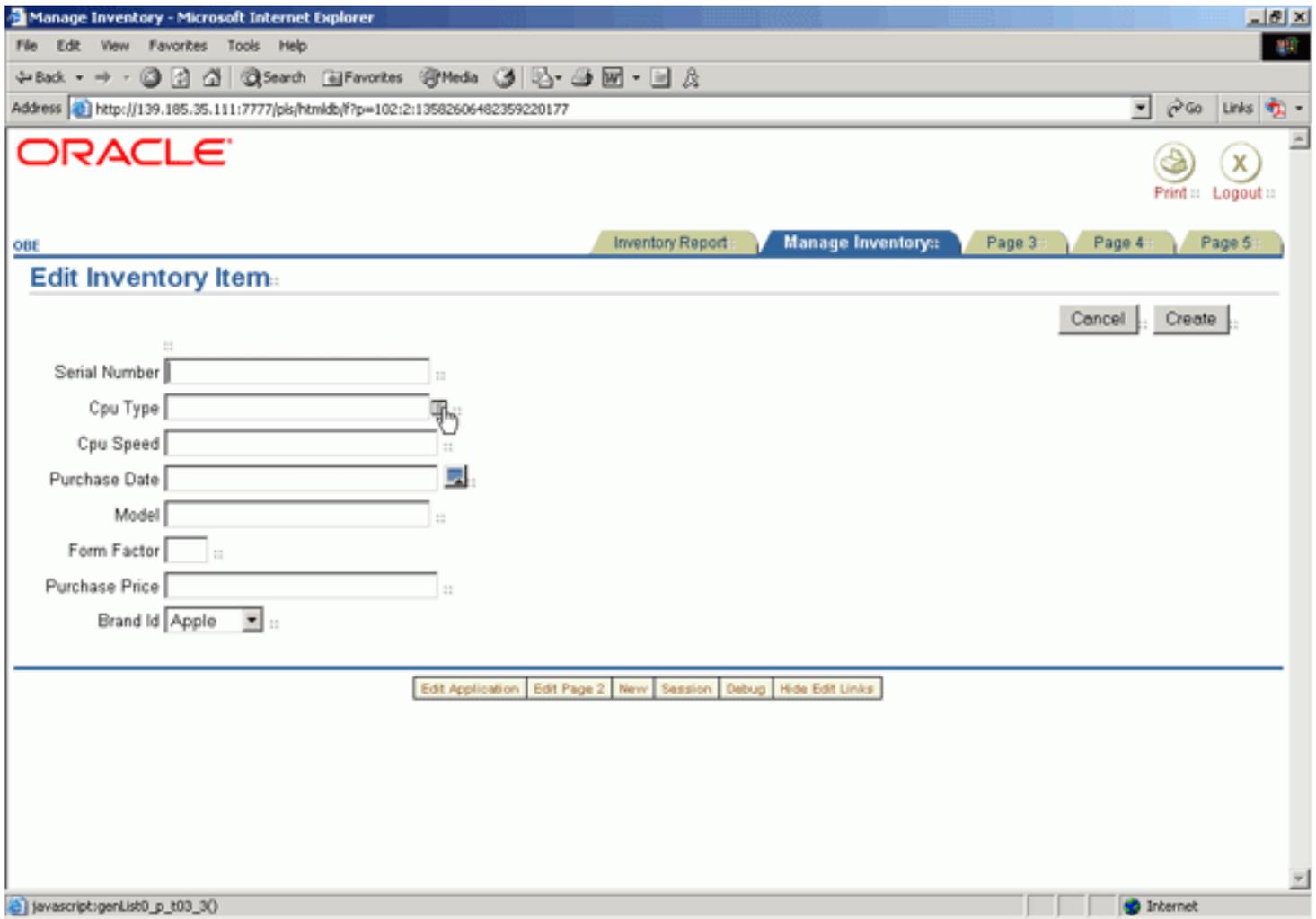
Post Element Text

Element

Width maxWidth Height

Click on the LOV icon next to Cpu Type.

10.

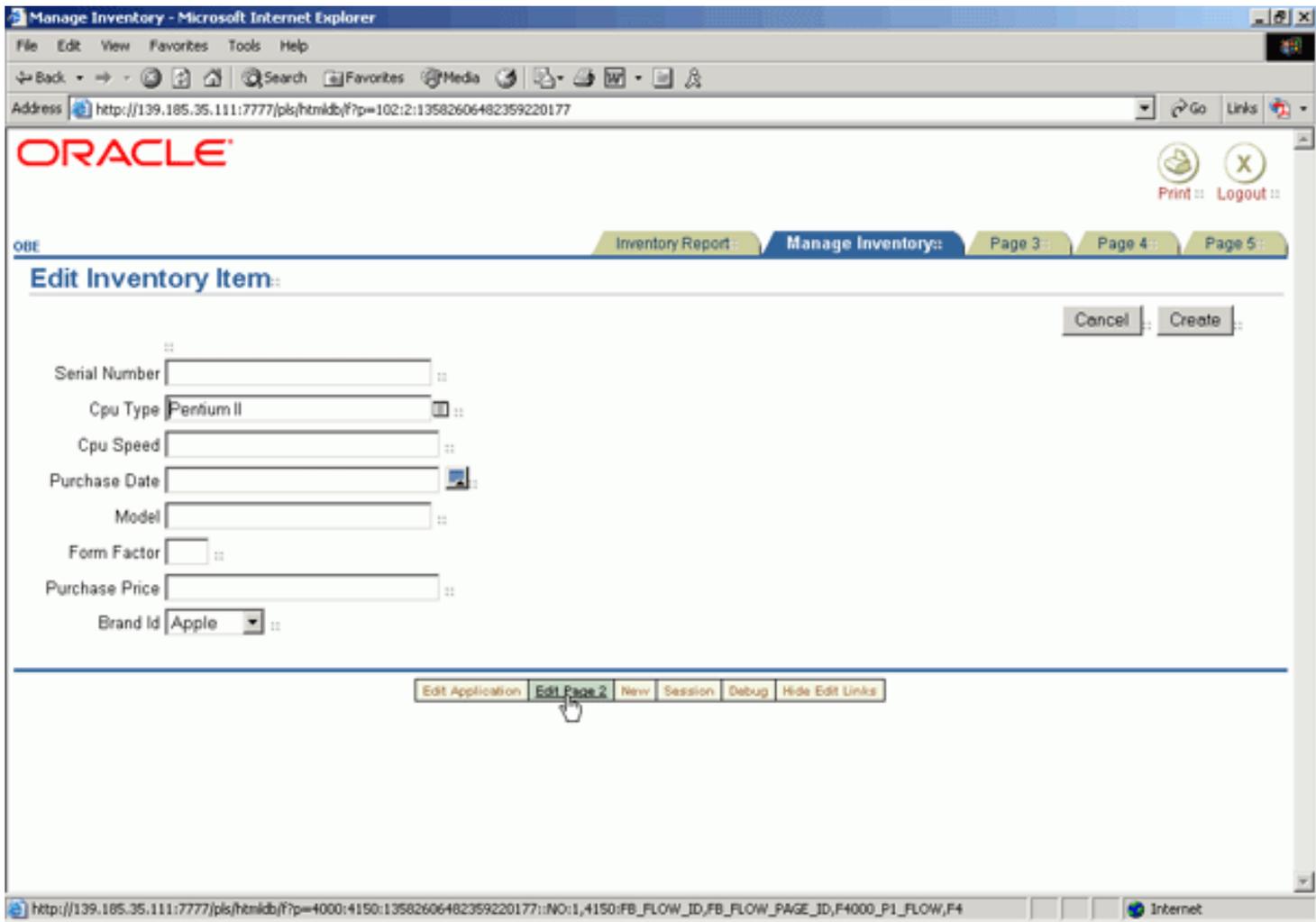


Select one of the values.

11.



12. You will see the value is inserted into the field. Now you want to link this form to the report you created earlier, click **Edit page 2** .



Linking your Report to your Form

[Back to List](#)

When the report is viewed, the user may want to change a value. To do this, you can setup the ID column as an edit column that will branch to the Manage Inventory page, and pass the values so that the user can edit them. Perform the following:

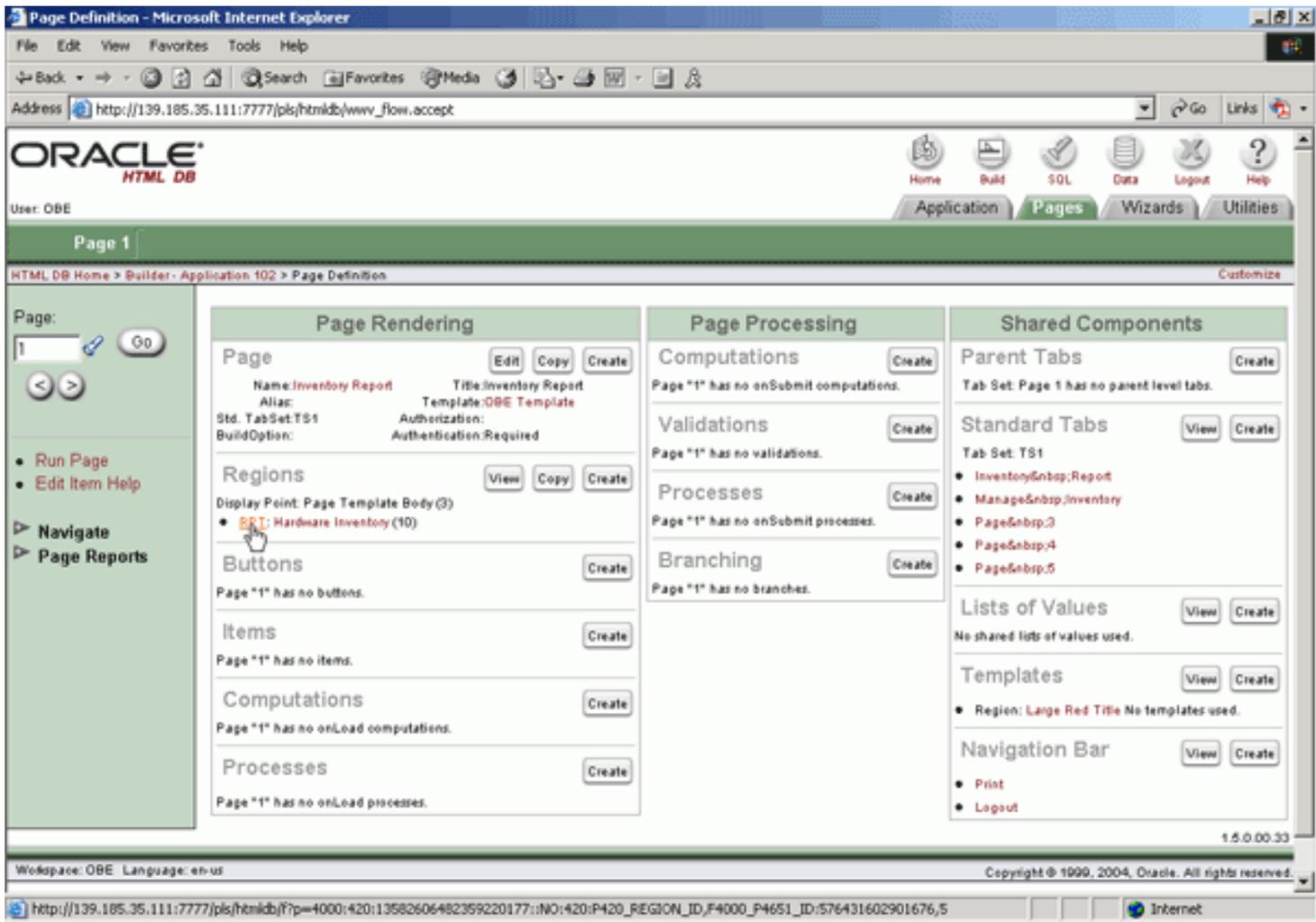
1. You need to start on page 1. Click the < button to navigate to page 1.

The screenshot displays the Oracle HTML DB Page Definition interface in Microsoft Internet Explorer. The browser address bar shows a URL with parameters for page ID and flow ID. The Oracle logo and 'HTML DB' text are visible at the top left. The user is identified as 'OBE'. The interface is divided into several sections:

- Page:** A sidebar on the left with a 'Page:' field set to '2' and a 'Go' button. Below it are navigation arrows and a list of actions: 'Run Page' and 'Edit Item Help'. Further down are 'Navigate' and 'Page Reports' sections.
- Page Rendering:** A central panel with sub-sections:
 - Page:** Fields for Name (Manage Inventory), Title (Manage Inventory), Alias, Template (OBE Template), Std. TabSet (TS1), Authorization (Authentication Required), and BuildOption.
 - Regions:** Display Point: Page Template Body (3). Item: H: Edit Inventory Item (10).
 - Buttons:** Region: Edit Inventory Item. Items: 30: CANCEL, 20: DELETE, 30: SAVE, 40: CREATE.
 - Items:** Region: Edit Inventory Item. Items: 0: P2_ID Hidden, 2: P2_SERIAL Text Field, 3: P2_CPU_TYPE Popup LOV (fetches first rowset), 4: P2_CPU_SPEED Text Field, 5: P2_PURCHASE_DATE Date Picker (DD-MON-YY), 6: P2_MCHSL Text Field.
- Page Processing:** A panel with sub-sections:
 - Computations:** Page "2" has no onSubmit computations.
 - Validations:** Page "2" has no validations.
 - Processes:** After Submit, 1: Process Row of INVENTORY.
 - Branching:** Before Validation, 1: Redirect To Page 1; After Processing, 1: Redirect To Page 1.
- Shared Components:** A panel with sub-sections:
 - Parent Tabs:** Tab Set: Page 2 has no parent level tabs.
 - Standard Tabs:** Tab Set: TS1. Items: Inventory Report, Manage Inventory, Page 3, Page 4, Page 5.
 - Lists of Values:** No shared lists of values used.
 - Templates:** Region: Large Red Title; Label: Formfield_Nonrequired. No templates used.
 - Navigation Bar:** Items: Print, Logout.

The status bar at the bottom shows a JavaScript error: 'javascript:doSubmit("PREVIOUS")' and the Internet Explorer logo.

2. Click on **RPT** to edit the properties for the Hardware Inventory region.



3. Click on the **Edit** icon next to ID.

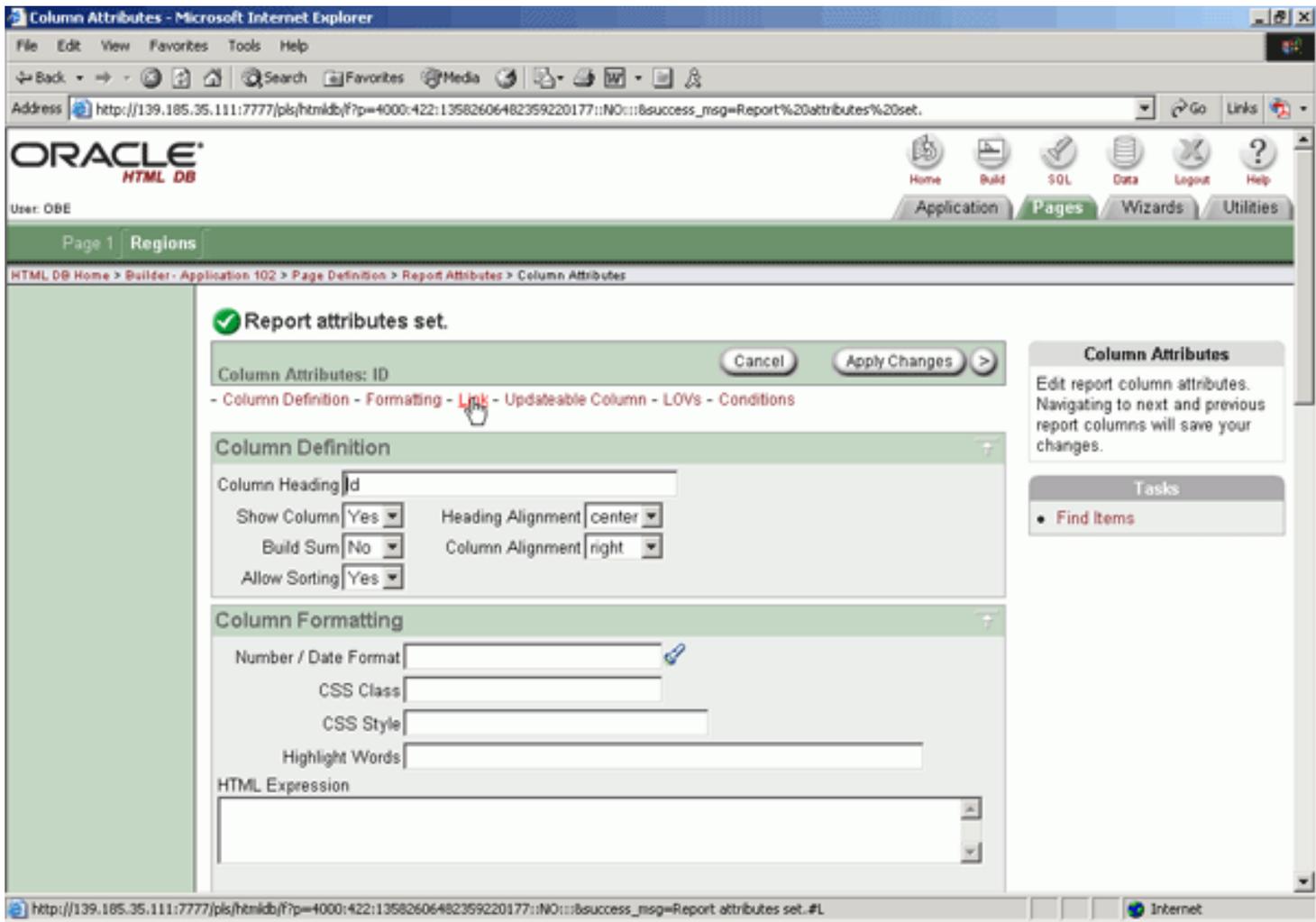
The screenshot shows the Oracle HTML DB interface for configuring report attributes. The main area is titled 'Report Column Attributes' and includes a 'Headings Type' section with radio buttons for 'Column Names', 'Column Names (InitCap)', 'Custom' (selected), 'PL/SQL', and 'None'. Below this is a table with the following columns: Alias, Edit, Heading, Column Align., Heading Align., Show, Sum, Sort, and Sort Sequence. The table contains the following data:

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sort Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

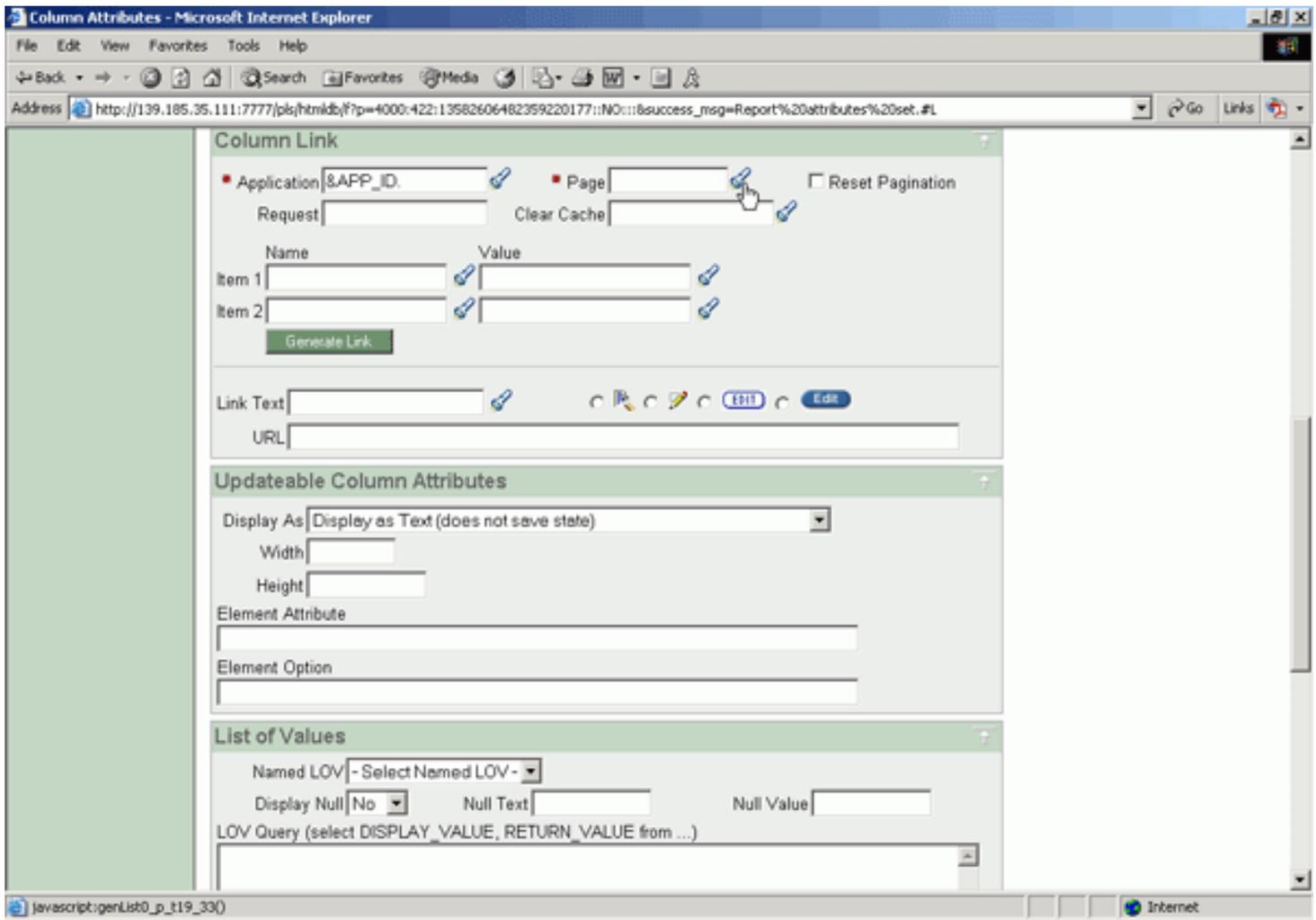
The right sidebar contains a 'Report Attributes' section with explanatory text and a 'Tasks' section with the following links:

- Find Items
- Show Query Source
- Run this page

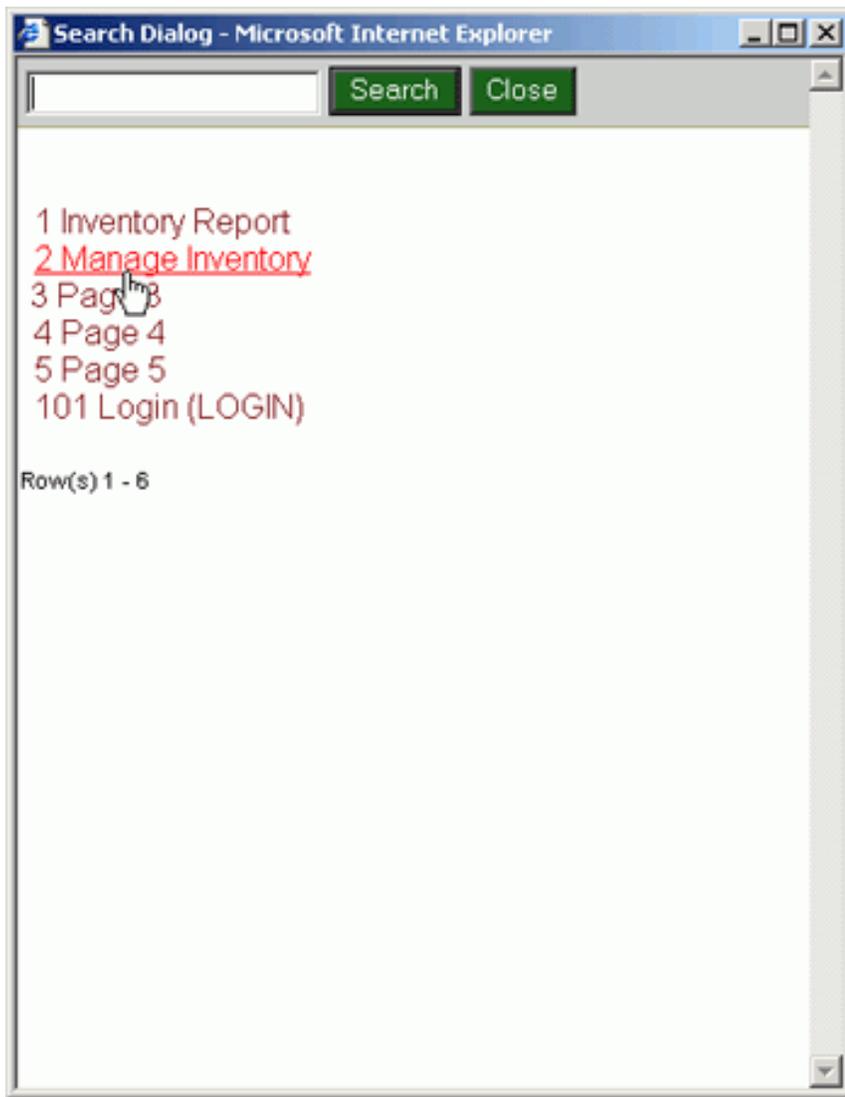
4. Click **Link** .



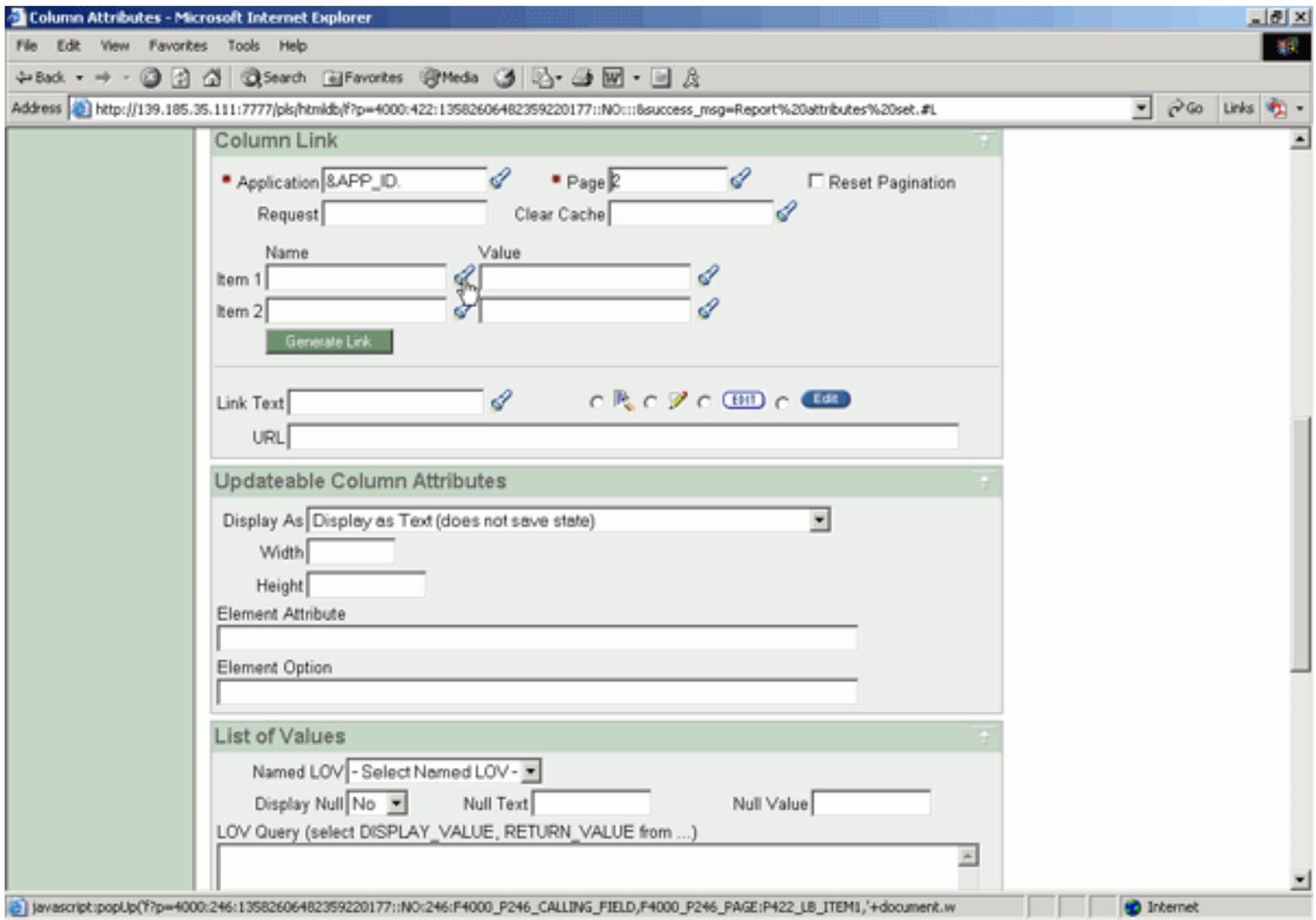
5. Click the **search light** icon next to **Page** .



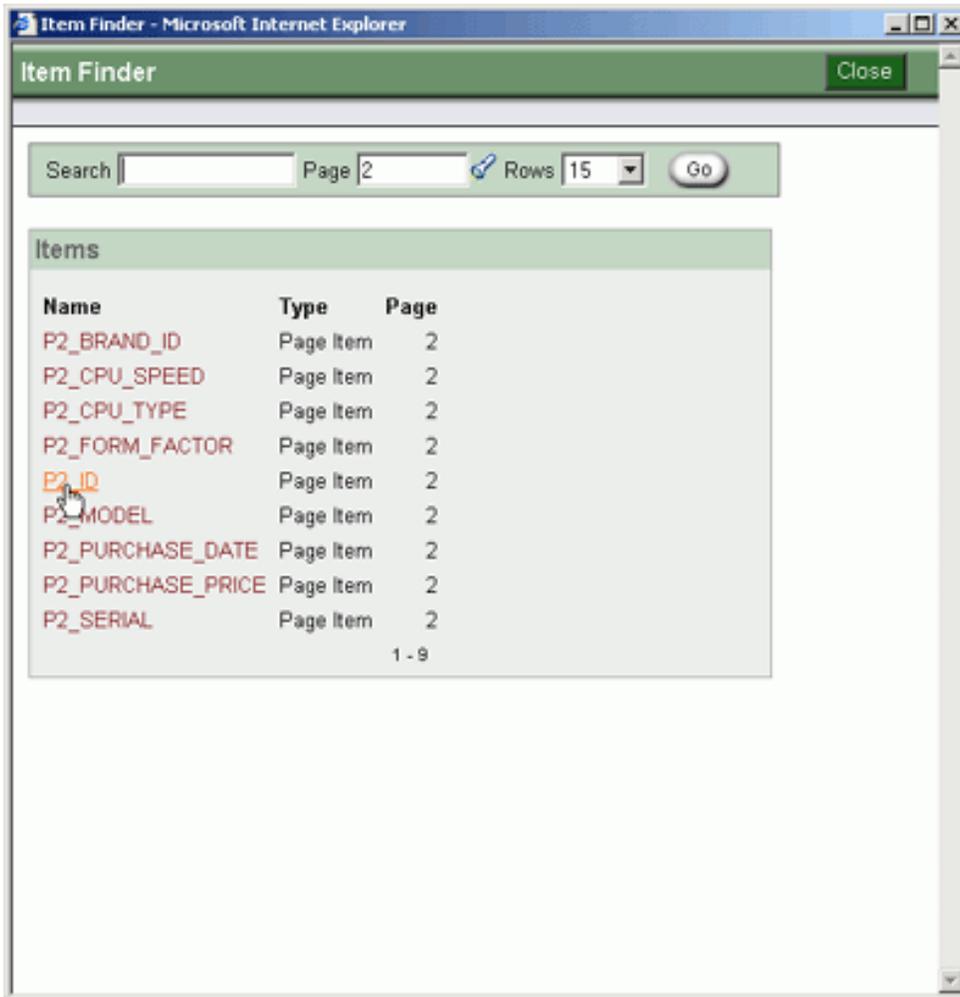
6. Click **2 Manage Inventory**.



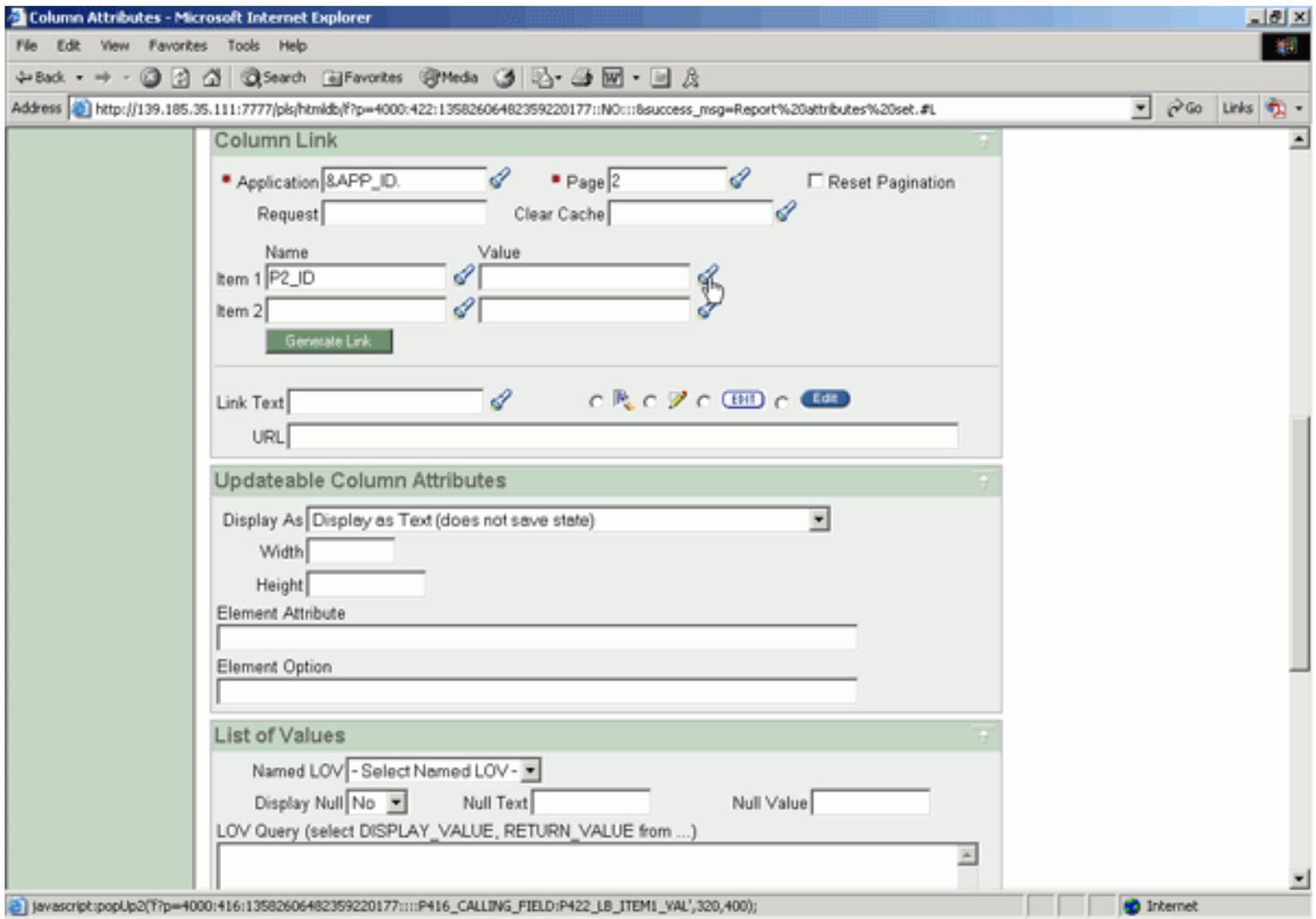
7. Click the **search light** for **Item 1 Name** .



8. Click **P2_ID** .



9. Click the **search light** for **Item 1 Value** .



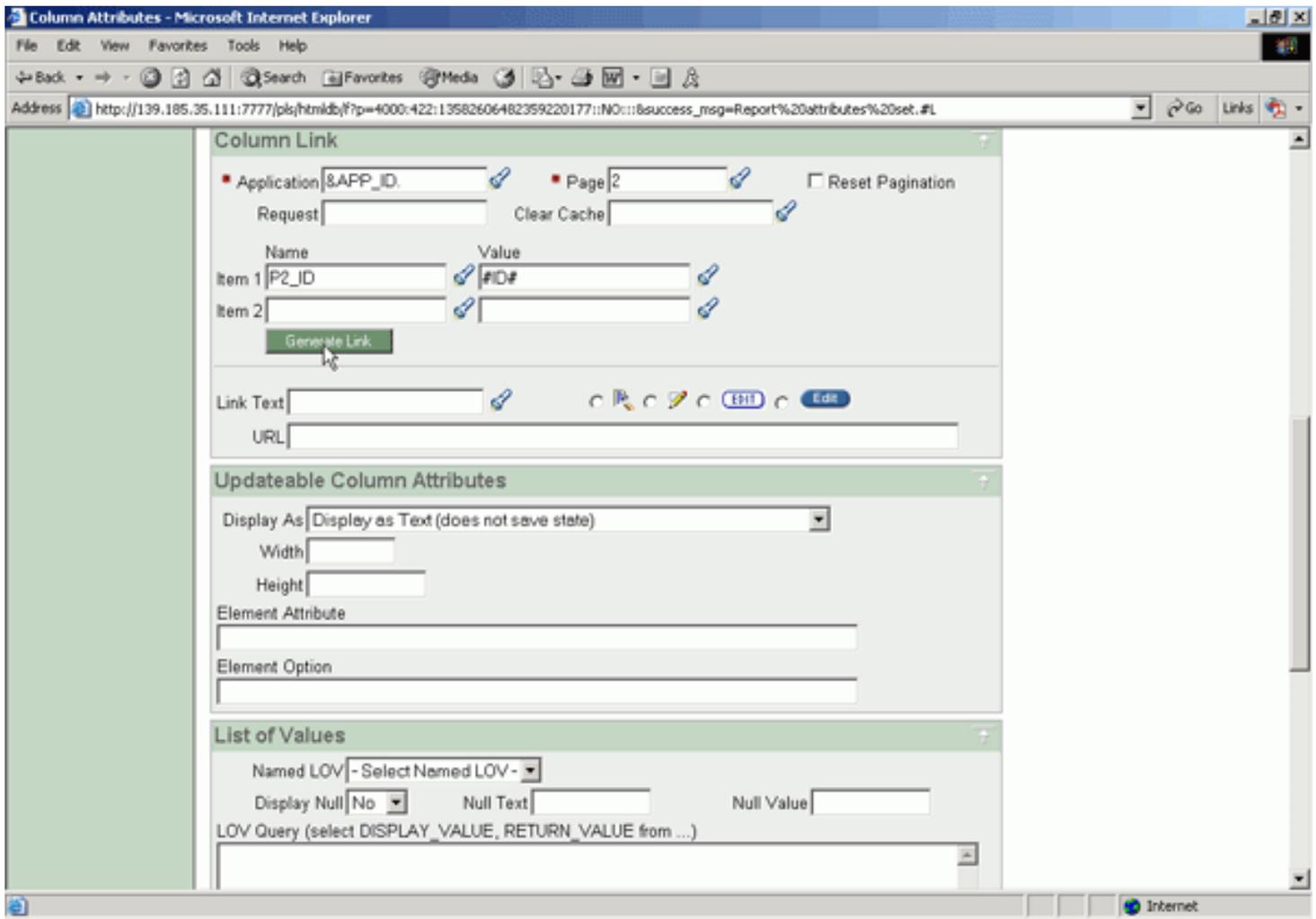
Click #ID# .

10.



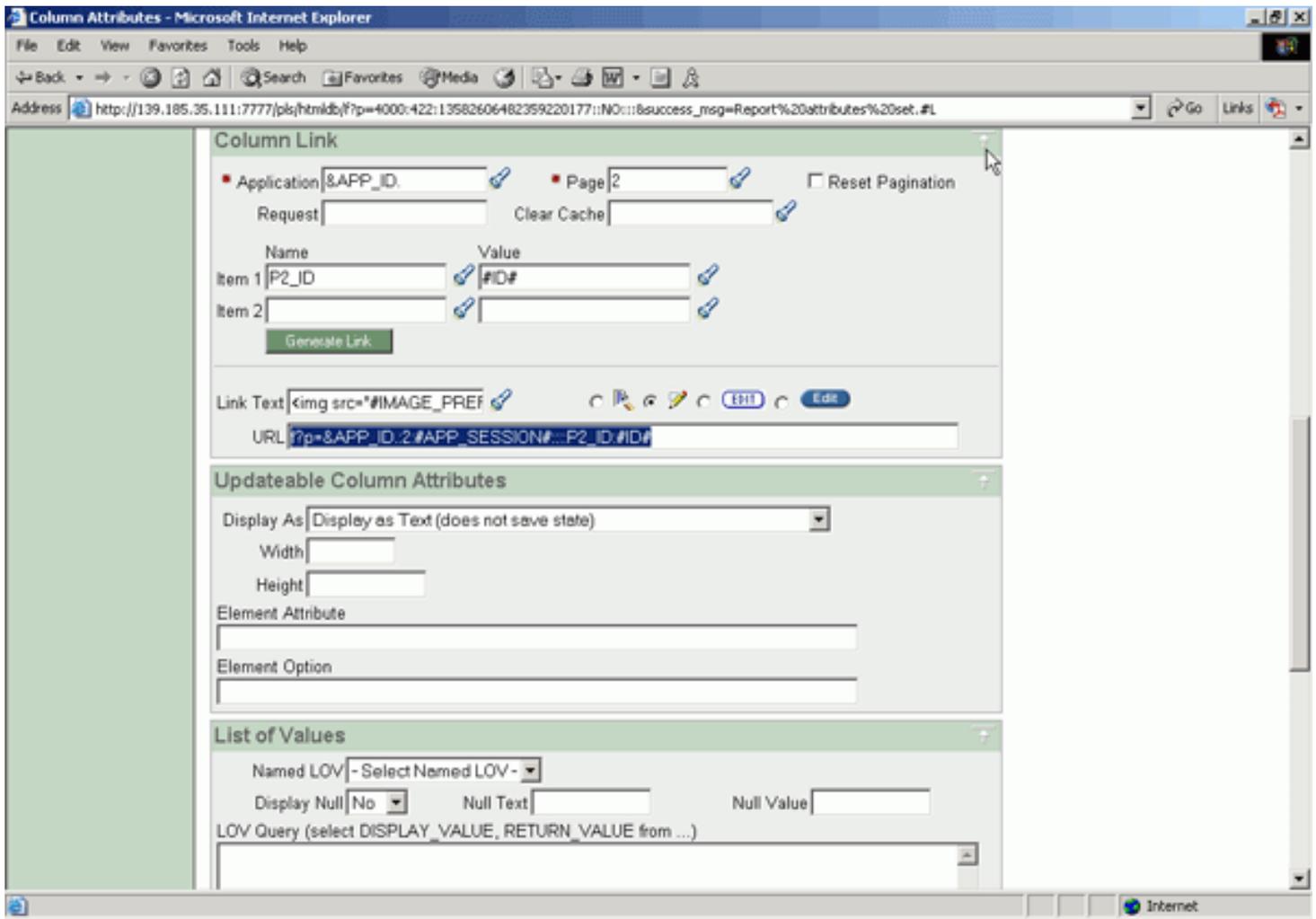
Click **Generate Link** .

11.



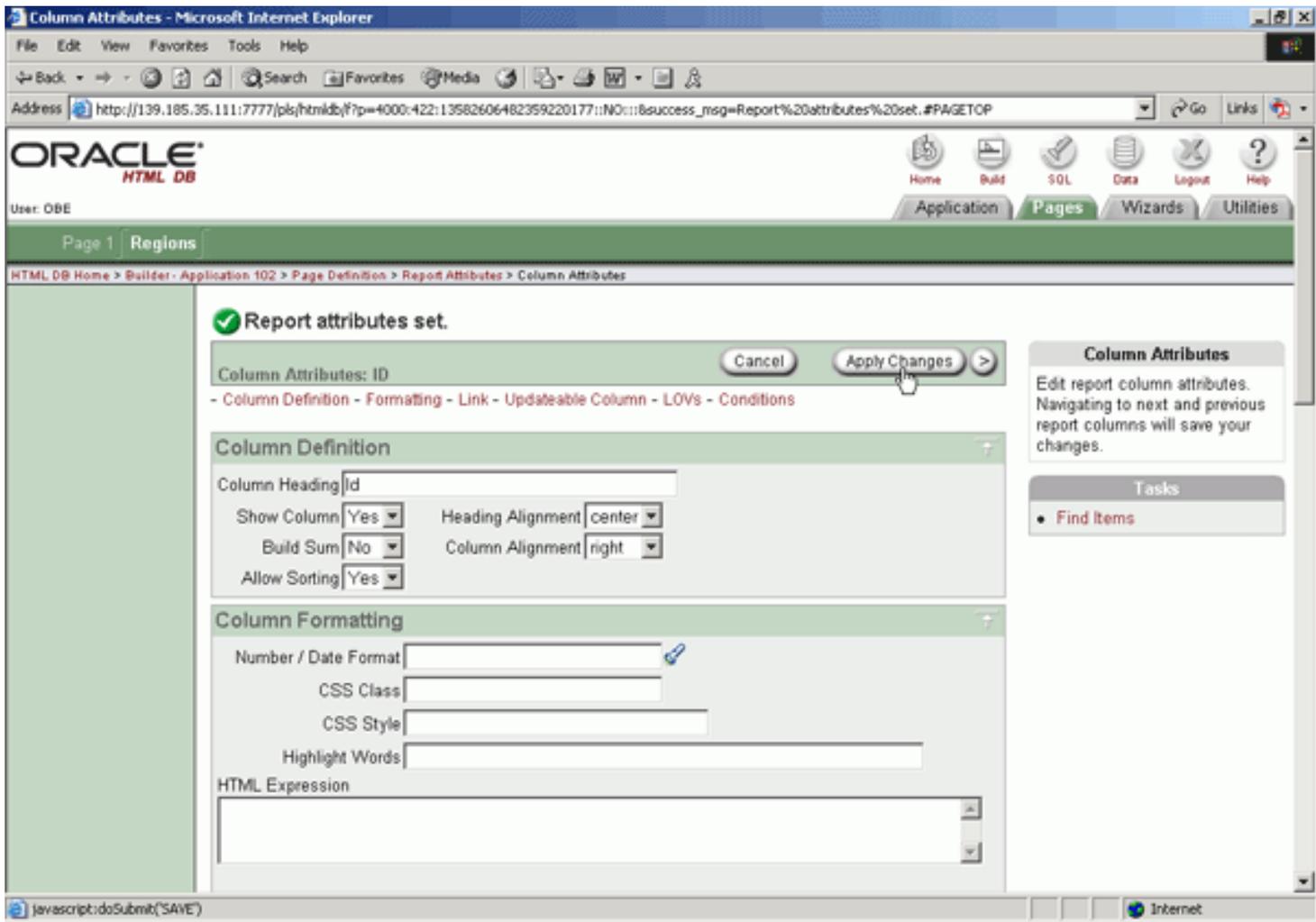
Click the **pencil edit** icon radio button. Then click **Top** .

12.



Click **Apply Changes** .

13.



Click **Page Definition** link.

14.

The screenshot shows the Oracle HTML DB interface for configuring report attributes. The main area is titled 'Report Column Attributes' and includes a 'Headings Type' section with radio buttons for 'Column Names', 'Column Names (InitCap)', 'Custom' (selected), 'PL/SQL', and 'None'. Below this is a table with the following columns: Alias, Edit, Heading, Column Align., Heading Align., Show, Sum, Sort, and Sort Sequence. The table contains the following data:

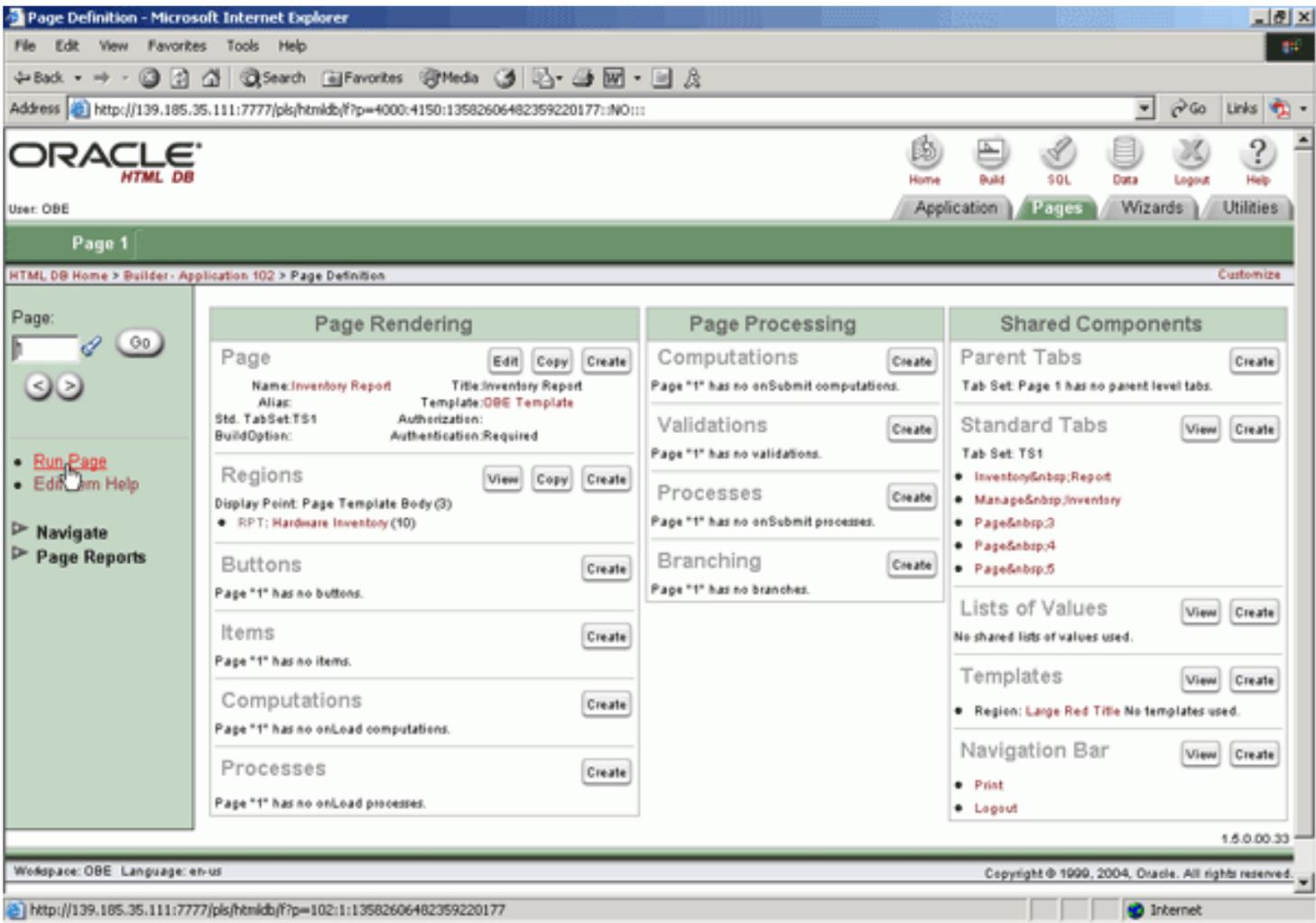
Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sort Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

The right sidebar contains a 'Report Attributes' section with explanatory text and a 'Tasks' section with the following items:

- Find Items
- Show Query Source
- Run this page

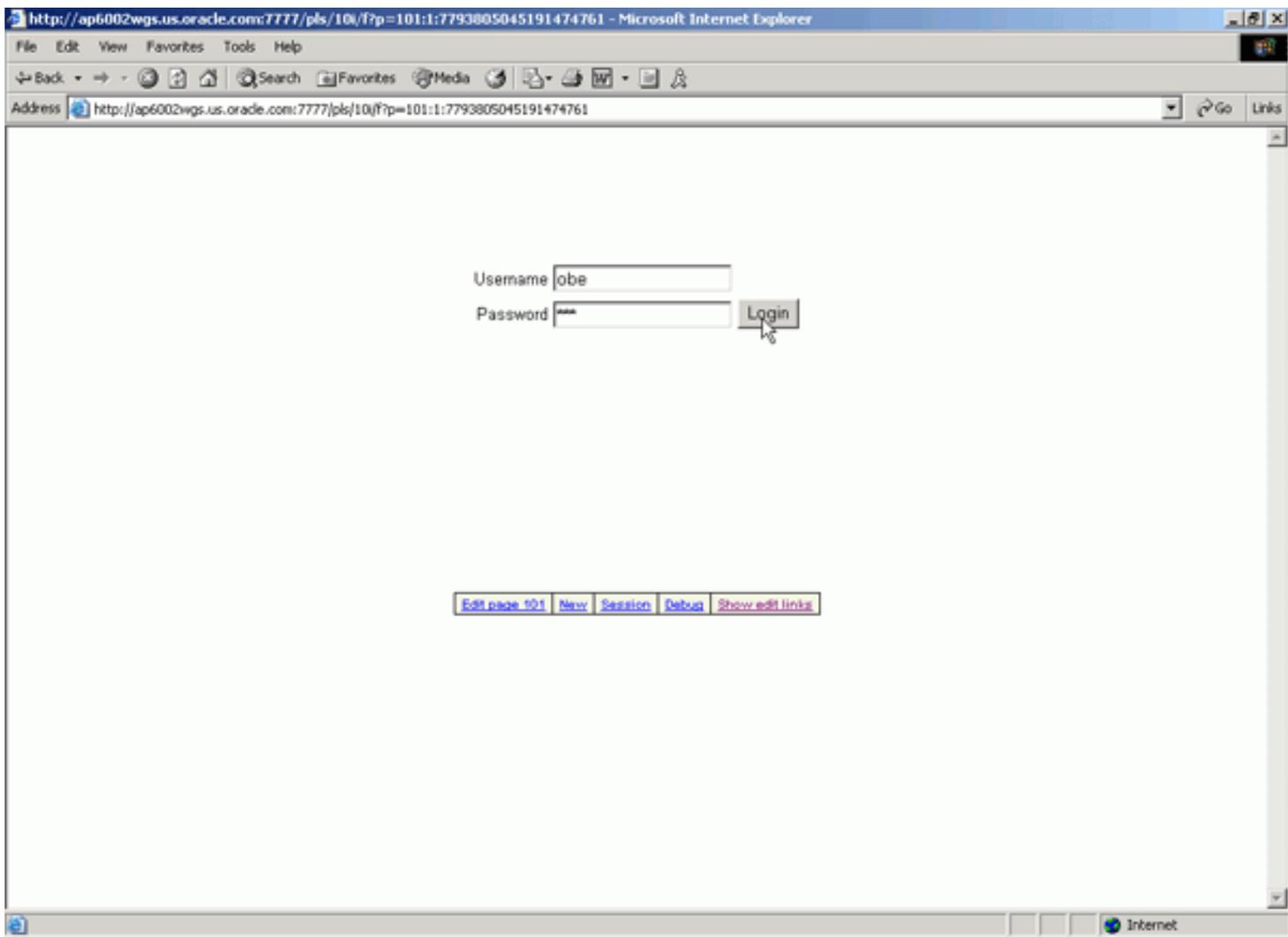
Click Run Page .

15.



If asked to login, login as **obe/obe** and click **Login** .

16.



Edit one of the items by clicking on the pencil edit icon.

17.

Inventory Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print

Address <http://139.185.35.111:7777/pls/htmldb/f?p=102:1:13582606482359220177> Go Links

ORACLE

Print Logout

OBE Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

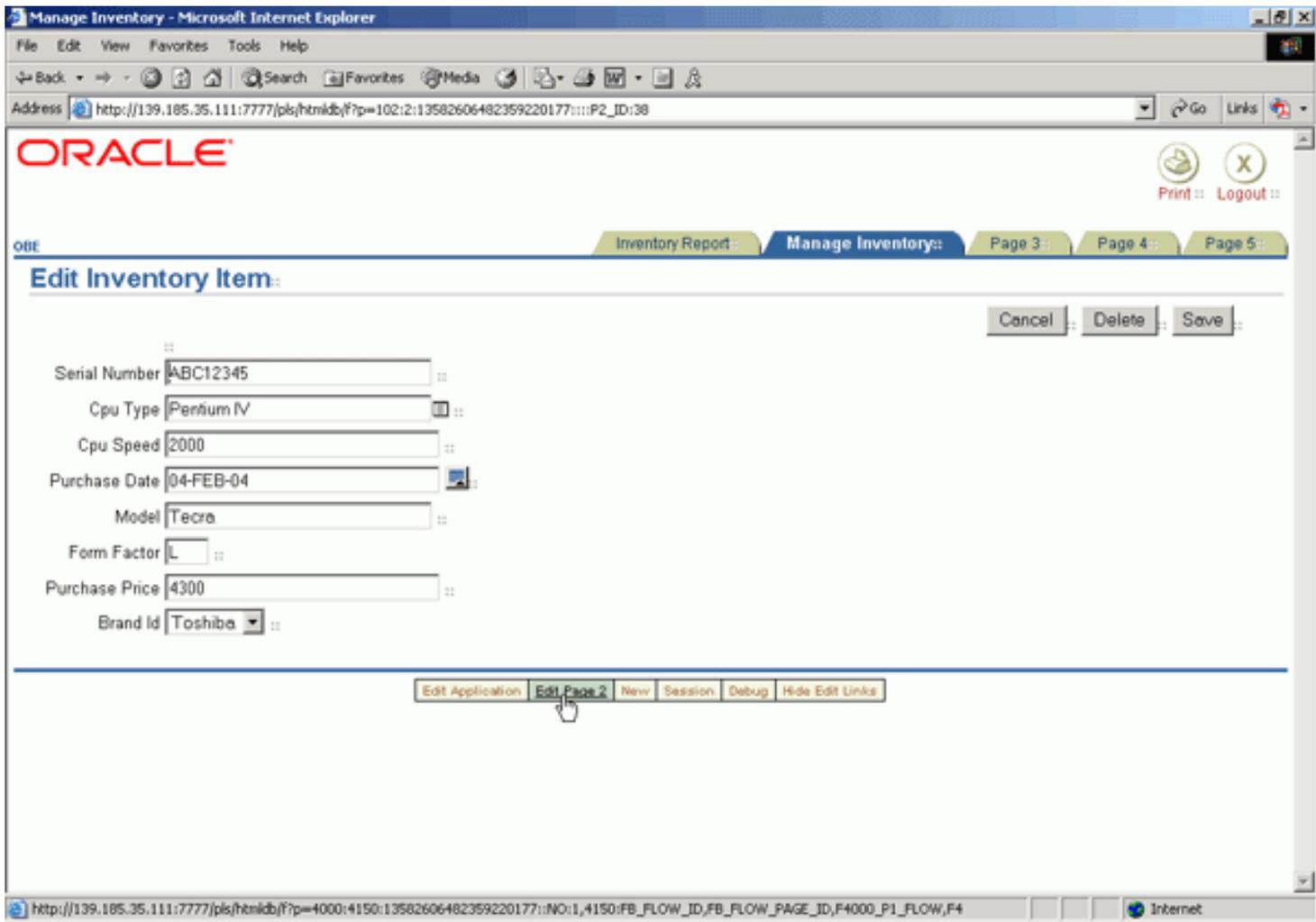
Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
FL4Q321		Dell	Pentium III	2400	10-DEC-02	GX260	D	6267
ABC12345		Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
HQMHC12		Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
H0980IUP296		Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
JKEW77U		Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
KLJH98798YUTU		Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
OKMND676		Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
DKBU4		Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
LKM7D9J		Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
3J17JZL1345		Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
9875H879		Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
8UJDSLKN		Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
W112FGHZ456		Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
QT6547PLPS		Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
QT21603PLP5		Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=102:2:13582606482359220177:::P2_ID:38 Internet

18. You notice that you are now on the Manage Inventory tab and the form is populated with the data for the item you selected. Click the **Edit page 2** link at the bottom of the window.

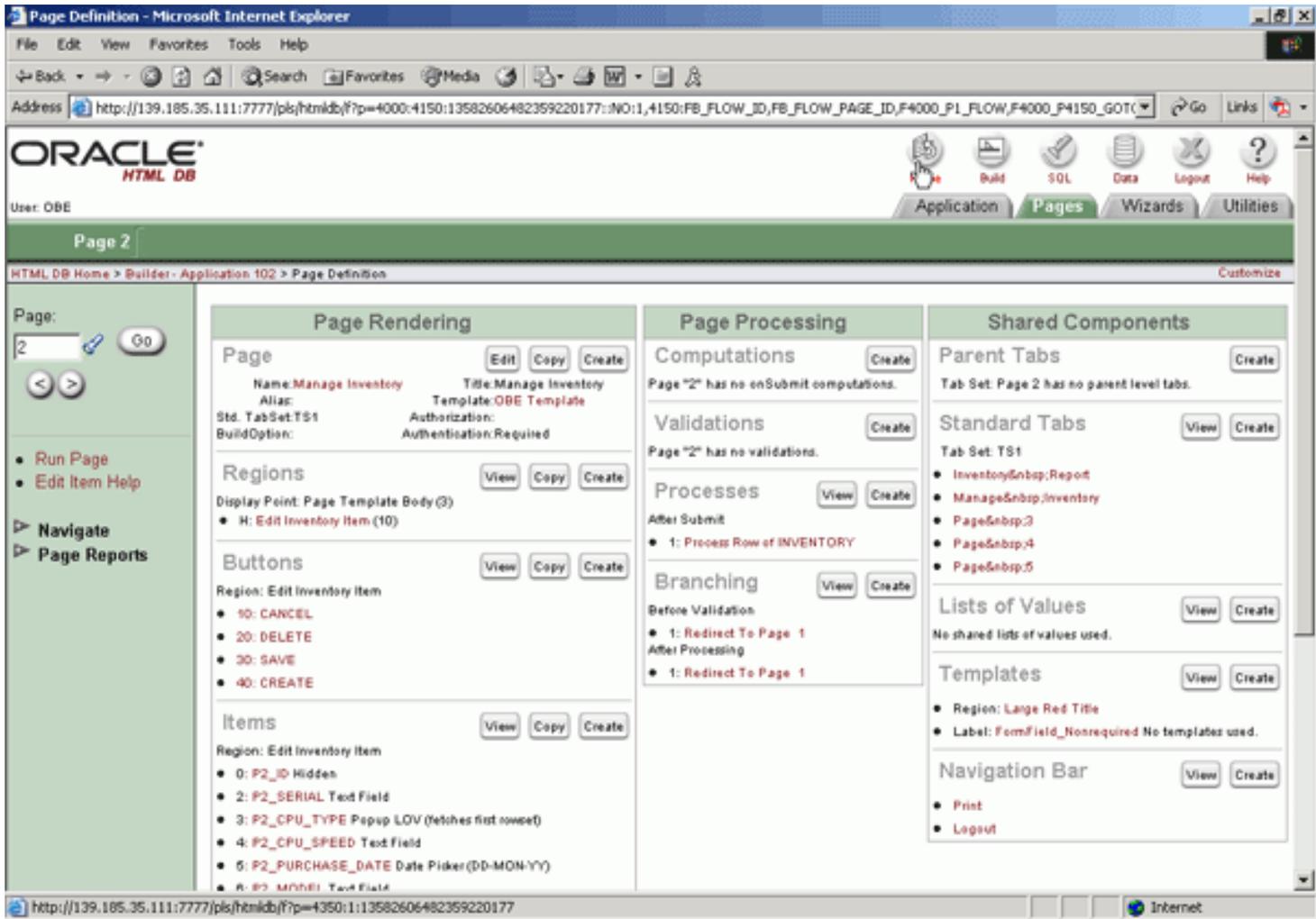


Creating Users

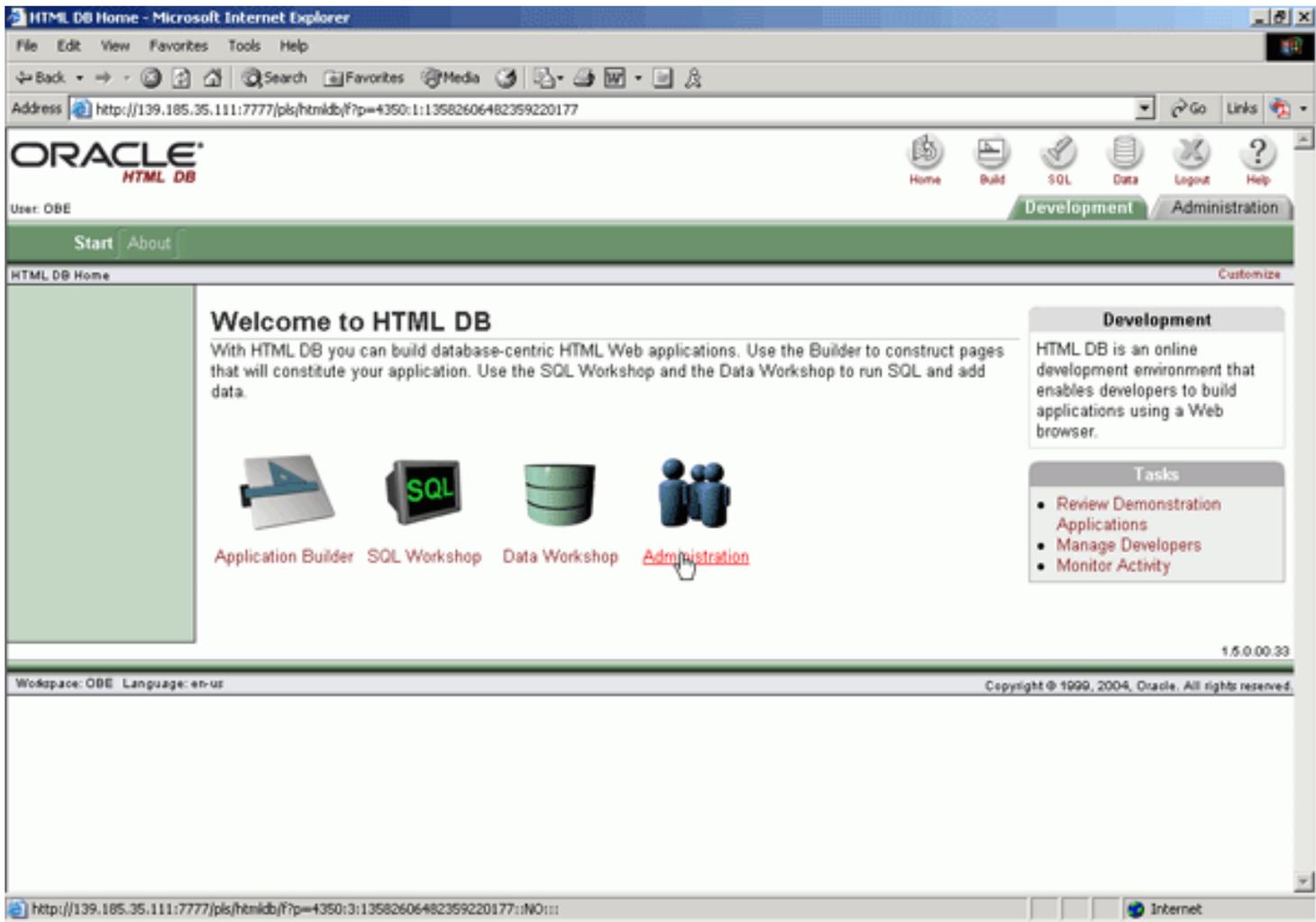
[Back to List](#)

In order to give access to certain areas in the application to certain people, you need to create some users. Perform the following:

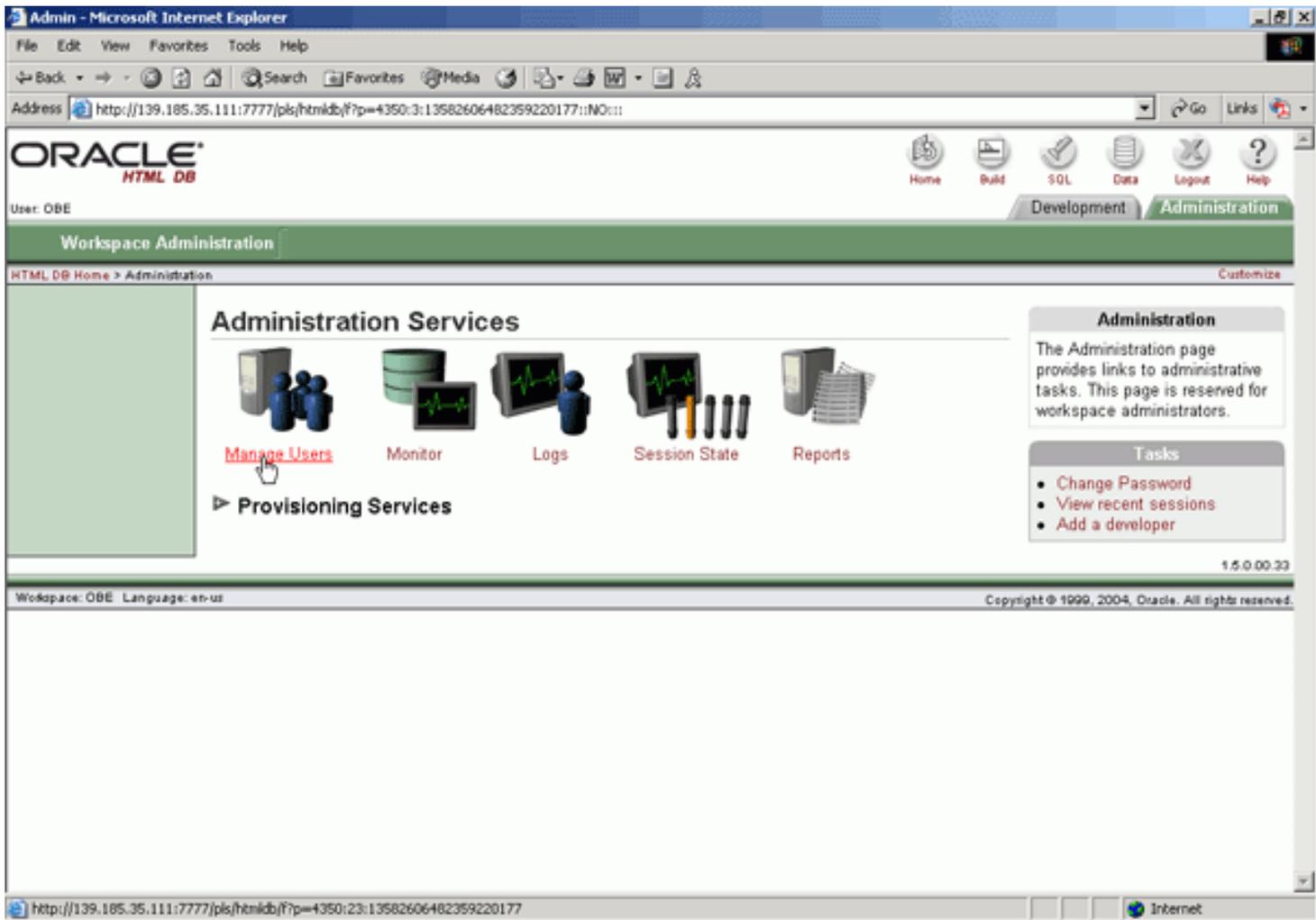
1. Click **Home** .



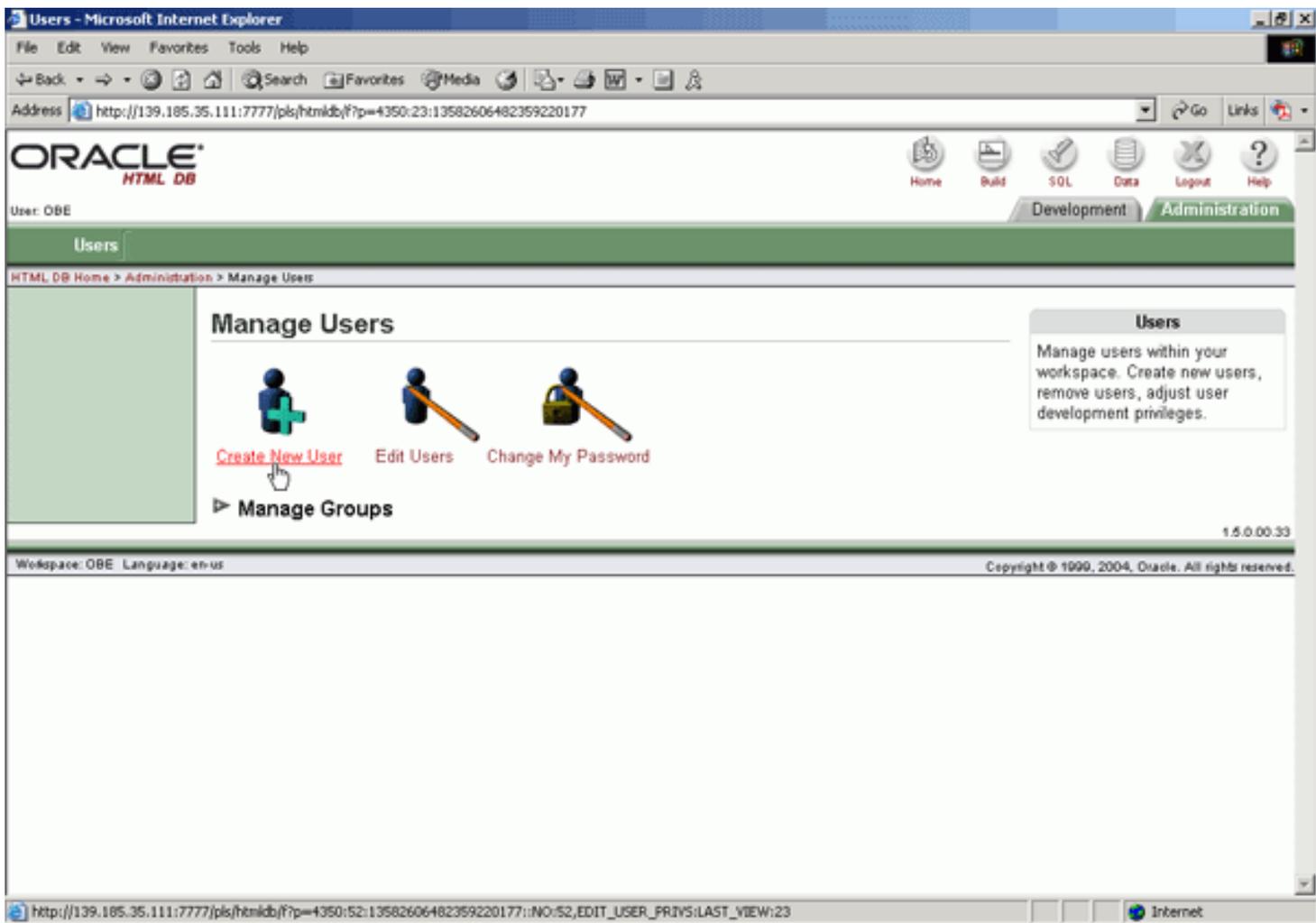
2. Click **Administration** .



3. Click **Manage Users** .



4. Click **Create New User** .



5. Enter the following information and then click **Create and Create Another** .

User Name: **Brad.Knight**

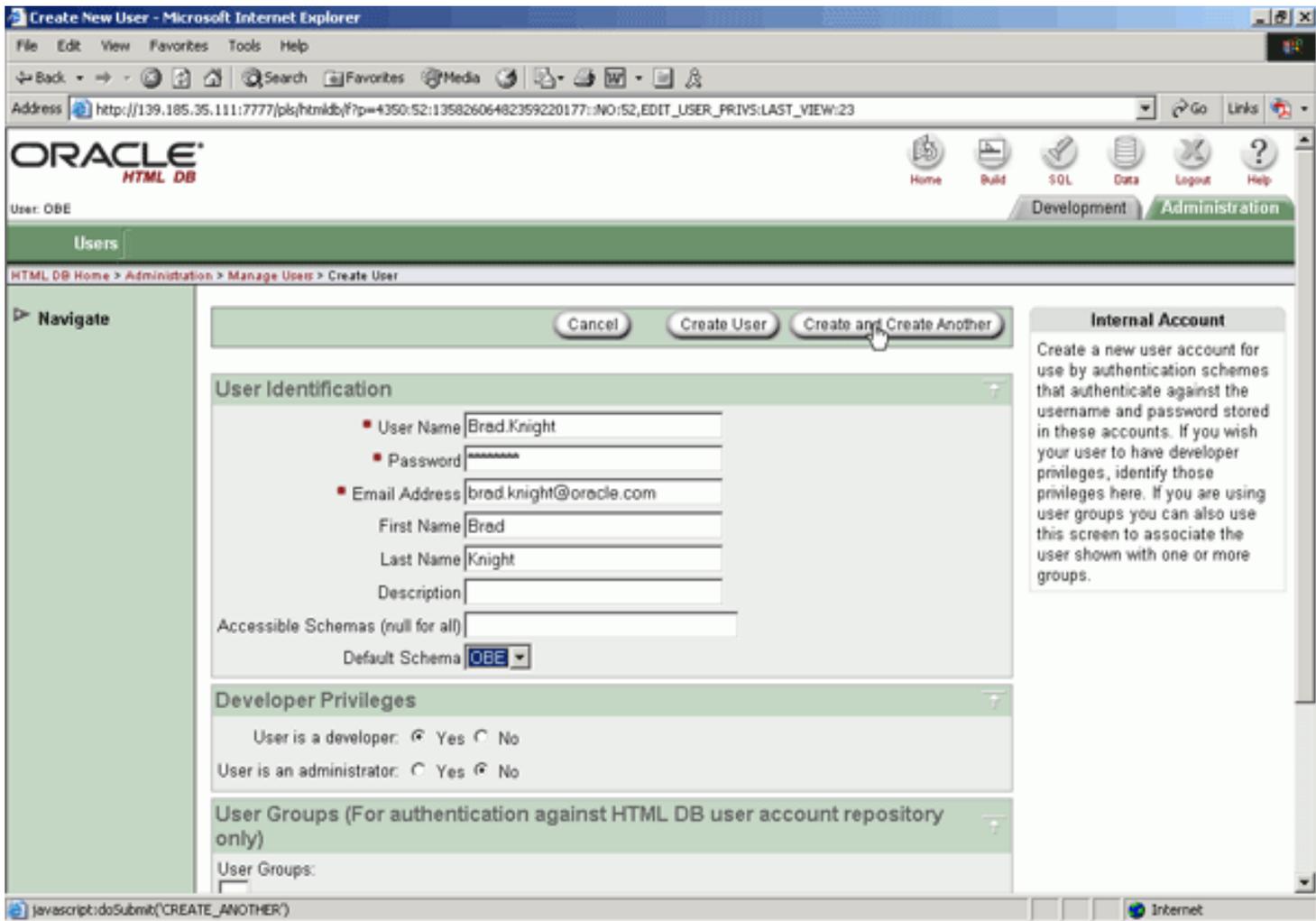
Password: **welcome1**

Email address: **brad.knight@oracle.com**

First Name: **Brad**

Last Name: **Knight**

Default Schema: **OBE**



6. Enter the following information and then click **Create and Create Another** .

User Name: **Susie.Parker**

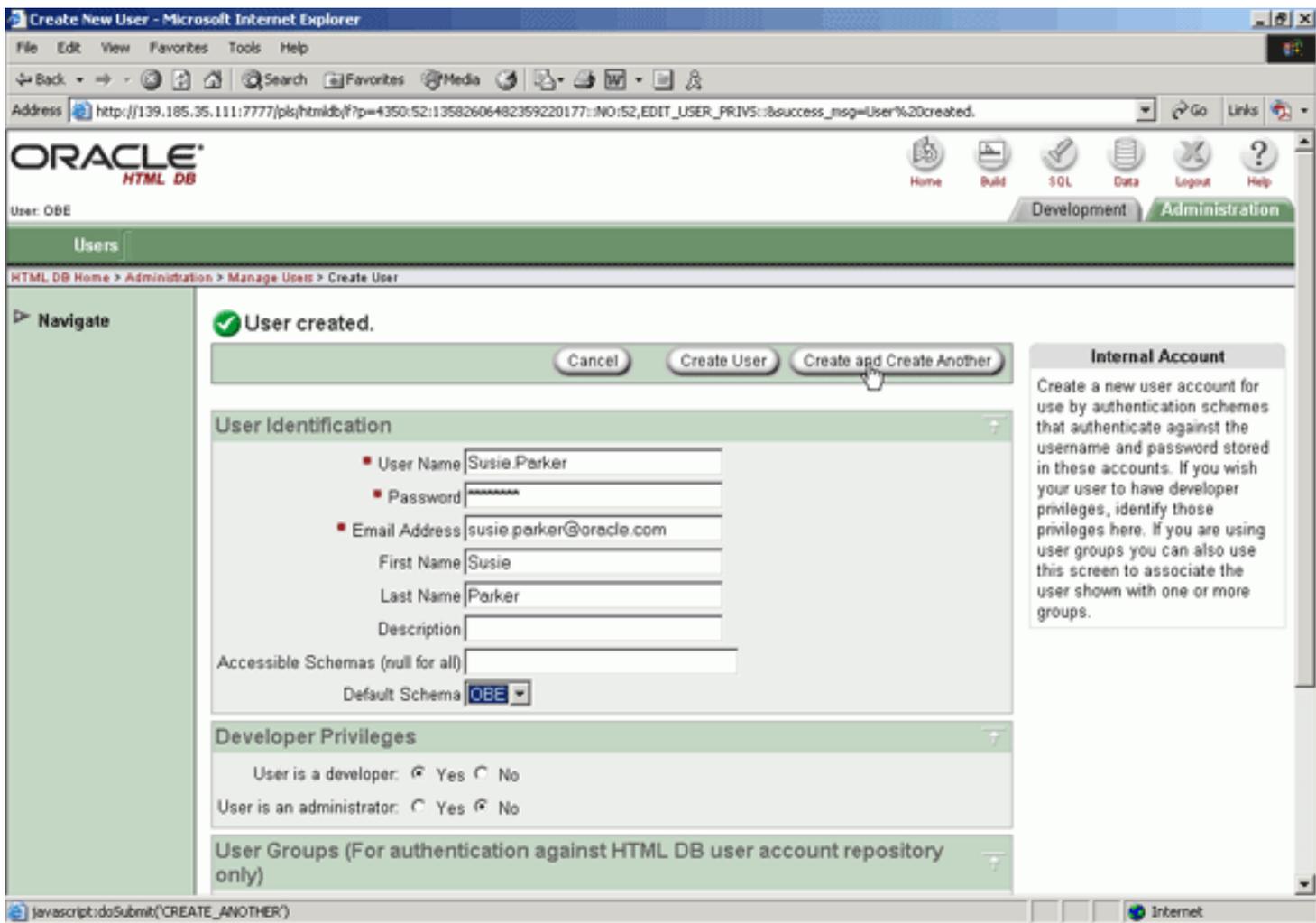
Password: **welcome1**

Email address: **susie.parker@oracle.com**

First Name: **Susie**

Last Name: **Parker**

Default Schema: **OBE**



7. Enter the following information and then click **Create User** .

User Name: **John.Bell**

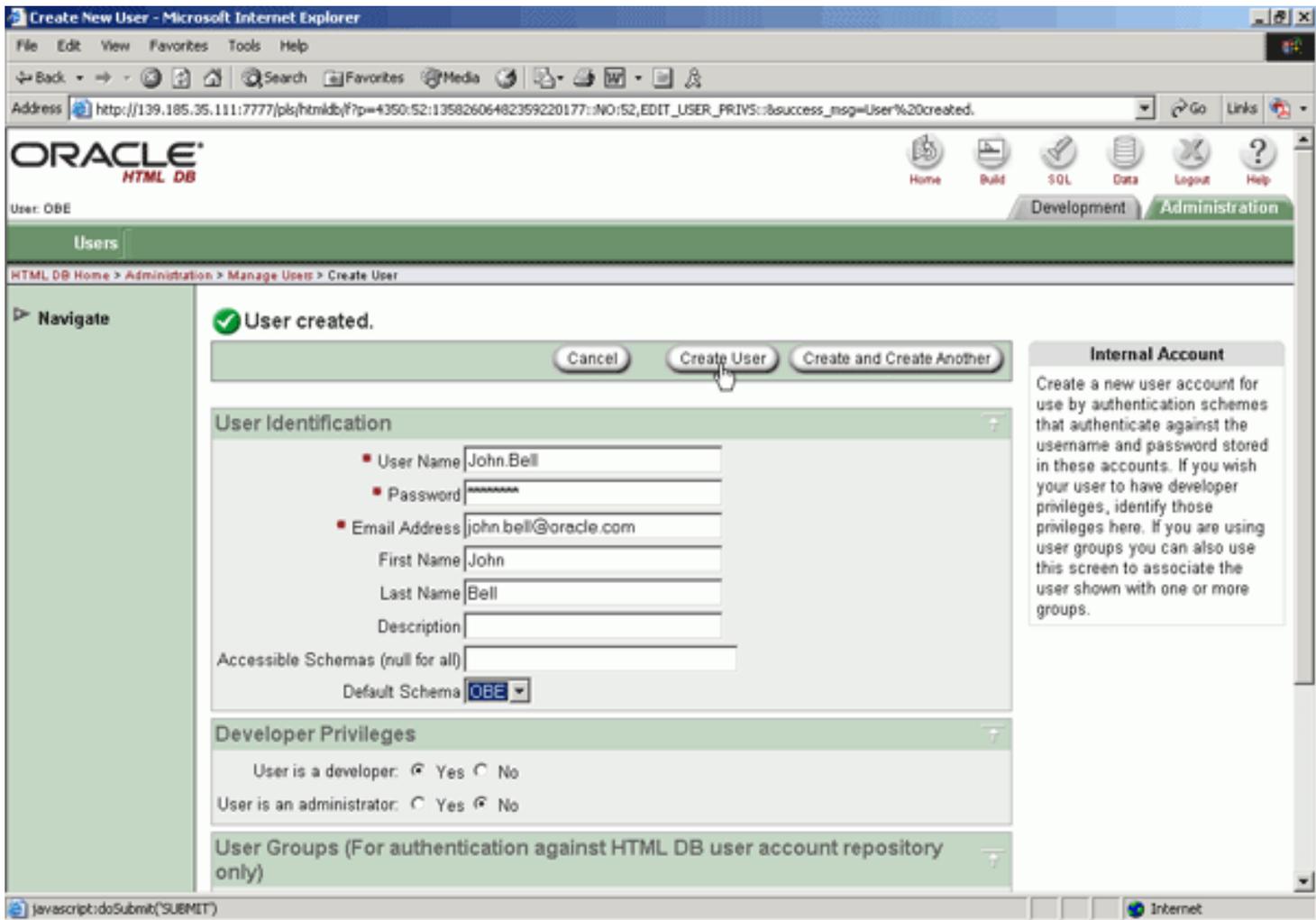
Password: **welcome1**

Email address: **john.bell@oracle.com**

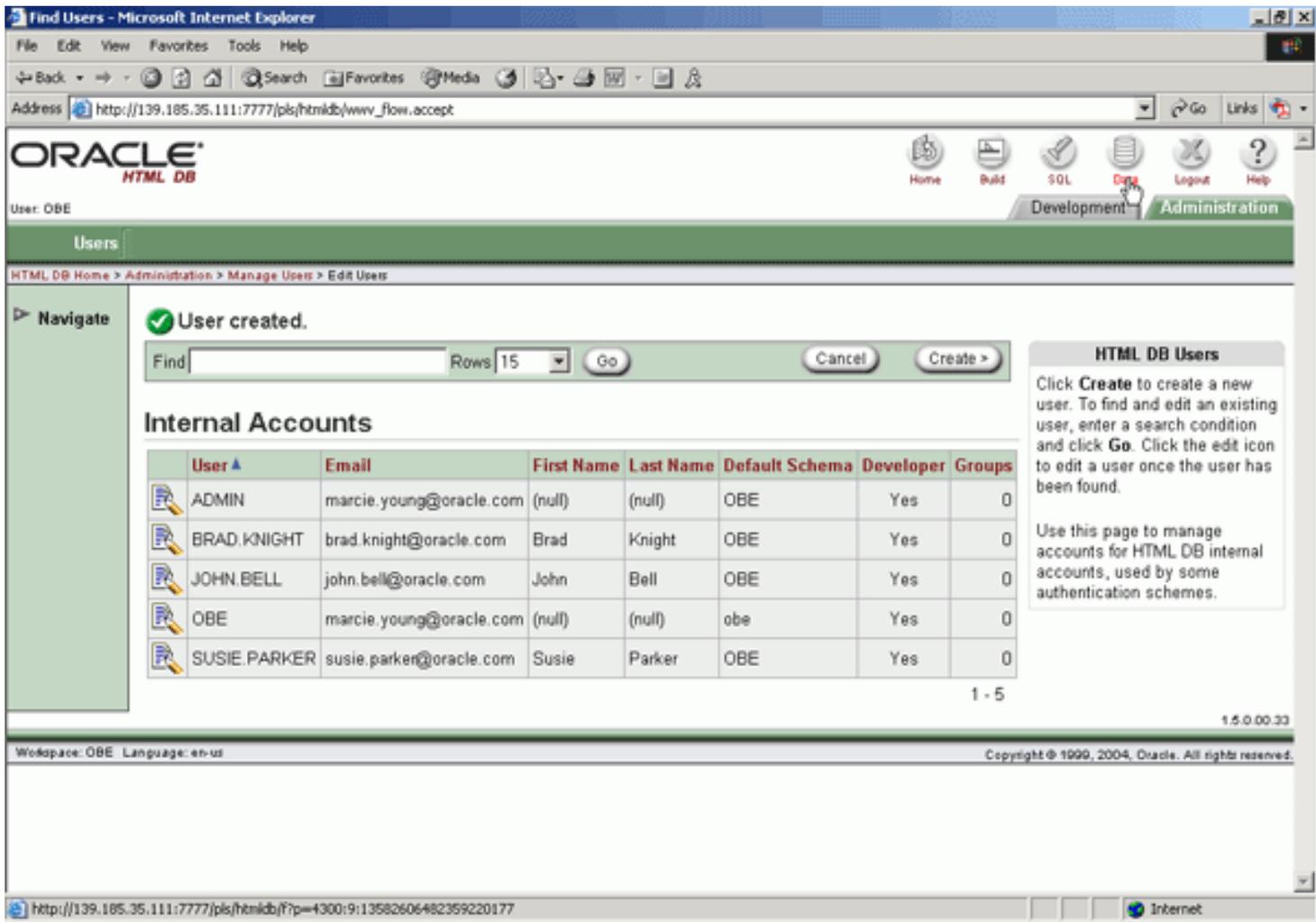
First Name: **John**

Last Name: **Bell**

Default Schema: **OBE**



8. The 3 users have been created. You will now setup administrator access to the application. Click **Data** .



Authorizing Users

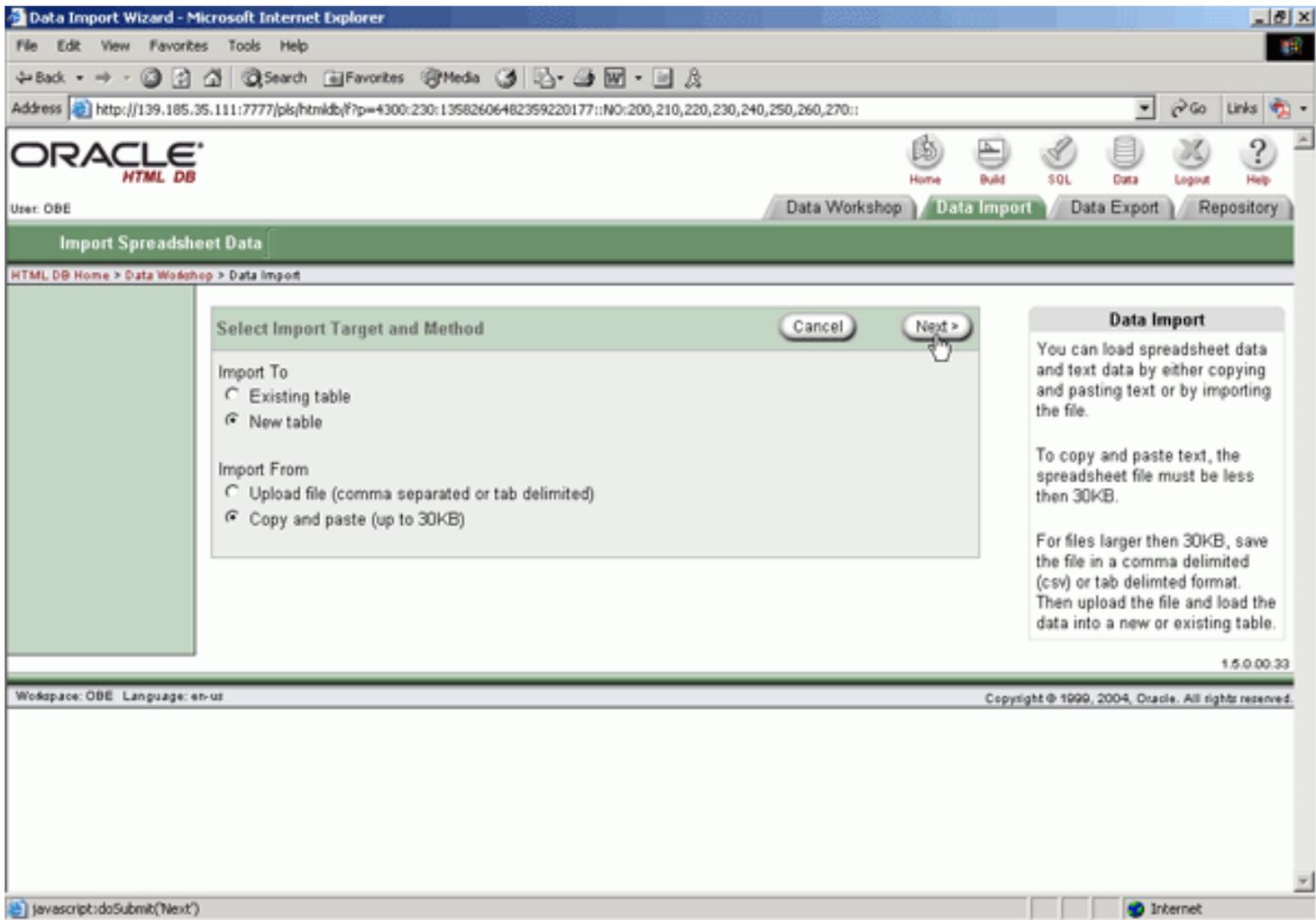
[Back to List](#)

Brad and Susie are administrators. They will be given the ability to update inventory data. John is not an administrator and will not be given this privilege. Perform the following:

1. Click **Import Spreadsheet Data**.

The screenshot displays the Oracle HTML DB Data Workshop interface. The browser window is titled "Data Home - Microsoft Internet Explorer". The address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/f?p=4300:9:13582606482359220177`. The Oracle logo and "HTML DB" are visible at the top left. The user is logged in as "OBE". The main navigation bar includes "Data Workshop", "Data Import", "Data Export", and "Repository". The "Data Import" section is active, showing options for "Import Text Data", "XML Data", and "Import Spreadsheet Data". The "Data Export" section shows options for "Export Text Data" and "XML Export". A "Data Workshop" sidebar on the right provides instructions on importing and exporting data. The footer includes "Workspace: OBE Language: en-us", "Copyright © 1999, 2004, Oracle. All rights reserved.", and the version "1.5.0.00.23". The status bar at the bottom shows the full URL and "Internet".

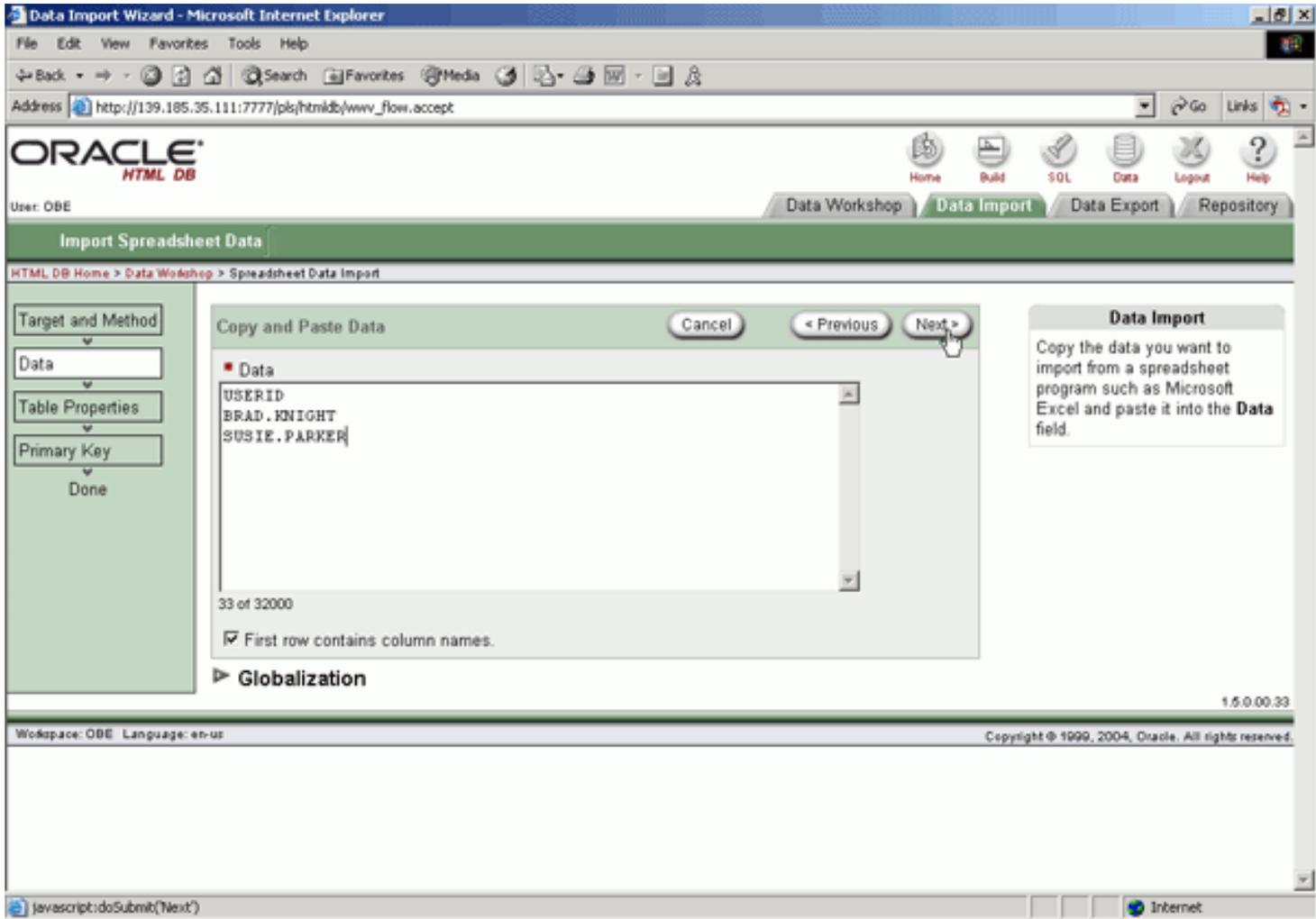
2. You will create a new table that will contain a list of users who are administrators. Click **Next** to accept the defaults.



3. Select the following text and click **ctrl-c**.

**USERID
BRAD.KNIGHT
SUSIE.PARKER**

- Switch back to HTML DB and click in the Data area and click **ctrl-v** to paste the list of users. Then click **Next** .



- Enter **admins** for the table name and click **Next** .

Data Import Wizard - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/www_flow.accept

ORACLE
HTML DB

User: OBE

Data Workshop Data Import Data Export Repository

Import Spreadsheet Data

HTML DB Home > Data Workshop > Spreadsheet Data Import

Target and Method
Data
Table Properties
Primary Key
Done

Table Information

Schema: OBE
Table Name: admins Preserve Case

Set Table Properties

Column Names: USERID
Data Type: VARCHAR2
Format:
Column Length: 30
Upload: Yes
Row 1: BRAD KNIGHT
Row 2: SUSIE PARKER

Data Import

This page previews how your table will look. You can modify the suggested table name, change the column names or data types, or specify which columns to include.

When you are finished, click **Next** to define the primary key.

Cancel < Previous Next >

1.5.0.00.33

Workspace: OBE Language: en-us Copyright © 1999, 2004, Oracle. All rights reserved.

javascript:doSubmit('Next') Internet

6. Click **Import Data** to create the table and load the data.

The screenshot shows the Oracle Data Import Wizard interface in a Microsoft Internet Explorer browser window. The browser's address bar shows the URL: `http://139.185.35.111:7777/pls/htmldb/www_flow.accept`. The Oracle logo and "HTML DB" text are visible at the top left. The user is identified as "OBE". The navigation tabs include "Data Workshop", "Data Import" (which is active), "Data Export", and "Repository".

The main content area is titled "Import Spreadsheet Data" and contains a breadcrumb trail: "HTML DB Home > Data Workshop > Spreadsheet Data Import". On the left, a vertical navigation pane shows steps: "Target and Method", "Data", "Table Properties", "Primary Key" (which is the current step), and "Done".

The "Define Primary Key" dialog box is open, showing the following configuration:

- Schema: **OBE**
- Table Name: **ADMINS**
- Primary Key From: Use an existing column, Create new column
- New Primary Key Column:
- Constraint Name:
- Primary Key Population: Generated from a new sequence, Generated from an existing sequence, Not generated
- Sequence:

Buttons at the top of the dialog include "Cancel", "< Previous", and "Import Data". A mouse cursor is pointing at the "Import Data" button. To the right of the dialog, a "Spreadsheet Data Import" help box contains the text: "Use this page to add one or more primary keys. Do not add more than one primary key unless absolutely necessary. To import data and create a new table, click **Import Data**."

At the bottom of the page, the workspace is "OBE", the language is "en-us", and the copyright notice reads "Copyright © 1999, 2004, Oracle. All rights reserved." The version number "1.5.0.00.33" is also visible. The browser's status bar shows "javascript:doSubmit('Finish')".

7. Click **Build** to return to your application.

The screenshot shows the Oracle HTML DB Spreadsheet Import Repository web application. The browser window title is "Spreadsheet Import Repository - Microsoft Internet Explorer". The address bar shows the URL: http://139.185.35.111:7777/pls/htmldb/www_flow.accept. The page header includes the Oracle logo and "HTML DB". The user is identified as "User: OBE". The navigation menu includes "Data Workshop", "Data Import", "Data Export", and "Repository". The "Data Import" tab is selected.

The main content area is titled "Text Data Import" and "Spreadsheet Import". Below this, there is a breadcrumb trail: "HTML DB Home > Data Workshop > Spreadsheet Data Import".

There is a search bar with "Show My Load Files" and a "Go" button. A "Delete Checked" button is also present.

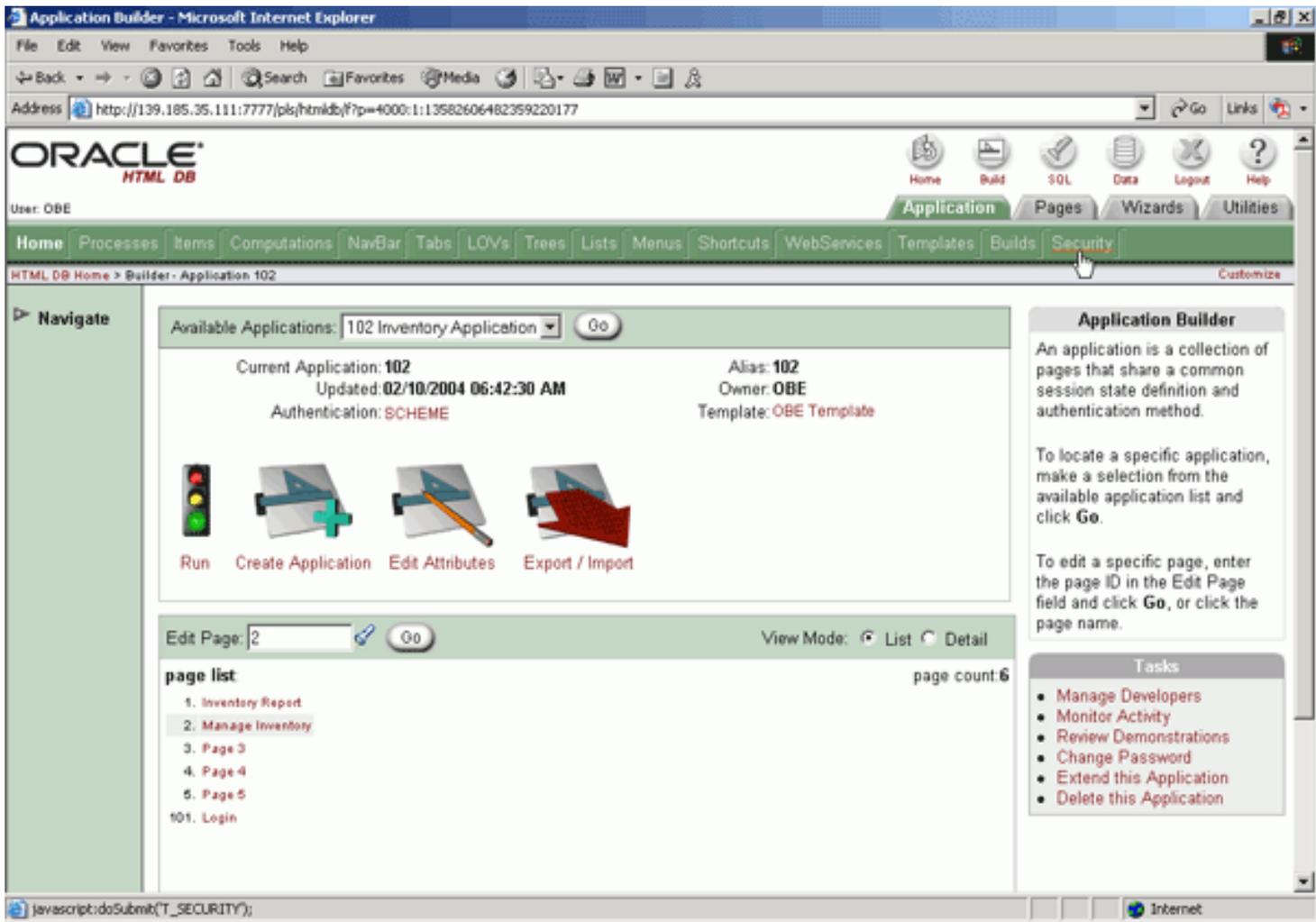
The "Files" section displays a table with the following data:

	Created	Created On	Type	Schema	Table	Succeeded	Failed
<input type="checkbox"/>	OBE	02/10/2004 07:17:03 AM	Spreadsheet Import	OBE	ADMINS	2	0
<input type="checkbox"/>	OBE	02/09/2004 09:08:25 AM	Spreadsheet Import	OBE	INVENTORY	37	0

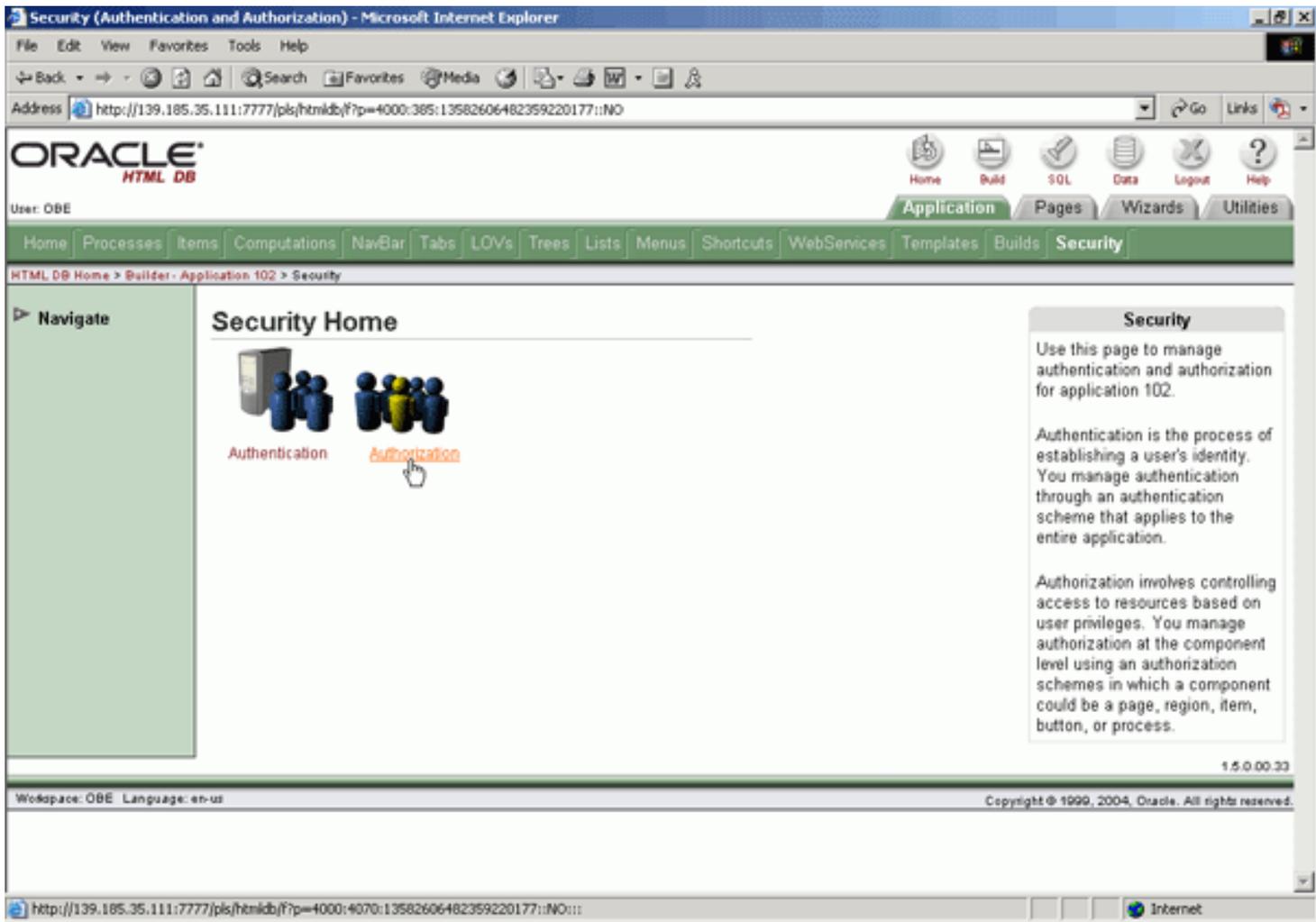
Below the table, the number "12" is displayed. To the right, there is a "Data Load Repository" section with the text: "This page displays the status of loaded Spreadsheet data." and "To remove previously loaded data, select it and click **Delete Checked**."

The footer of the page includes "Workspace: OBE Language: en-us" and "Copyright © 1999, 2004, Oracle. All rights reserved." The browser status bar shows the URL: <http://139.185.35.111:7777/pls/htmldb/f?p=4000:1:13582606482359220177> and "Internet".

- You need to create an admin authorization. Click the **Security** sub-tab.

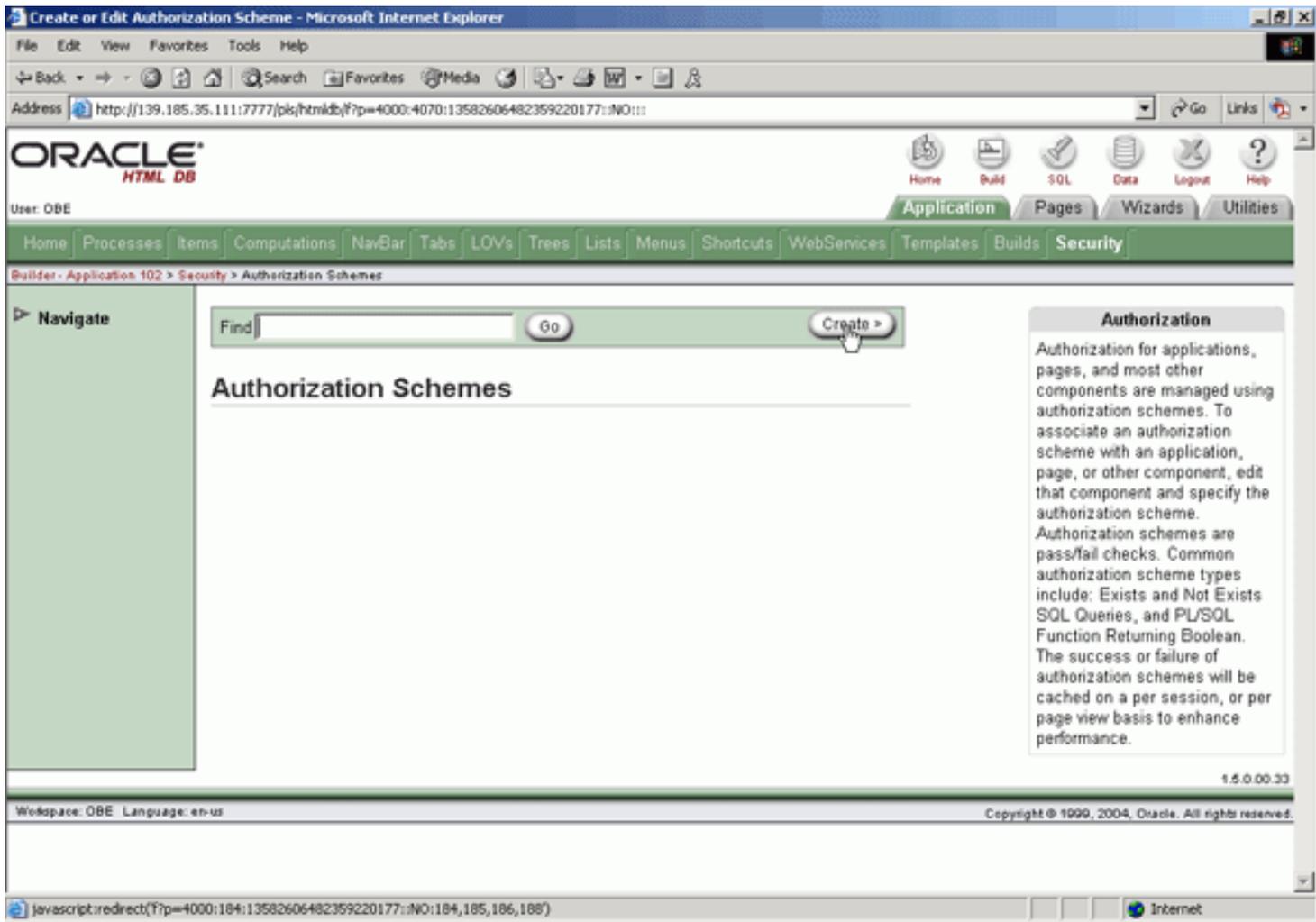


9. Click **Authorization** .



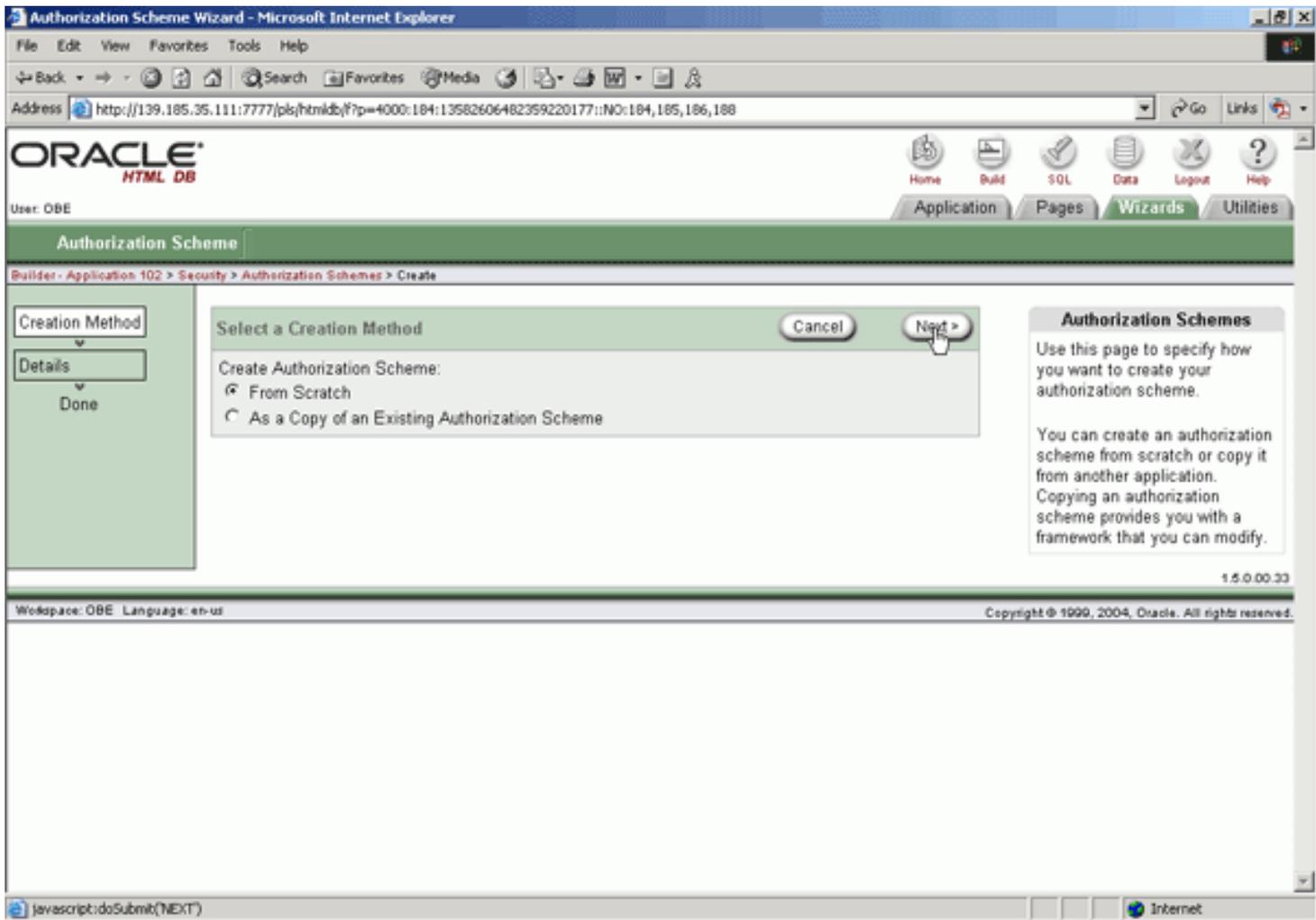
You need to create an authorization scheme. Click **Create** .

10.



Click **Next** .

11.



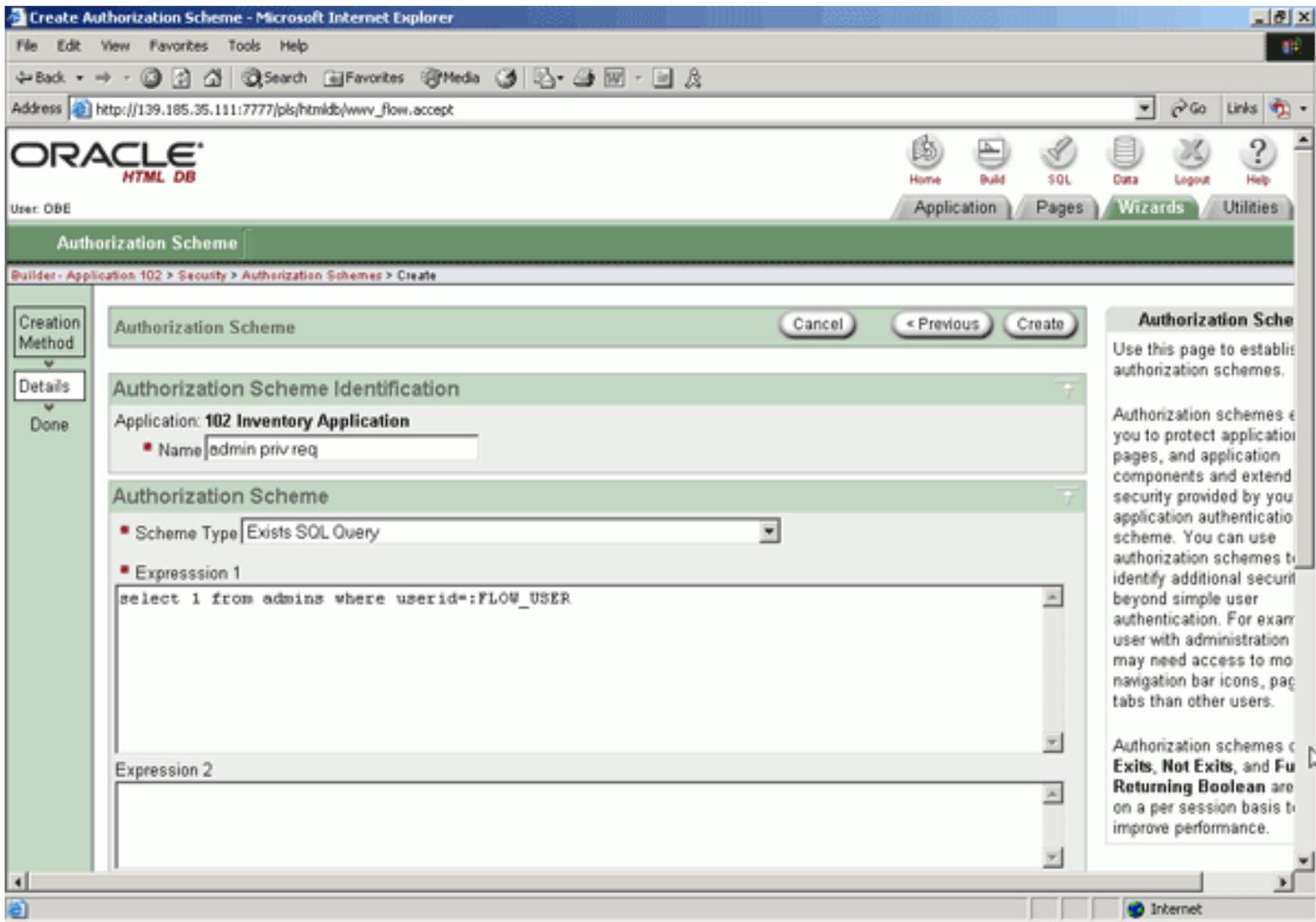
Enter the following and **scroll down** .

12.

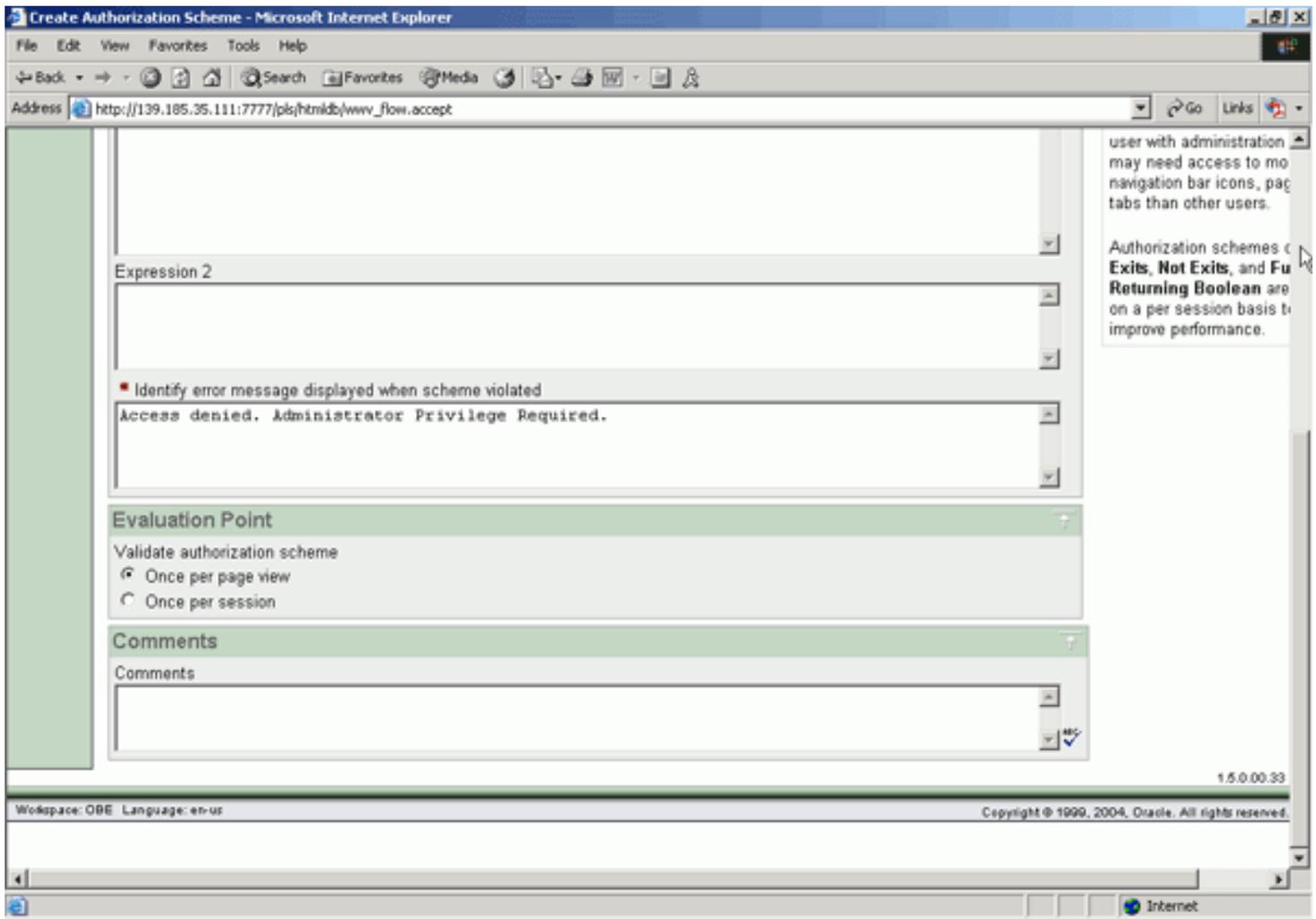
Name: **admin priv req**

Scheme Type: **Exists SQL Query**

Expression 1: **select 1 from admins where userid=:FLOW_USER**

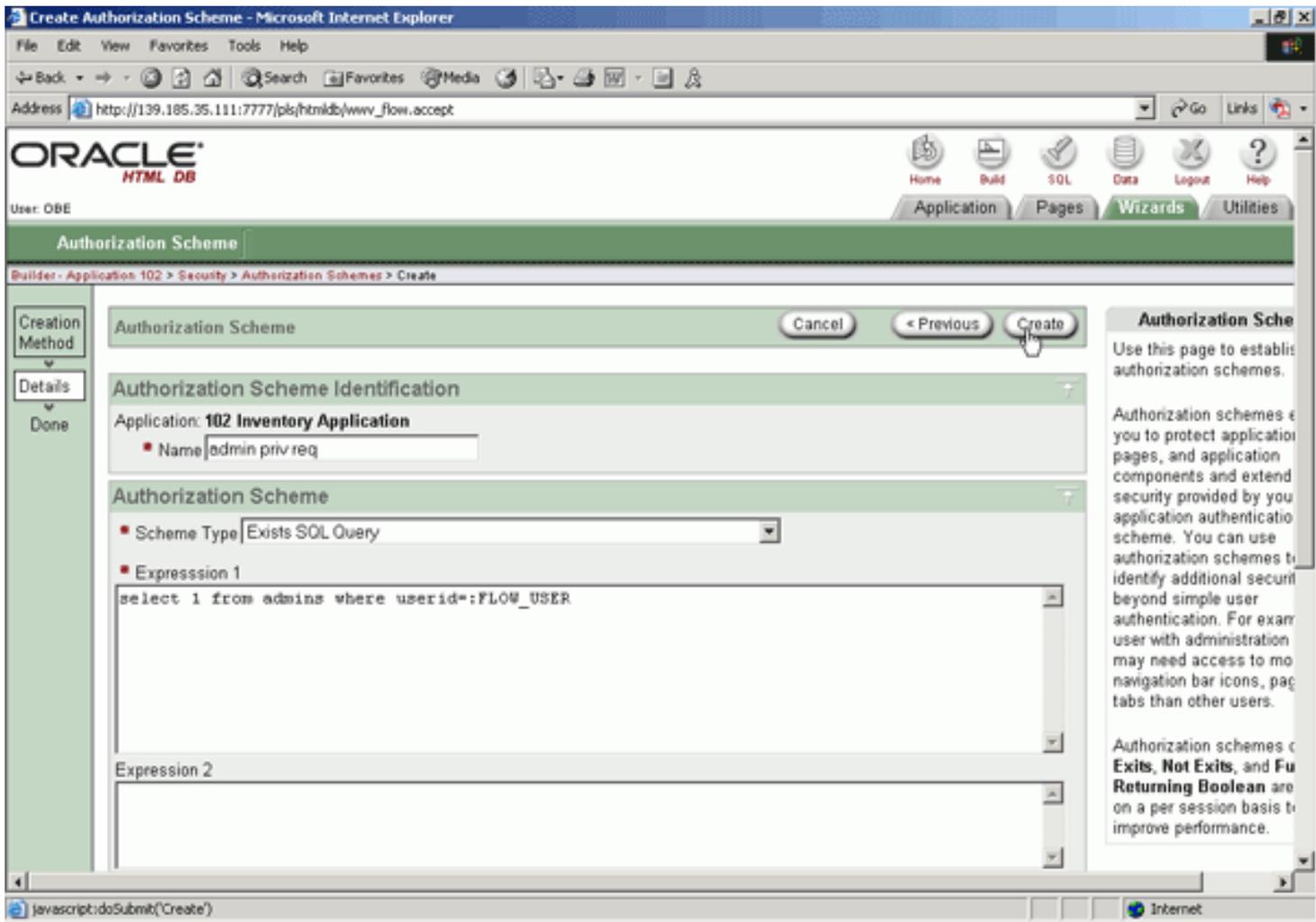


13. Enter **Access denied. Administrator Privilege Required.** for Identify error message displayed when scheme violated and **scroll up** .

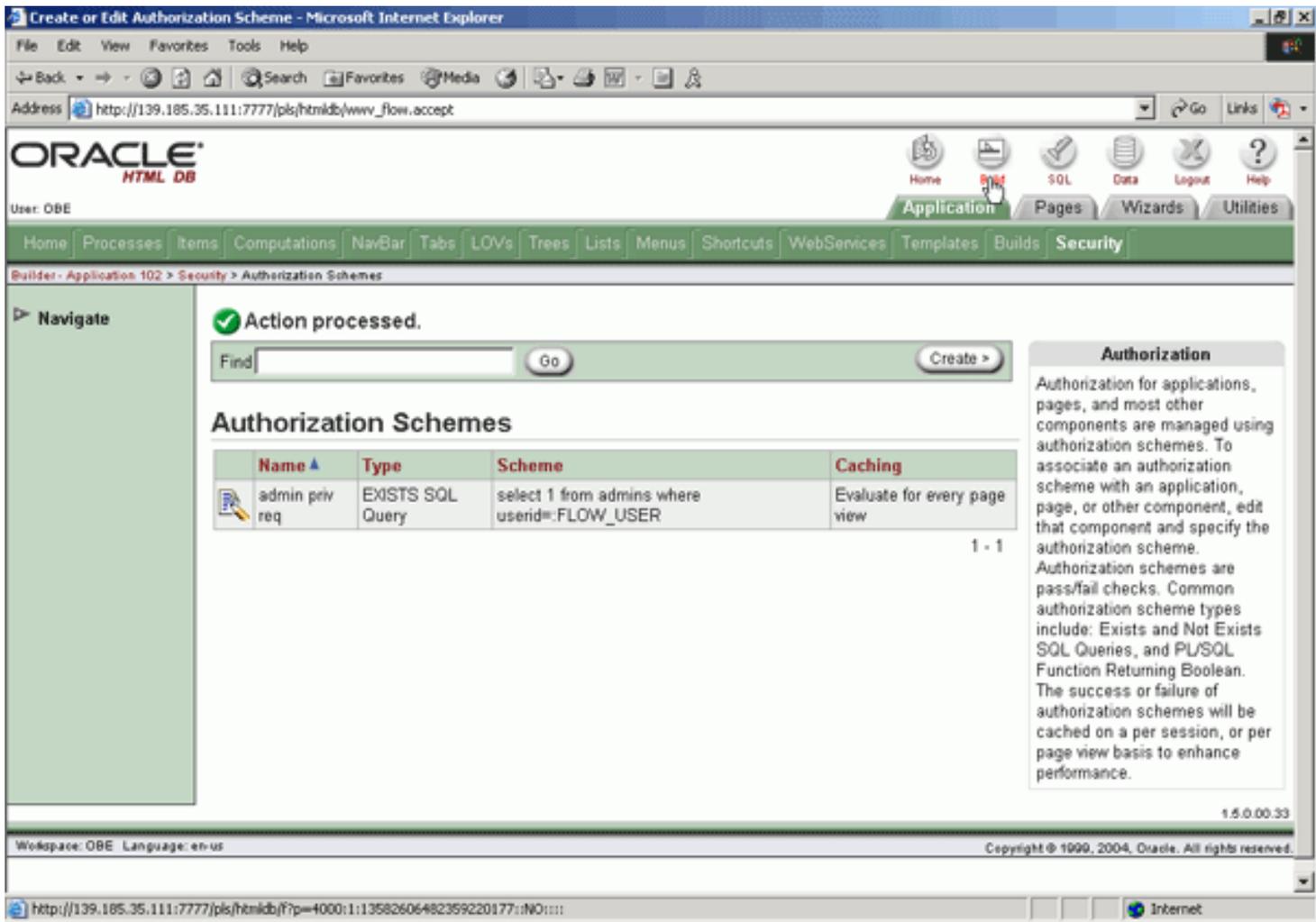


Click **Create** .

14.

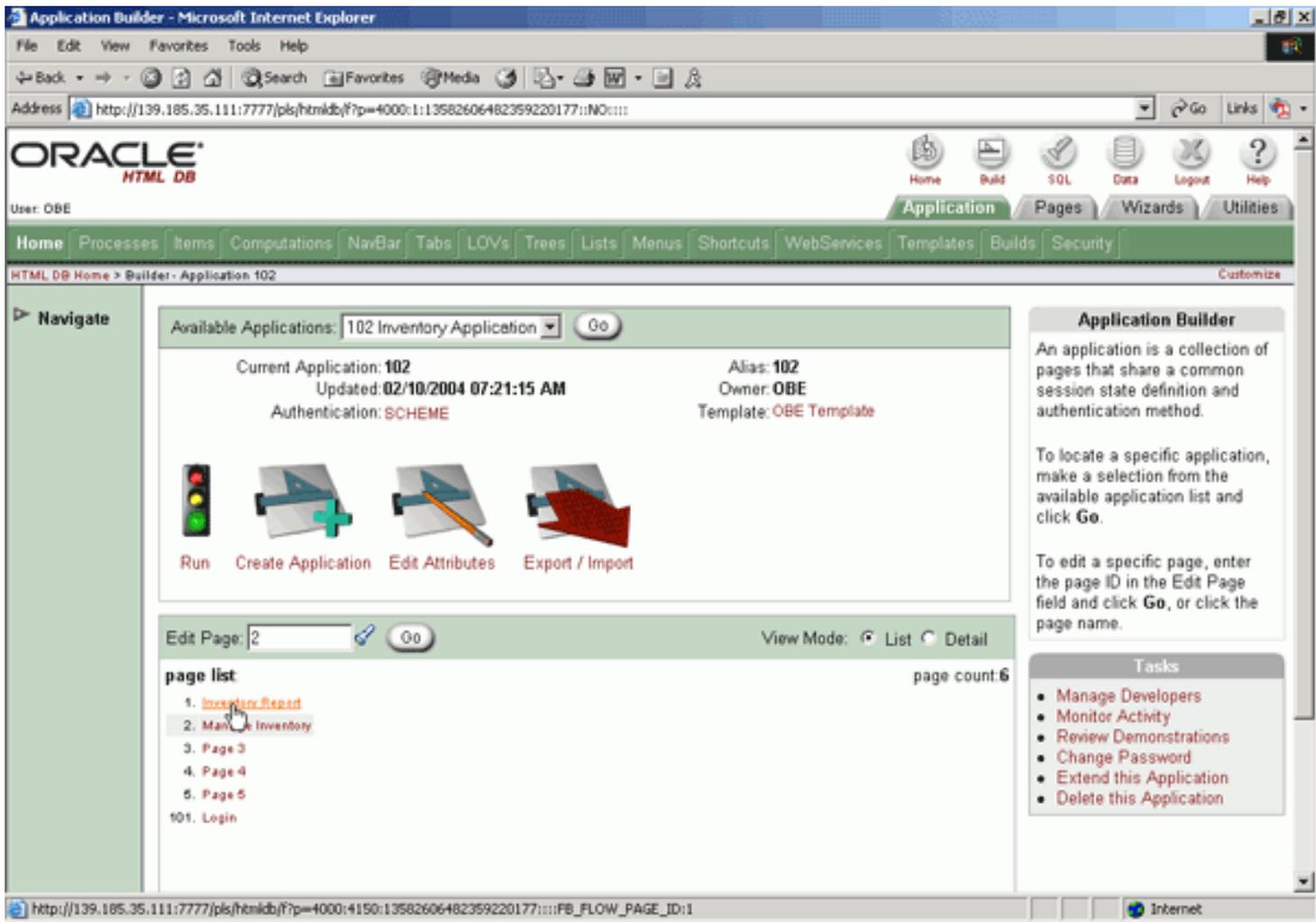


15. Your scheme has been created. Now you will associate the scheme for the ID (Edit) column on the Hardware Inventory Report. Click **Build** .



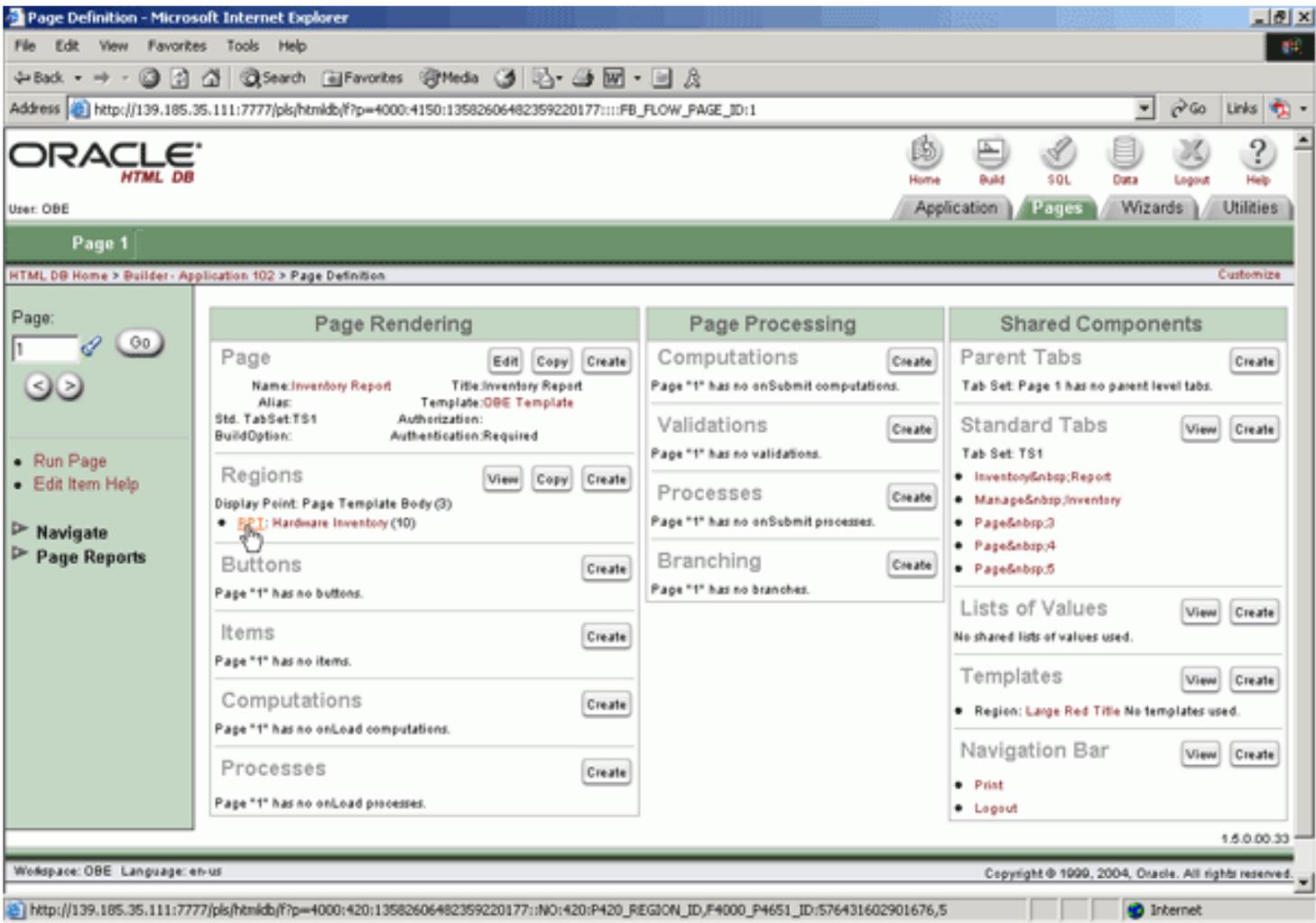
Click your page 1. **Inventory Report.**

16.



Click **RPT** to update the attributes for the Hardware Inventory region.

17.



Click the **Edit** icon next to ID.

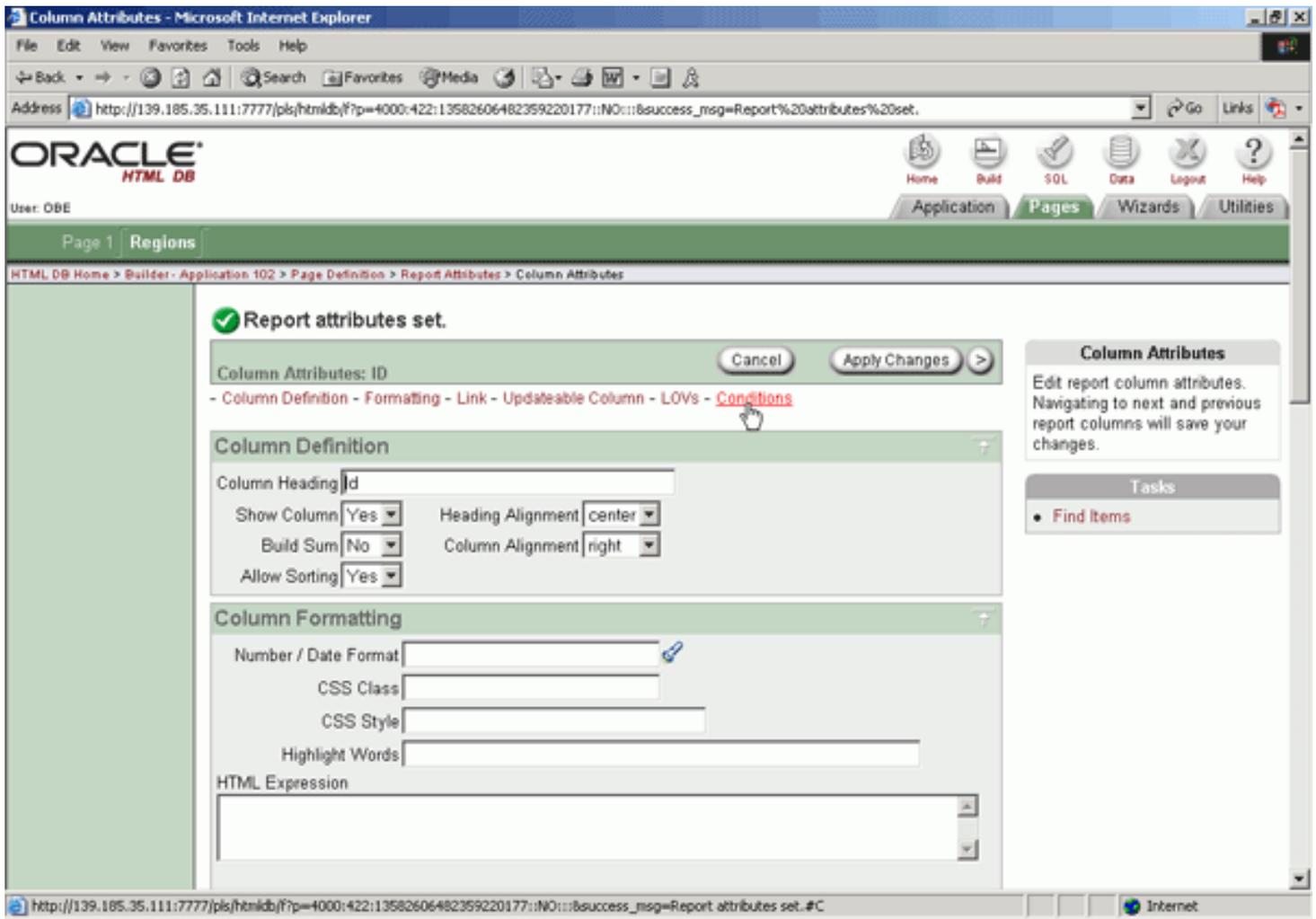
18.

The screenshot shows the Oracle HTML DB interface for configuring report attributes. The main area is titled 'Report Column Attributes' and includes a 'Headings Type' section with radio buttons for 'Column Names', 'Column Names (InitCap)', 'Custom' (selected), 'PL/SQL', and 'None'. Below this is a table with the following columns: Alias, Edit, Heading, Column Align., Heading Align., Show, Sum, Sort, and Sort Sequence. The table contains rows for columns: ID, SERIAL, BRAND, CPU_TYPE, CPU_SPEED, PURCHASE_DATE, MODEL, and FORM_FACTOR. Each row has a 'Show' checkbox checked and a 'Sort' dropdown menu. A sidebar on the right contains a 'Report Attributes' section with explanatory text and a 'Tasks' section with three links: 'Find Items', 'Show Query Source', and 'Run this page'.

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sort Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

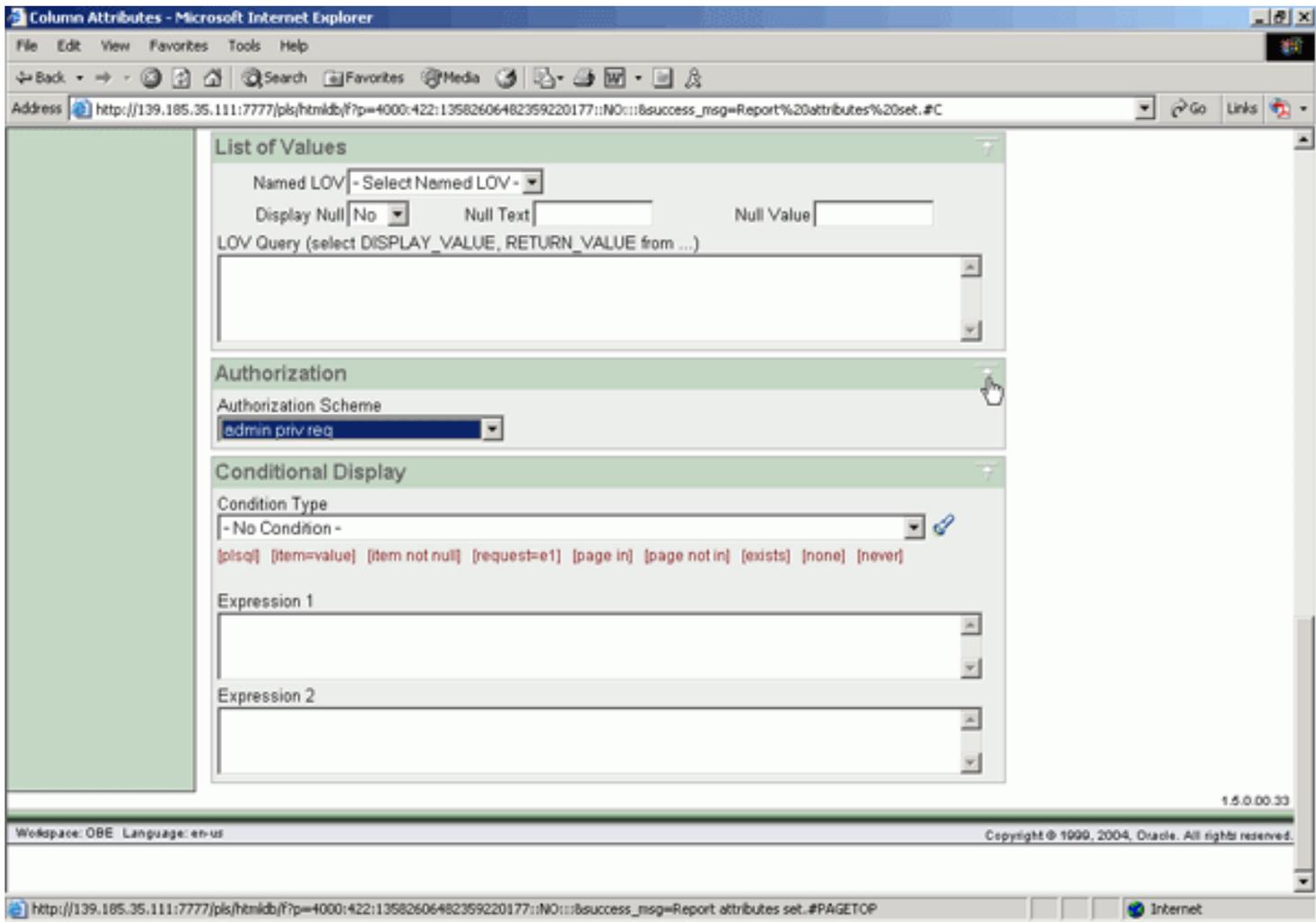
Select the **Conditions** link.

19.



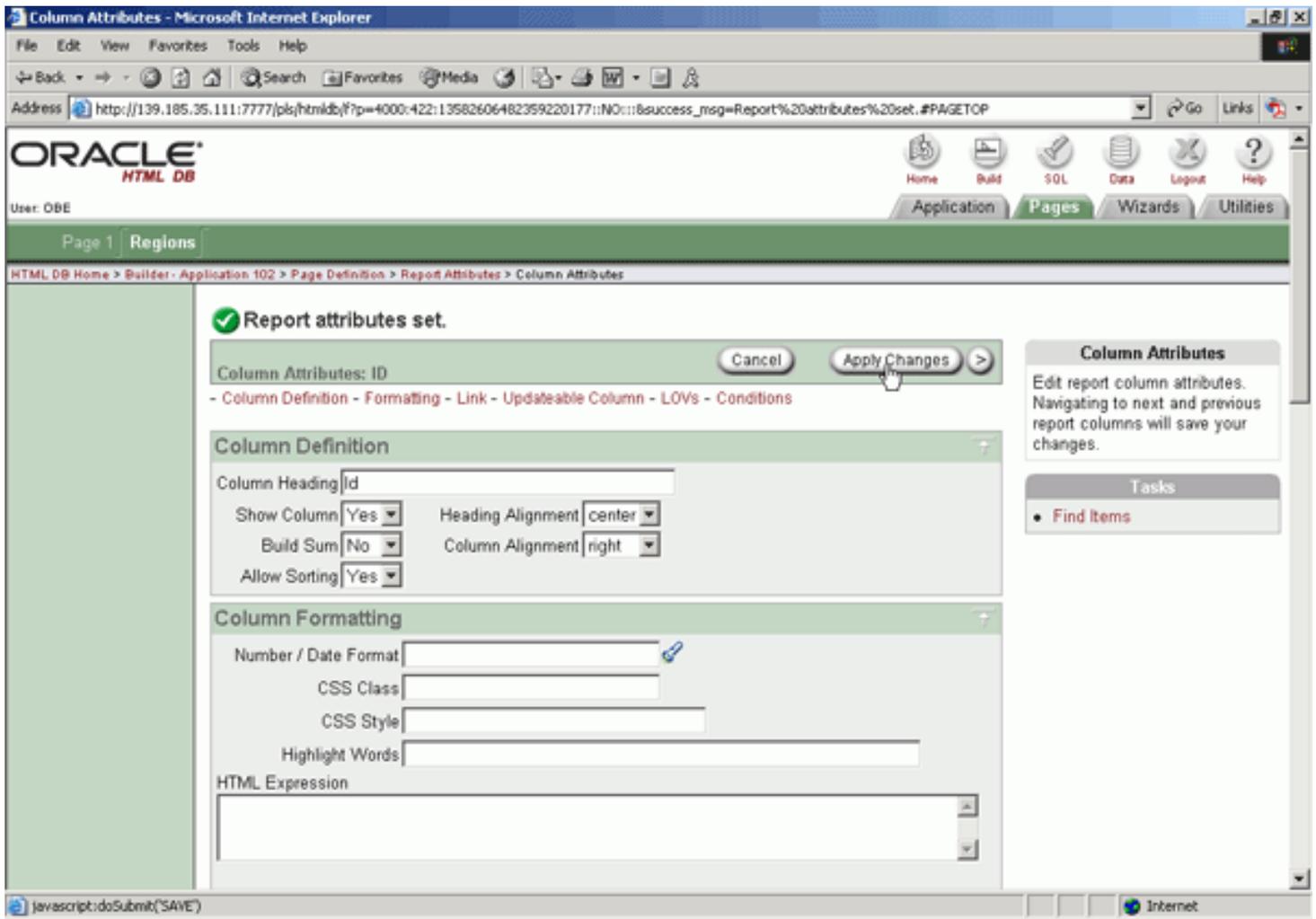
Select **admin priv req** for the Authorization Scheme and click **Top**.

20.



Click **Apply Changes** .

21.



Click **Apply Changes** again.

22.

structured Query - Microsoft Internet Explorer

Address: http://139.185.35.111:7777/pls/htmldb/f?p=4000:420:13582606482359220177::NO::

ORACLE HTML DB

User: OBE

Application Pages Wizards Utilities

Page 1 Regions

HTML DB Home > Builder > Application 102 > Page Definition > Report Attributes

Region Definition Report Attributes Query Definition

Report Attributes

Cancel Apply Changes

- Column Attributes - Layout and Pagination - Sorting - Messages - CSV Output - Break Formatting

Report Column Attributes

Headings Type: Column Names Column Names (InitCap) Custom PL/SQL None

Alias	Edit	Heading	Column Align.	Heading Align.	Show	Sum	Sort	Sort Sequence
ID	▼ ▲	Id	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1
SERIAL	▼ ▲	Serial	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
BRAND	▼ ▲	Brand	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_TYPE	▼ ▲	Cpu Type	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
CPU_SPEED	▼ ▲	Cpu Speed	right	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
PURCHASE_DATE	▼ ▲	Purchase Date	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
MODEL	▼ ▲	Model	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
FORM_FACTOR	▼ ▲	Form Factor	left	center	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-

Report Attributes

Report and column attributes allow defining attributes such as reports headers, report templates, pagination, sorting and formatting. Additional column attributes can be defined when clicking on the column edit icons shown in front of each column definition.

A selection of pre-defined report templates as well as user defined report templates can be applied to this report. A variety of different pagination styles is also available. If pagination on a report should be done using buttons, select externally define pagination.

Tasks

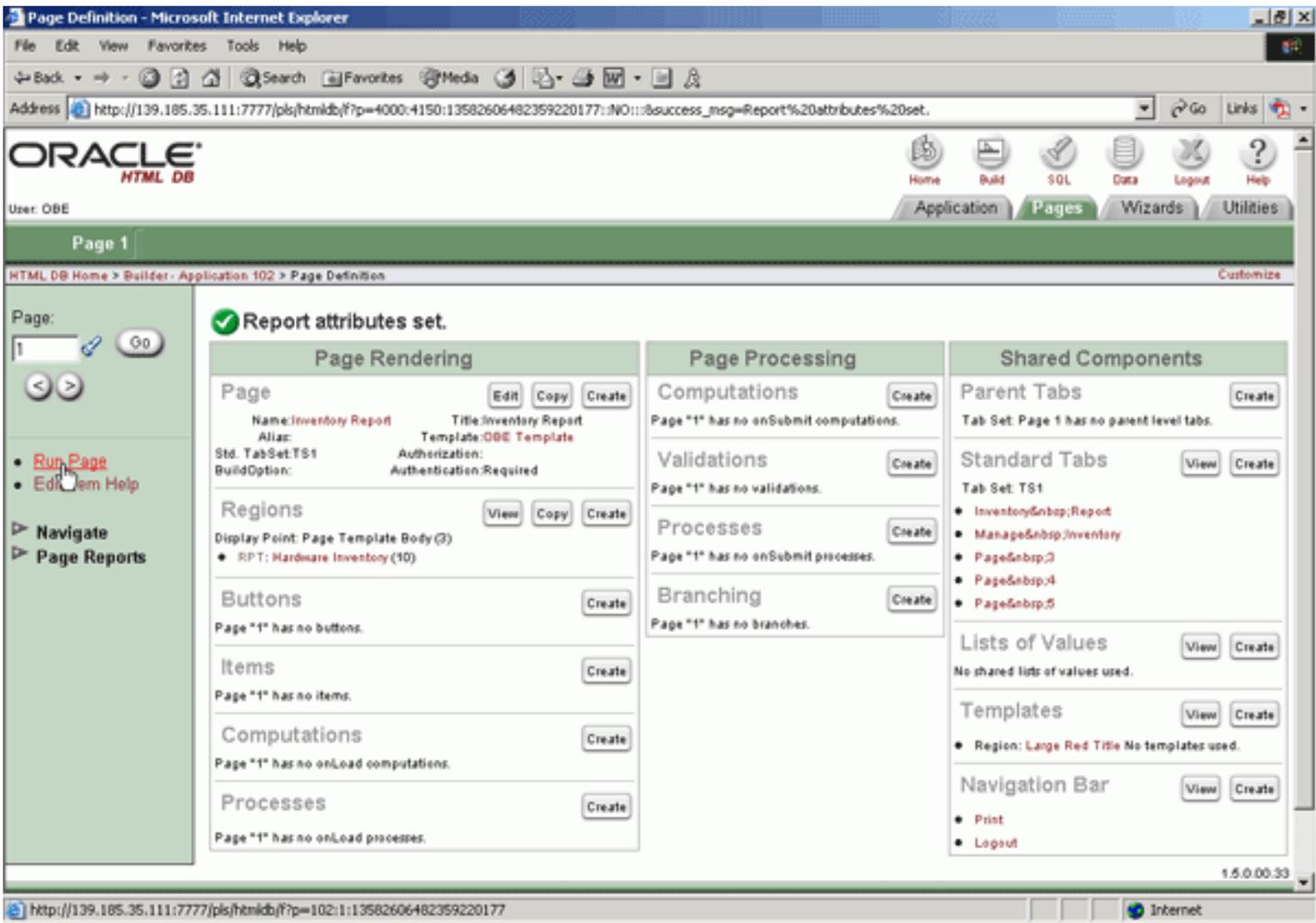
- Find Items
- Show Query Source
- Run this page

javascript:doSubmit('APPLY_CHANGES')

Internet

Click Run Page .

23.



Click **Logout** .

24.

ORACLE

OBE **Inventory Report:** Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
FL4Q321	Dell	Pentium III	2400	10-DEC-02	Gx260	D	6267
ABC12345	Toshiba	Pentium IV	2000	04-FEB-04	Tecra	L	4300
H0MHC12	Dell	Pentium IV	1700	15-JUN-02	Gx240	D	6588
H0980IUP296	Compaq	Pentium IV	1700	27-APR-02	Evo	D	6477
JKEW77U	Toshiba	Pentium I	1700	01-MAR-03	Tecra 740 CDT	L	2266
KLJH98798YUTU	Dell	Pentium III	1200	12-JUN-02	Latitude C610	L	5170
OKMND876	Digital	Pentium I	1200	01-JAN-98	Hinote Ultra II	L	2188
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
LKM7D9J	Gateway	Pentium IV	1000	12-MAY-03	Cash Cow	L	4532
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
9875H879	Toshiba	Pentium III	850	05-OCT-01	Tecra 8200	L	5446
8UJDSLKN	Toshiba	Pentium III	850	20-MAR-00	Tecra 8100	L	5122
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
QT6547PLPS	Apple	PowerPC G4	800	01-JUN-02	Powerbook	L	3200
QT21603PLP5	Apple	PowerPC G4	800	12-JUL-02	Powerbook	L	3773

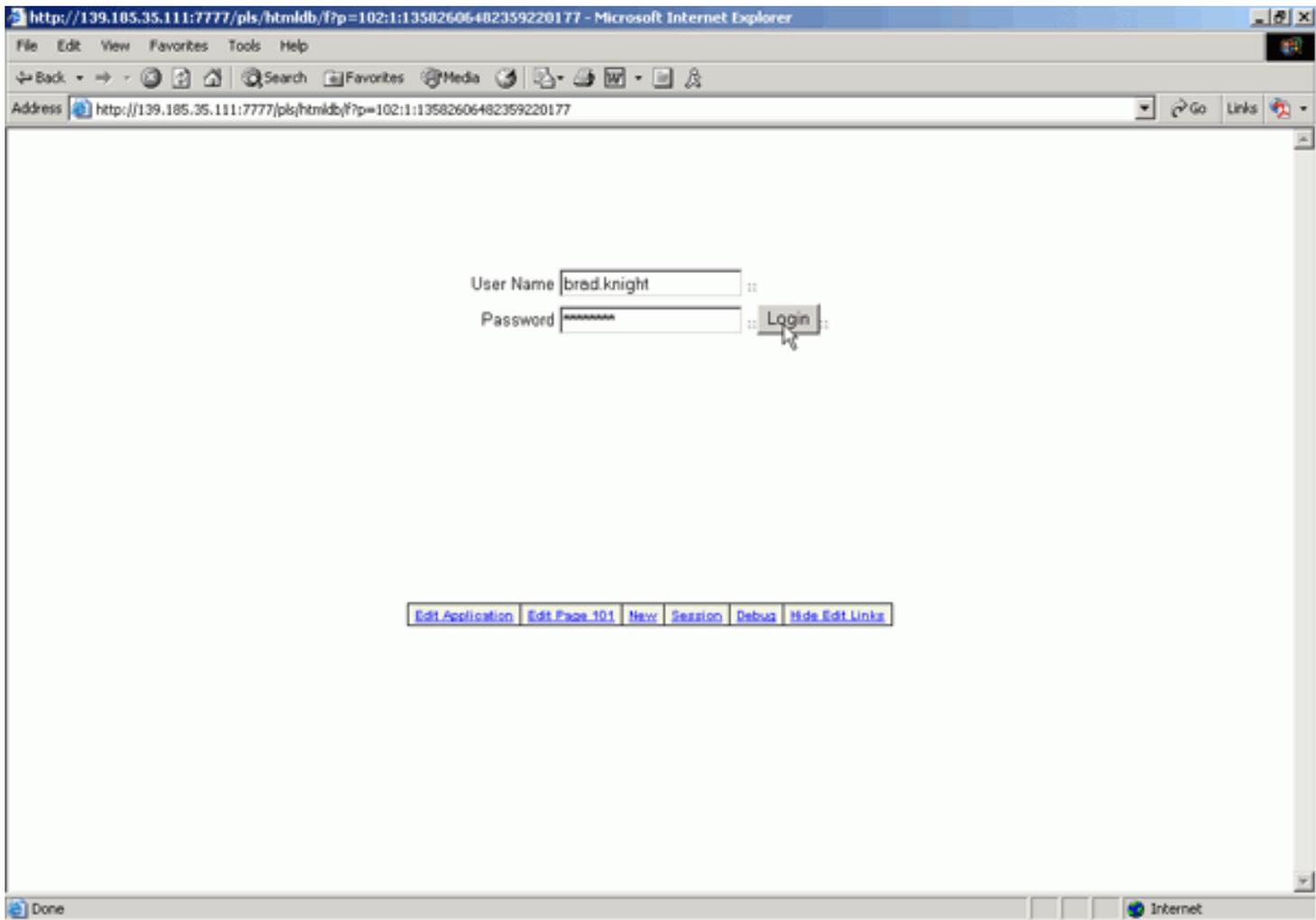
row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/www_flow_custom_auth_std.logout?p_this_flow=102&p_next_flow_page_sess=102:1:1358260648235

Enter **Brad.Knight** for the User Name and **welcome1** for the Password and click **Login** .

25.



26.

Notice that because Brad is an administrator, you see the ID column to allow a row to be updated. Now you will logout and relogin as John to see that he does not have the ability to update a row since he is not an admin. Click **Logout** again.

Inventory Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://139.185.35.111:7777/pls/htmldb/f?p=102:1:7570702846308453765>

ORACLE

Print :: Logout ::

BRAD.KNIGHT

Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Id	Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T		Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423		Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBU4		Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB		Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12		Dell	Pentium IV	1700	15-JUN-02	Gx240	D	6588
W112FGHZ456		Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1		Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11		Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH		Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT		Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133		Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265		Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345		Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105		Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475		Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

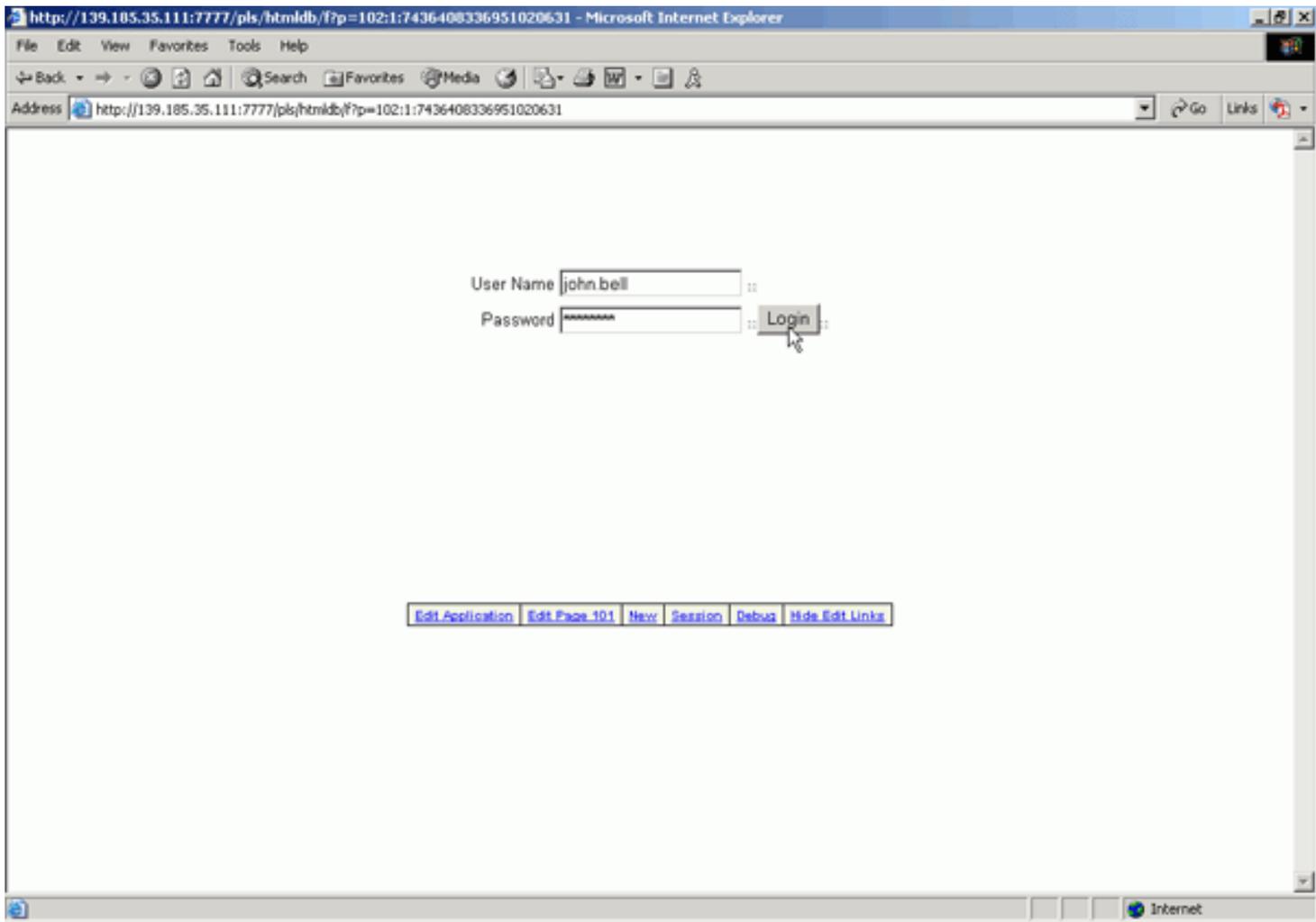
row(s) 1 - 15 of 38 Next

Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/www_flow_custom_auth_std.logout?p_this_flow=102&p_next_flow_page_sess=102:1:7570702846308 Internet

27.

Now you can login as a non administrator. Enter username **John.Bell** and password **welcome1** . Then click **Login** .



28.

Notice that you do not see the Edit column any longer. You do see the Manage Inventory tab which you do not want non-administrators to have access to so you will eliminate the tab now. Click **Edit Page 1** .

Inventory Report - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://139.185.35.111:7777/pls/htmldb/f?p=102:1:7436408336951020631

ORACLE

Print :: Logout ::

JOHN.BELL

Inventory Report: Manage Inventory: Page 3: Page 4: Page 5:

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 38 Next >

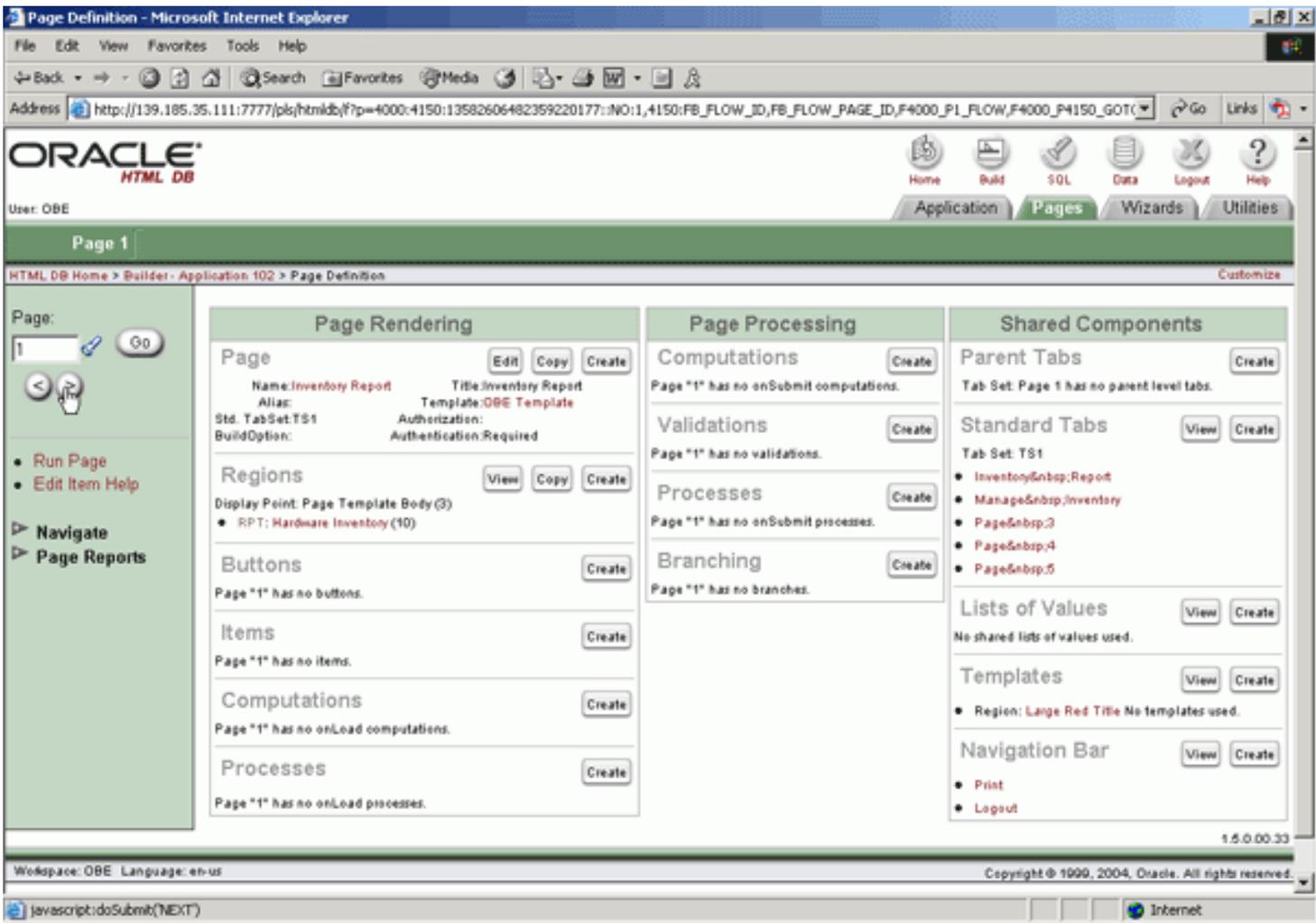
Edit Application Edit Page 1 New Session Debug Hide Edit Links

http://139.185.35.111:7777/pls/htmldb/f?p=4000:4150:13582606482359220177::NO:1,4150:FB_FLOW_ID,FB_FLOW_PAGE_ID,F4000_P1_FLOW,F4

Internet

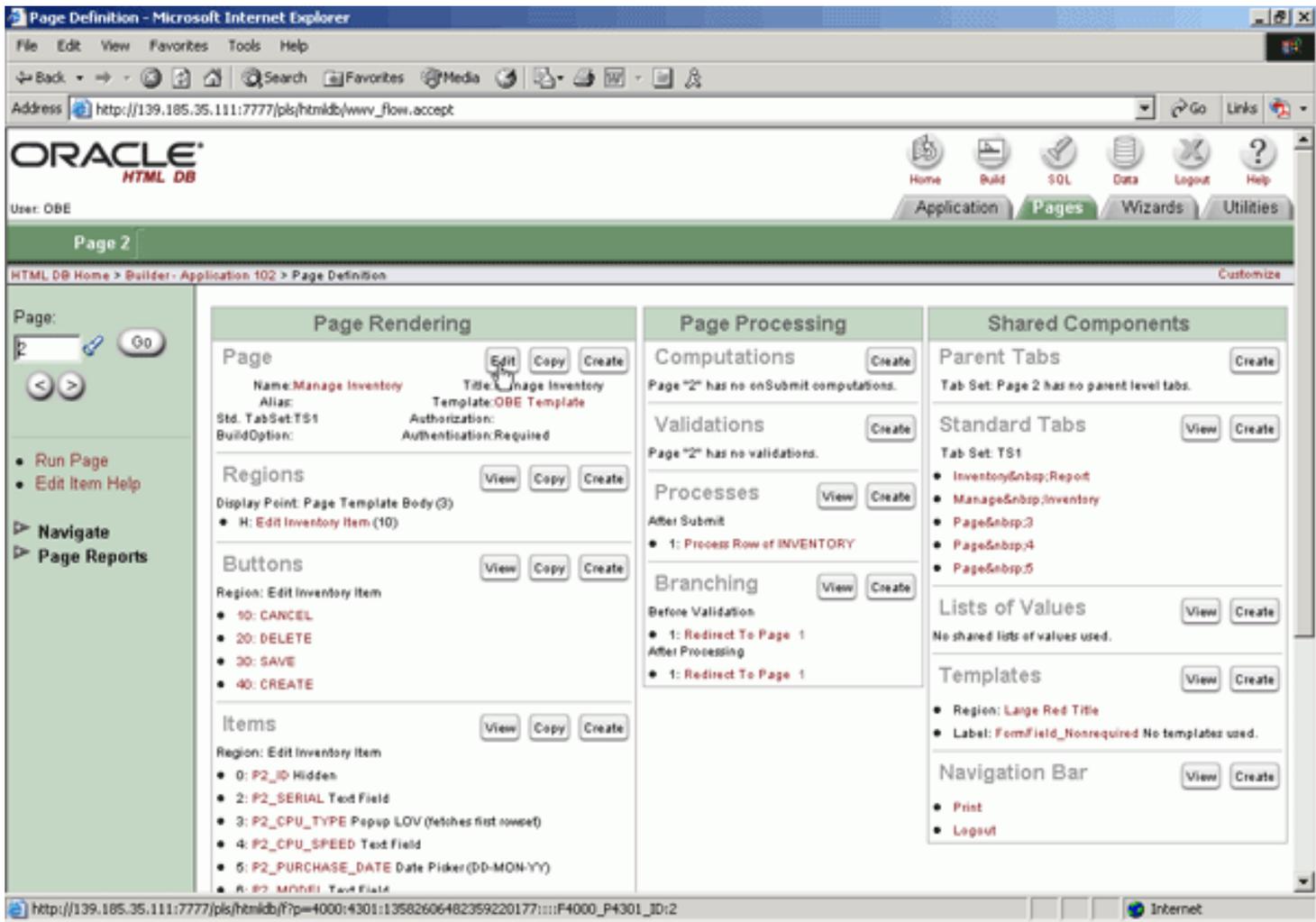
Click > to navigate to page 2.

29.



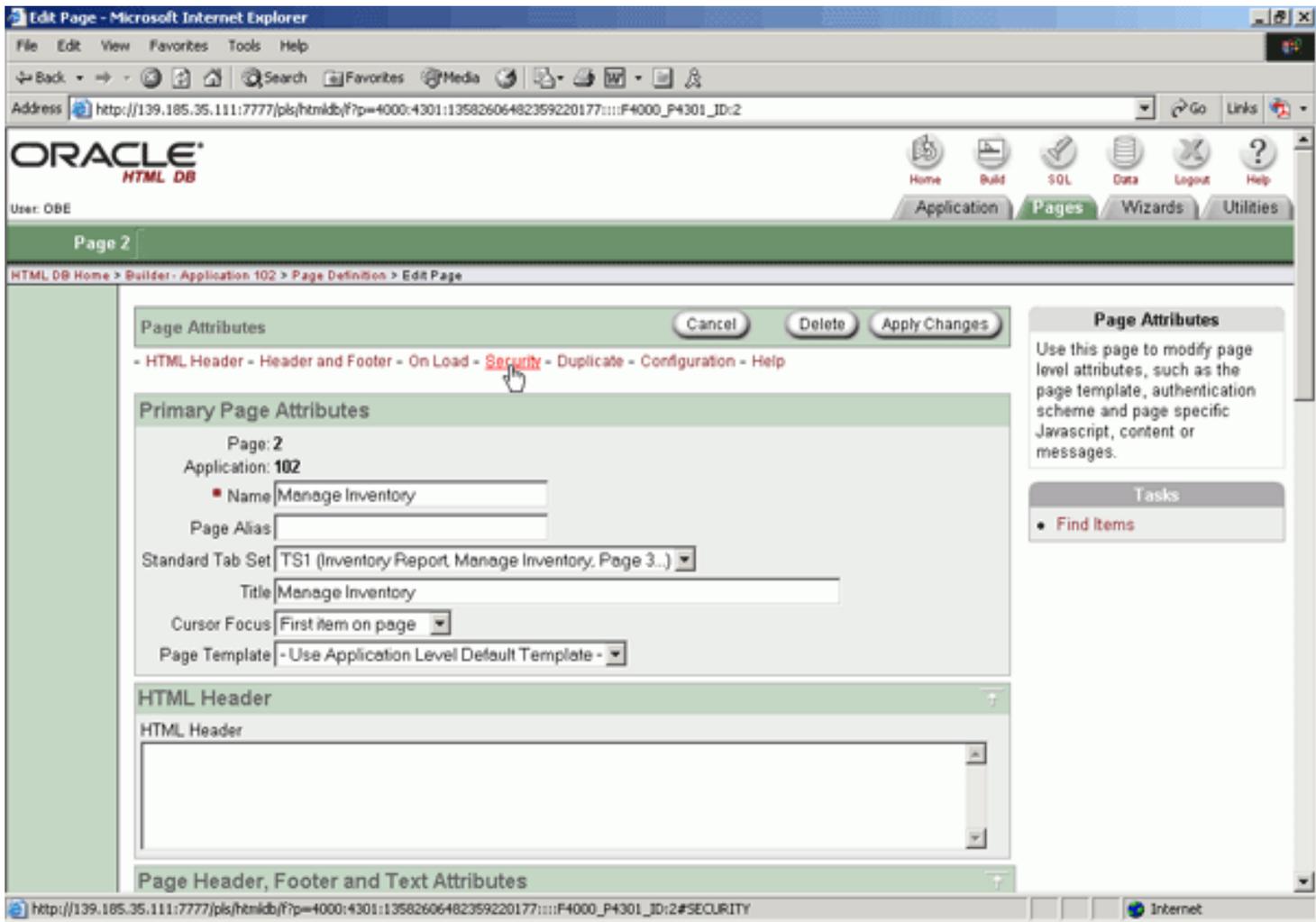
Click **Edit** in the Page section.

30.



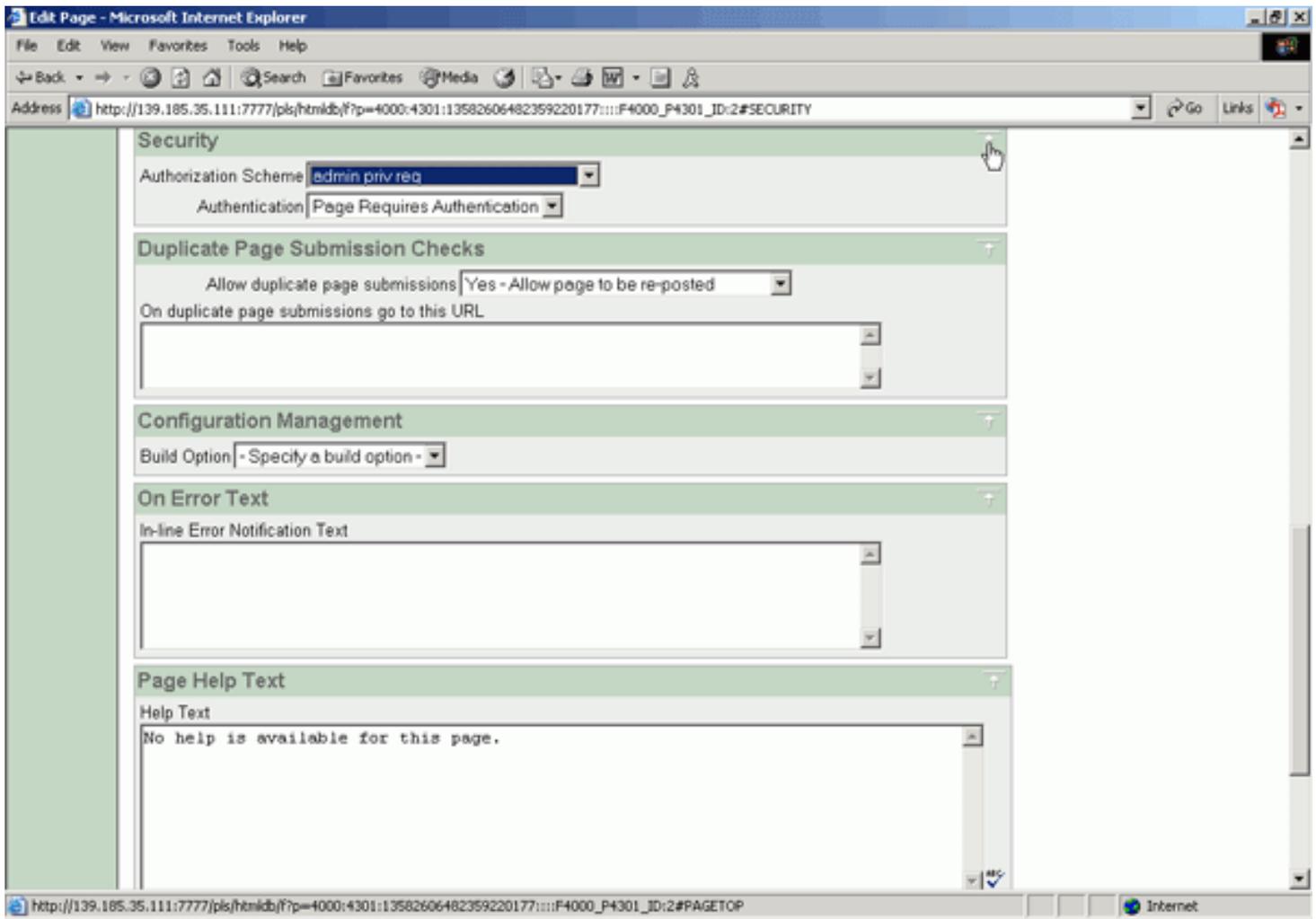
Click the **Security** link.

31.



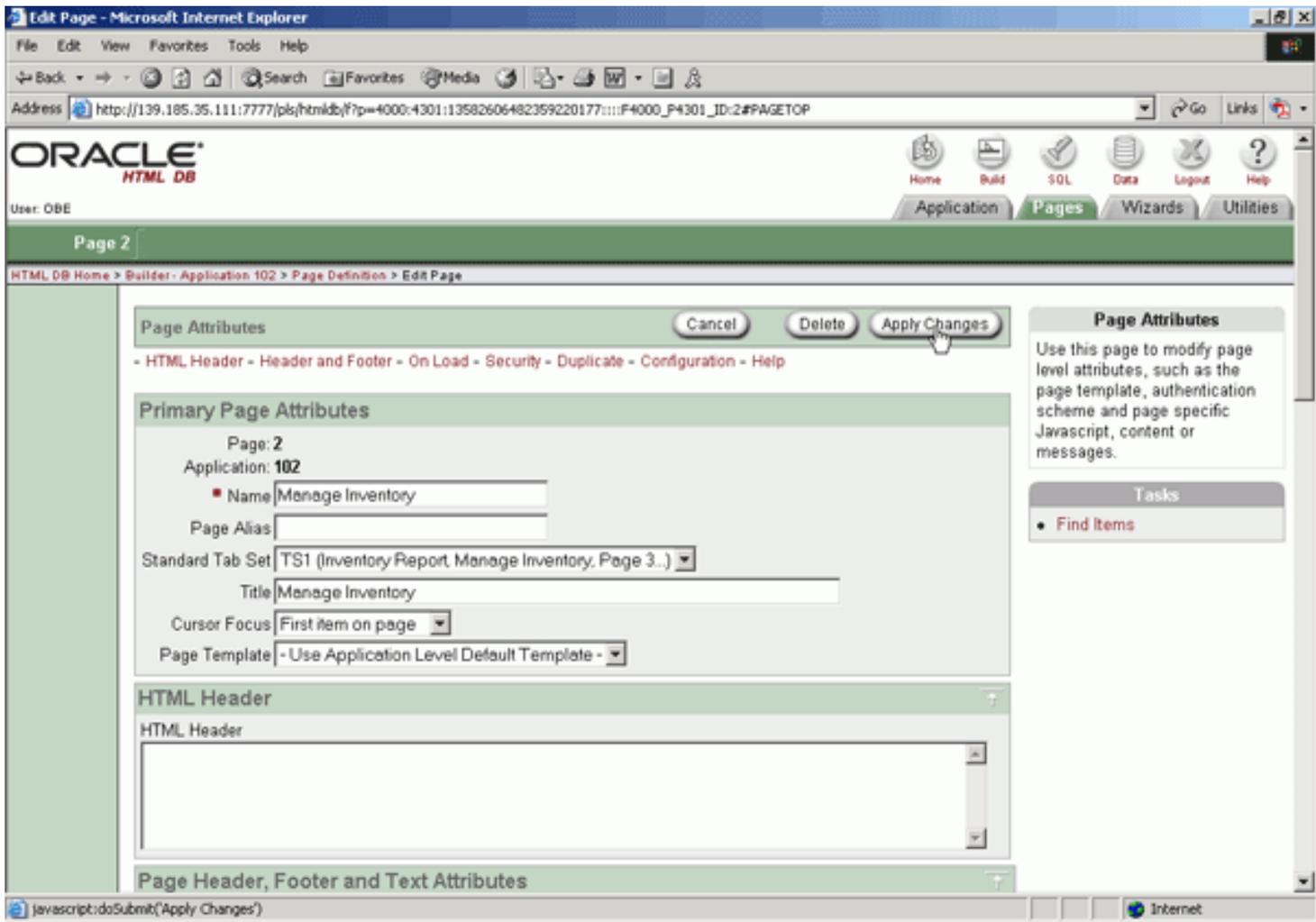
Select **admin priv req** for the Authorization Scheme and click **Top** .

32.



Click **Apply Changes** .

33.

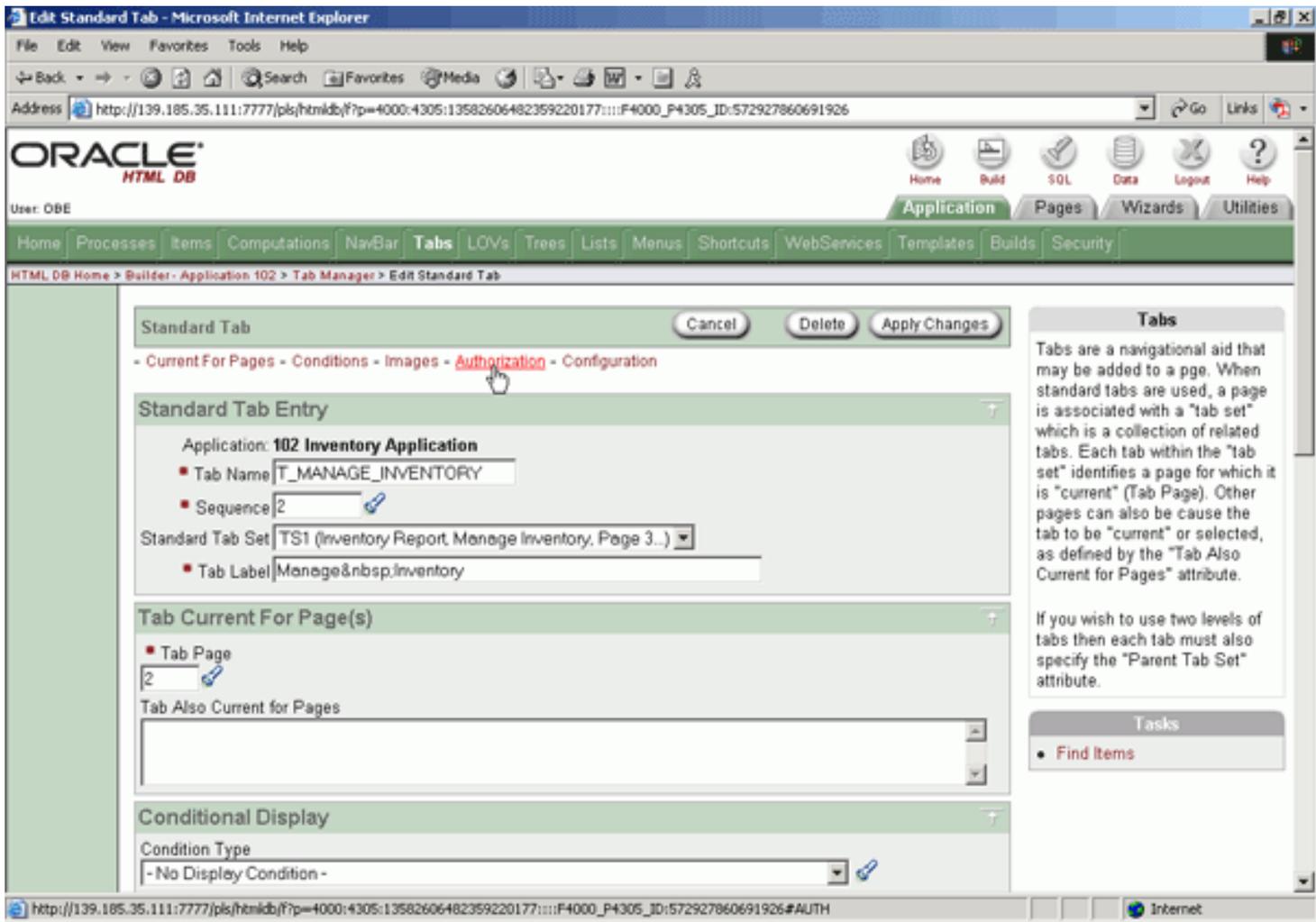


In the Standard Tabs section, click the tab **Manage Inventory** .

33.

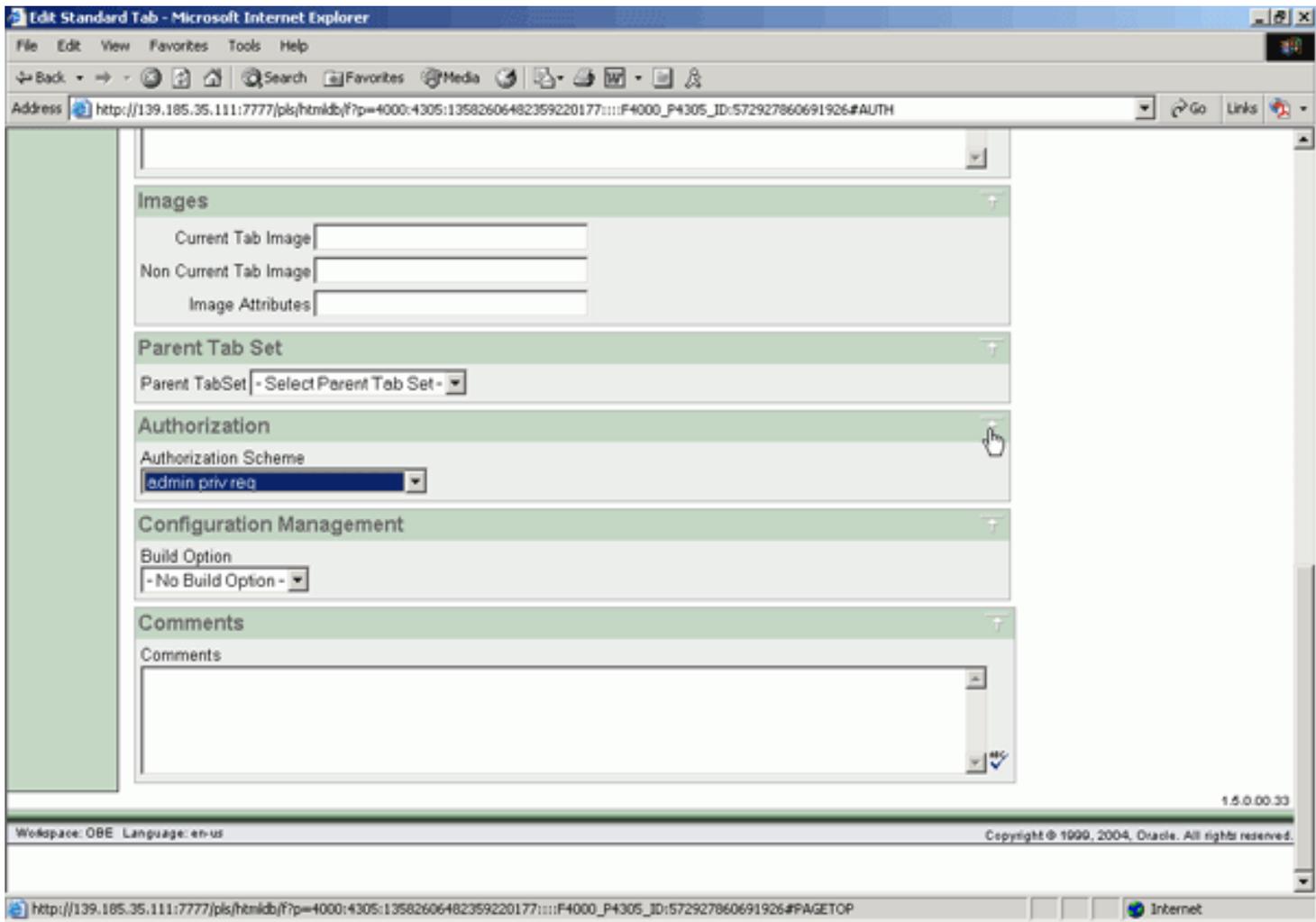
Click the **Authorization** Link.

34.



Select **admin priv req** for the Authorization Scheme and click **Top** .

35.



Click **Apply Changes** .

36.

The screenshot shows the Oracle HTML DB interface for editing a standard tab. The browser window title is "Edit Standard Tab - Microsoft Internet Explorer". The address bar shows a URL starting with "http://139.185.35.111:7777/pls/htmldb/f?p=4000:4305:13582606482359220177:::F4000_F4305_ID:572927860691926#PAGETOP". The Oracle logo and "HTML DB" are visible at the top left. The user is identified as "User: OBE". The navigation bar includes "Application", "Pages", "Wizards", and "Utilities". The main content area is titled "Standard Tab" and includes buttons for "Cancel", "Delete", and "Apply Changes". Below this, there are sections for "Standard Tab Entry", "Tab Current For Page(s)", and "Conditional Display".

Standard Tab Entry

- Application: **102 Inventory Application**
- Tab Name:
- Sequence:
- Standard Tab Set:
- Tab Label:

Tab Current For Page(s)

- Tab Page:
- Tab Also Current for Pages:

Conditional Display

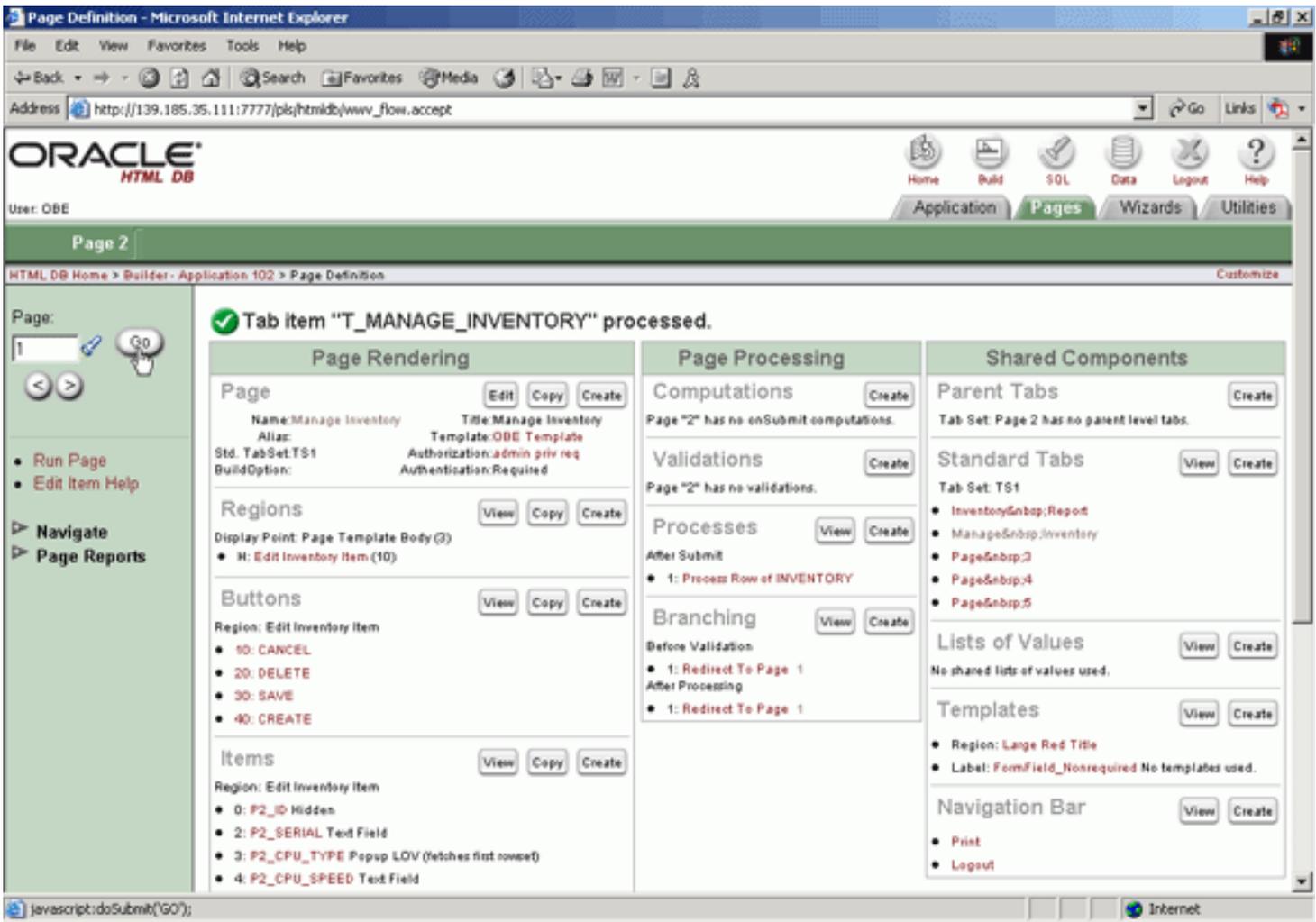
- Condition Type:

Tasks

- Find Items

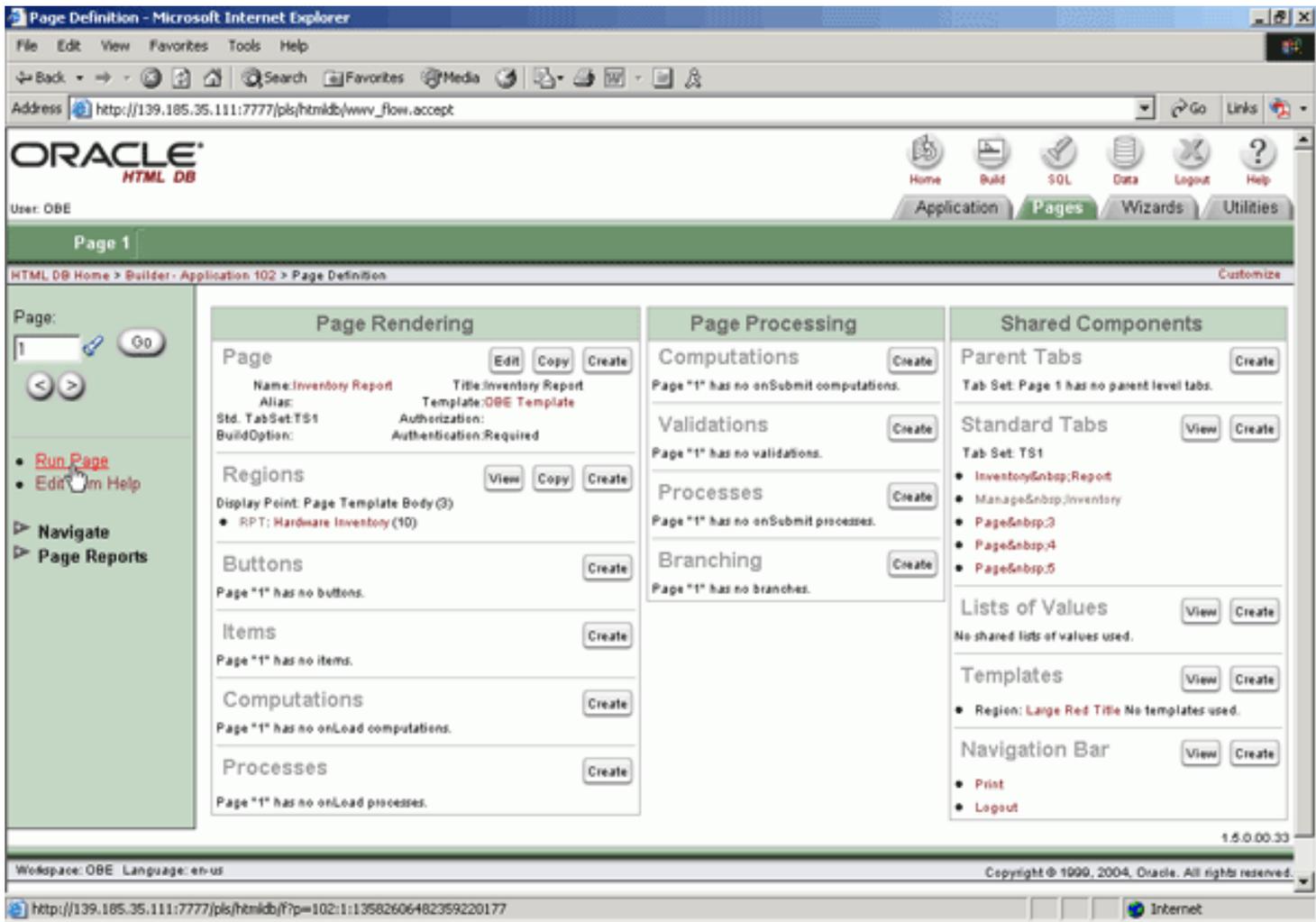
Change the number in the Page field in the left navigator to 1 and click **Go**.

37.



Then click **Run Page** .

38.



Notice that the Manage Inventory Tab is not available any longer because you are logged on as a non-administrator.

39.

ORACLE Print :: Logout ::

JOHN.BELL Inventory Report: Page 3 Page 4 Page 5

Hardware Inventory:

Serial	Brand	Cpu Type	Cpu Speed	Purchase Date	Model	Form Factor	Purchase Price
0C8765T	Dell	Pentium I	200	09-OCT-98	Optiplex	D	2343
1U09CM2423	Dell	Pentium II	667	01-JUN-99	Optiplex GX1	D	3256
0KBU4	Gateway	Pentium III	1000	12-MAY-01	Cash Cow	L	4532
51214246AB	Toshiba	Pentium III	450	14-JUN-01	Tecra 8200	L	5401
HQMHC12	Dell	Pentium IV	1700	15-JUN-02	GX240	D	6588
W112FGHZ456	Compaq	Pentium III	800	12-JAN-01	Deskpro EN	D	5330
2DLP1	Dell	Celeron	366	01-APR-99	Optiplex G1	D	1399
6ZQ11	Dell	Pentium I	200	24-OCT-96	Optiplex GXMT 5166	D	2378
59785246GH	Toshiba	Pentium III	650	20-MAR-00	Tecra 8100	L	5122
12375936YT	Toshiba	Pentium I	166	01-MAR-97	Tecra 740 CDT	L	2266
LTS5133	Digital	Pentium I	100	01-JAN-96	Hinote Ultra II	L	2188
A492CSLZE265	Compaq	Pentium III	750	23-JUN-99	Deskpro	D	5066
3J17JZL1345	Compaq	Pentium III	850	17-AUG-01	Armada 700	L	5119
UV103GAJQ105	Apple	PowerPC G3	466	02-NOV-01	iBook G3	L	2900
6901B475	Toshiba	Pentium II	366	03-DEC-99	Portege 7020CT	L	3321

row(s) 1 - 15 of 38 [Next](#)

[Edit Application](#)
[Edit Page 1](#)
[New](#)
[Session](#)
[Debug](#)
[Hide Edit Links](#)

Place the cursor on this icon to hide all screenshots.