ORACLE

APPLICATION EXPRESS



Oracle Application Express: Developing Database Web Applications

Hands-On-Labs Guide

Unit 5: Developing Reports

This exercise includes three hands-on-labs.

HOL 5-1 Creating a Classic Report: In this hands-on-lab, you create a classic report region on the Dashboard page of the Demo Projects application.

HOL 5-2 Creating an Interactive Report: In this hands-on lab, you create a new database application and then using the Create Page wizard, you add an interactive report page.

HOL 5-3 Creating an Interactive Grid: In this hands-on lab, you use the Create Page wizard and add an interactive grid page in the Budget App application.

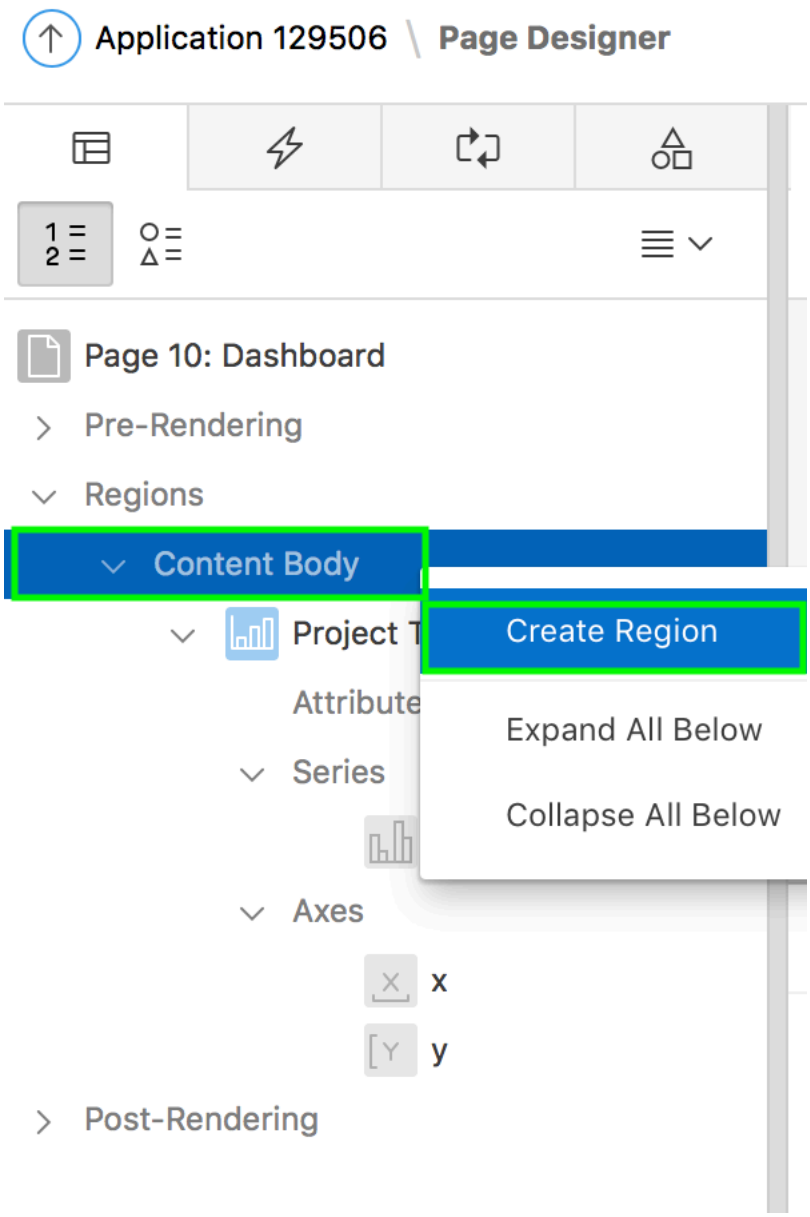
HOL 5-1 Creating a Classic Report

In the Demo Projects application, you create a report that allows each Team Member to see their outstanding tasks.

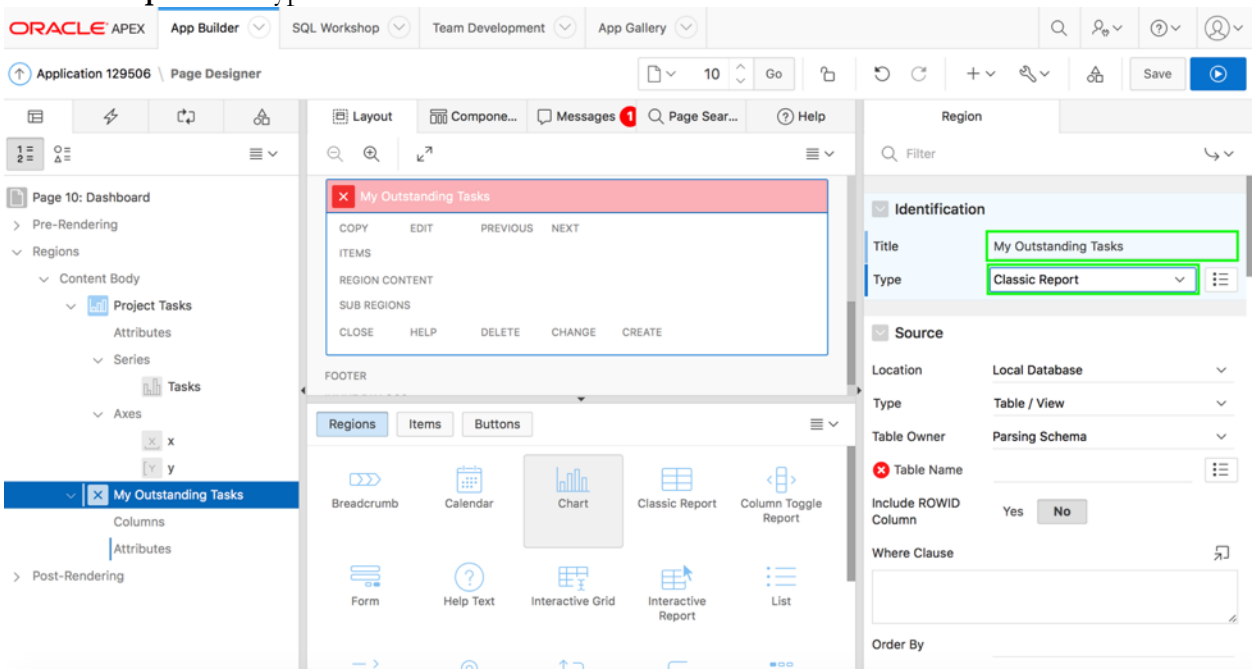
1. View the Dashboard page in page designer. If you are on the Dashboard page, then click **Edit Page <n>** in the Developer Toolbar.



2. In the Rendering tree, right-click **Content Body** and select **Create Region**.



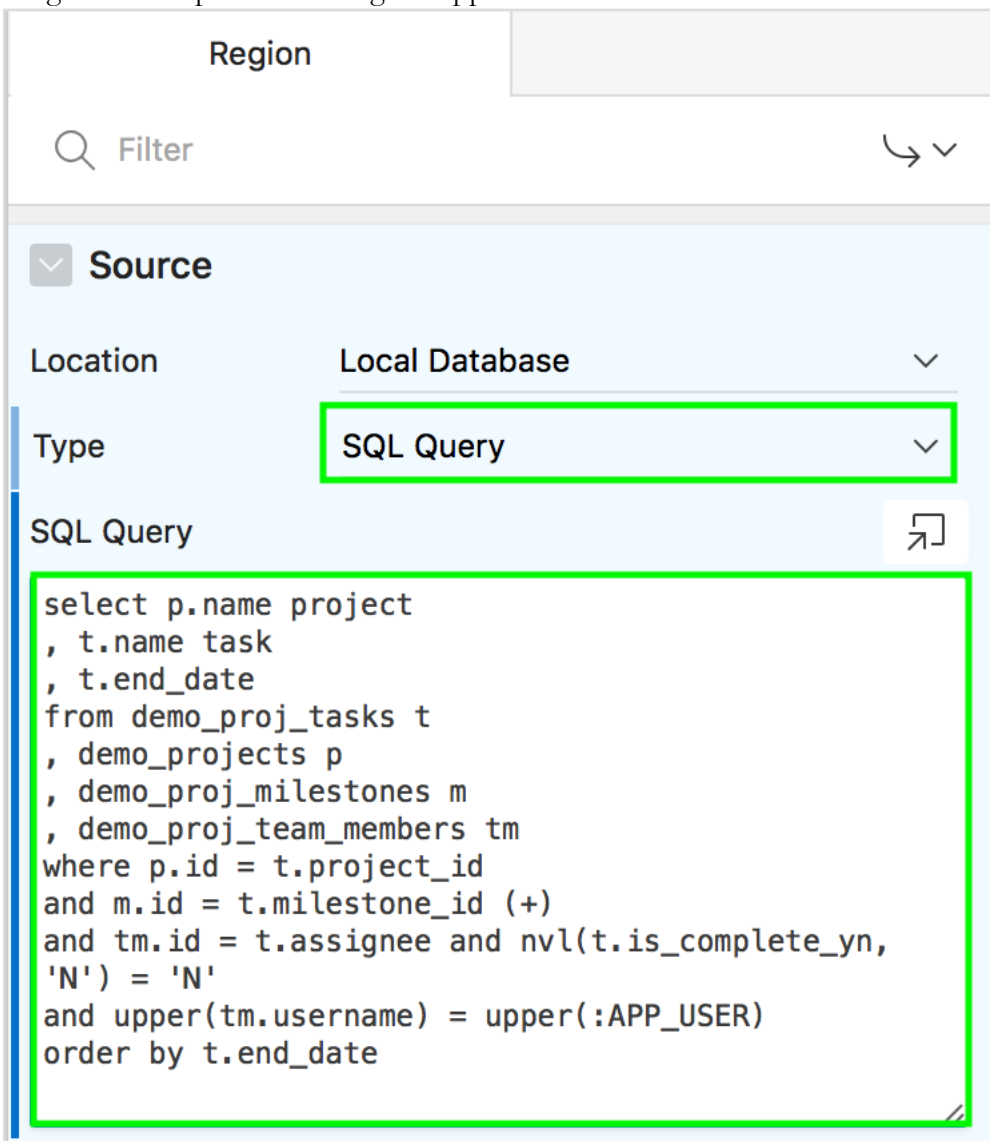
3. In the property editor, under Identification, enter **My Outstanding Tasks** for Title. Select **Classic Report** for Type.



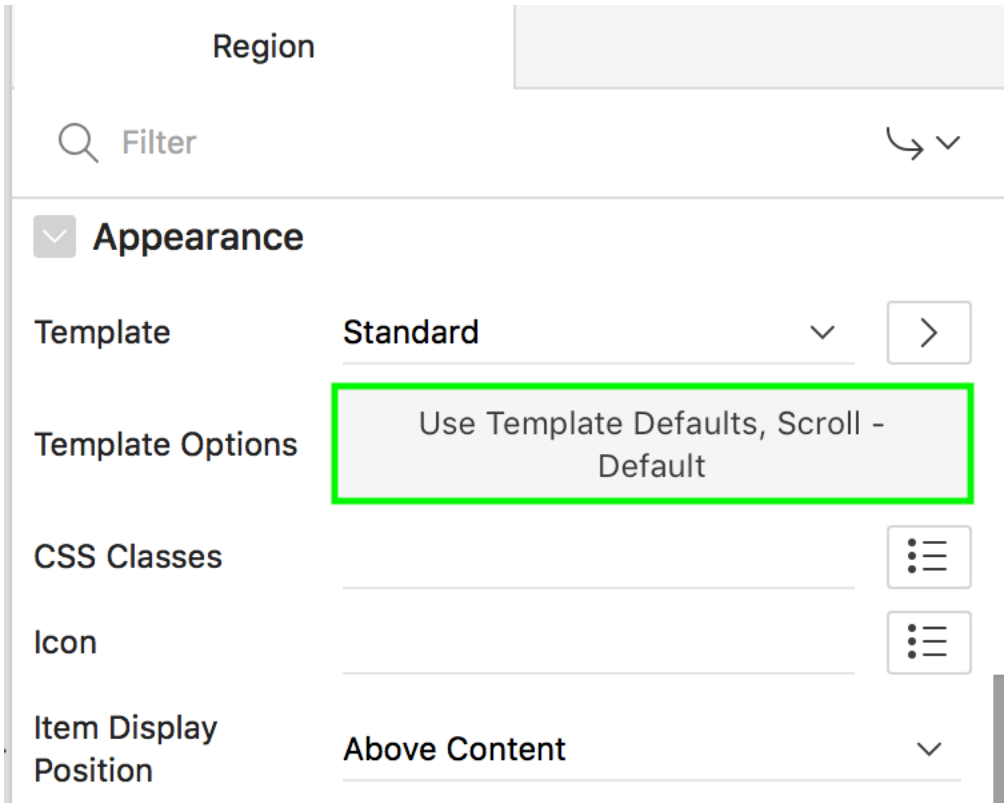
4. In the property editor, under Source, select SQL Query for Type. Then, copy and paste the following code for SQL Query.

```
select p.name project
, t.name task
, t.end_date
from demo_proj_tasks t
, demo_projects p
, demo_proj_milestones m
, demo_proj_team_members tm
where p.id = t.project_id
and m.id = t.milestone_id (+)
and tm.id = t.assignee and nvl(t.is_complete_yn, 'N') = 'N'
and upper(tm.username) = upper(:APP_USER)
order by t.end_date
```

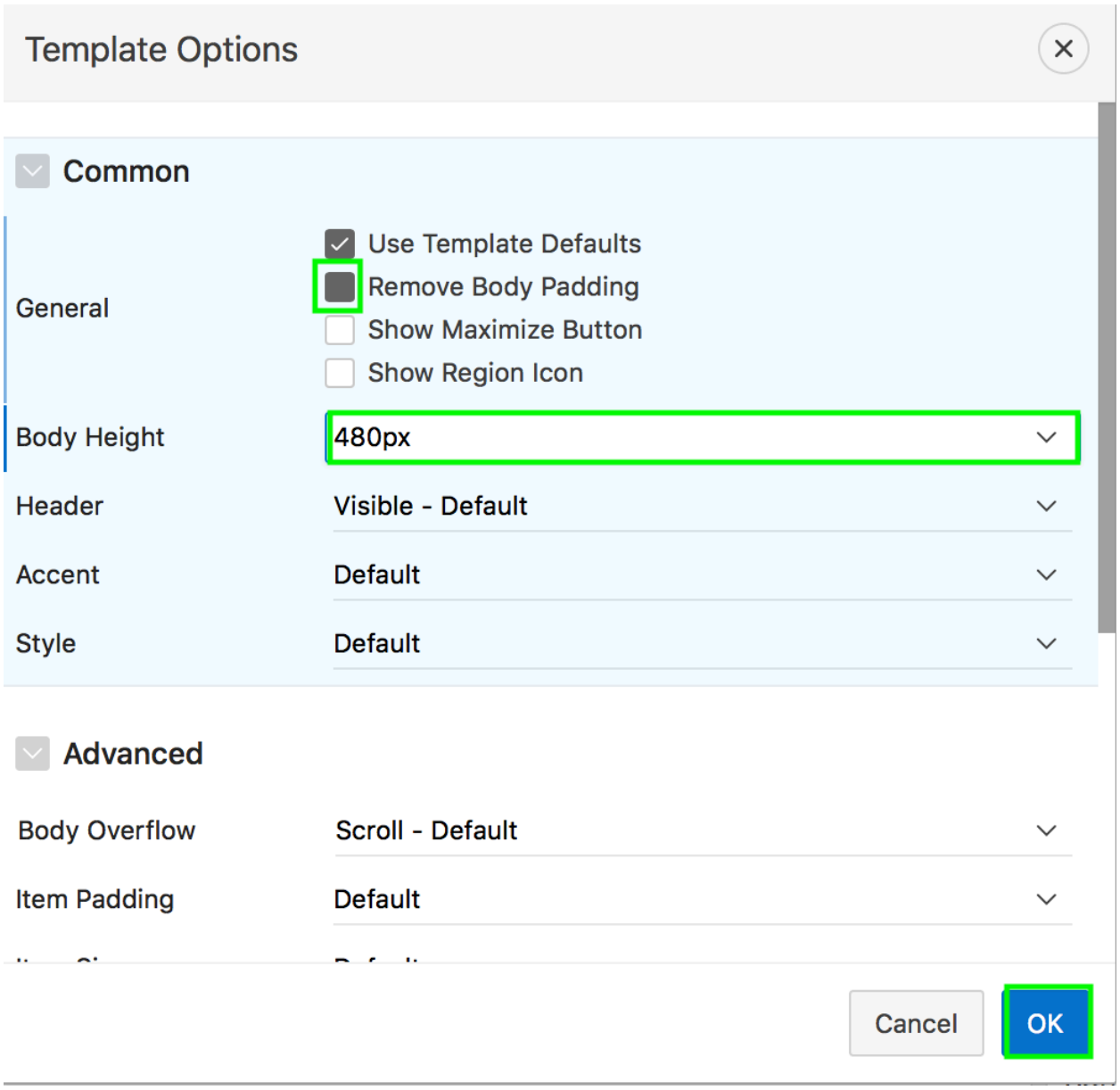
Note: The where condition of `username = :APP_USER` restricts the records to those assigned to the person running the application.



5. In the Property Editor, locate Appearance > Template Options and click **Use Template Defaults, Scroll - Default**.

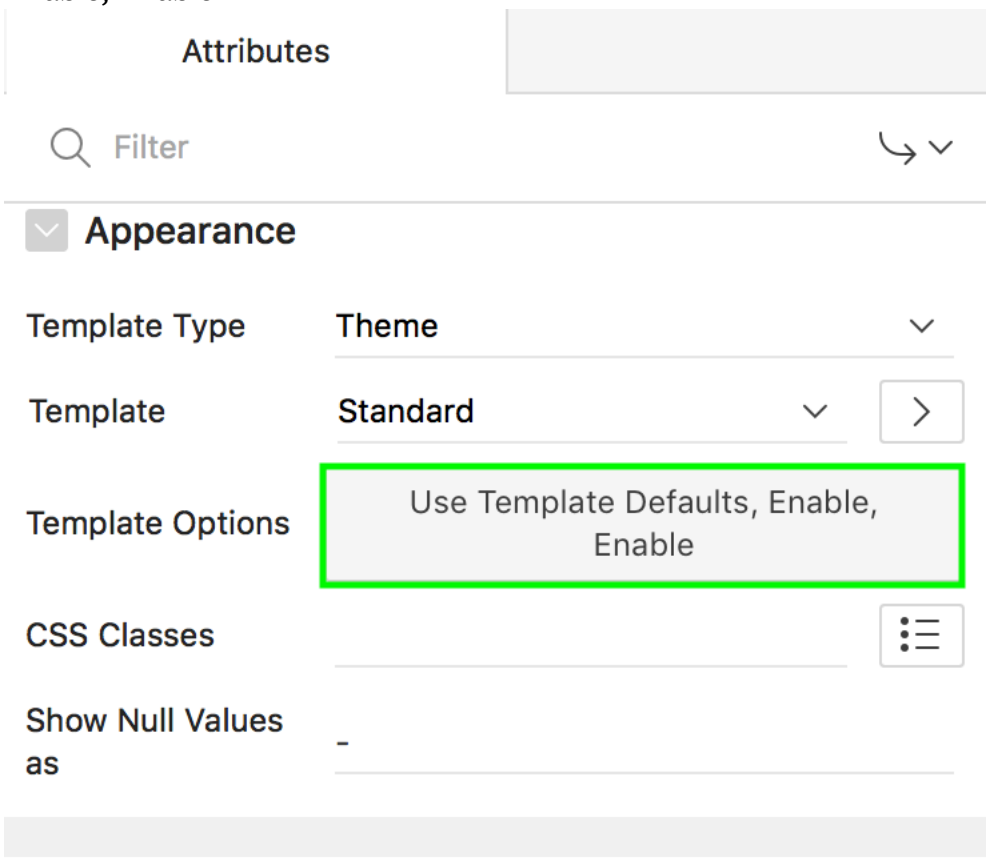

Region
Filter
Appearance
Template
Standard
Template Options
Use Template Defaults, Scroll - Default
CSS Classes
Icon
Item Display Position
Above Content

6. For General, enable **Remove Body Padding**, and for Body Height select **480px**. Click **OK**.



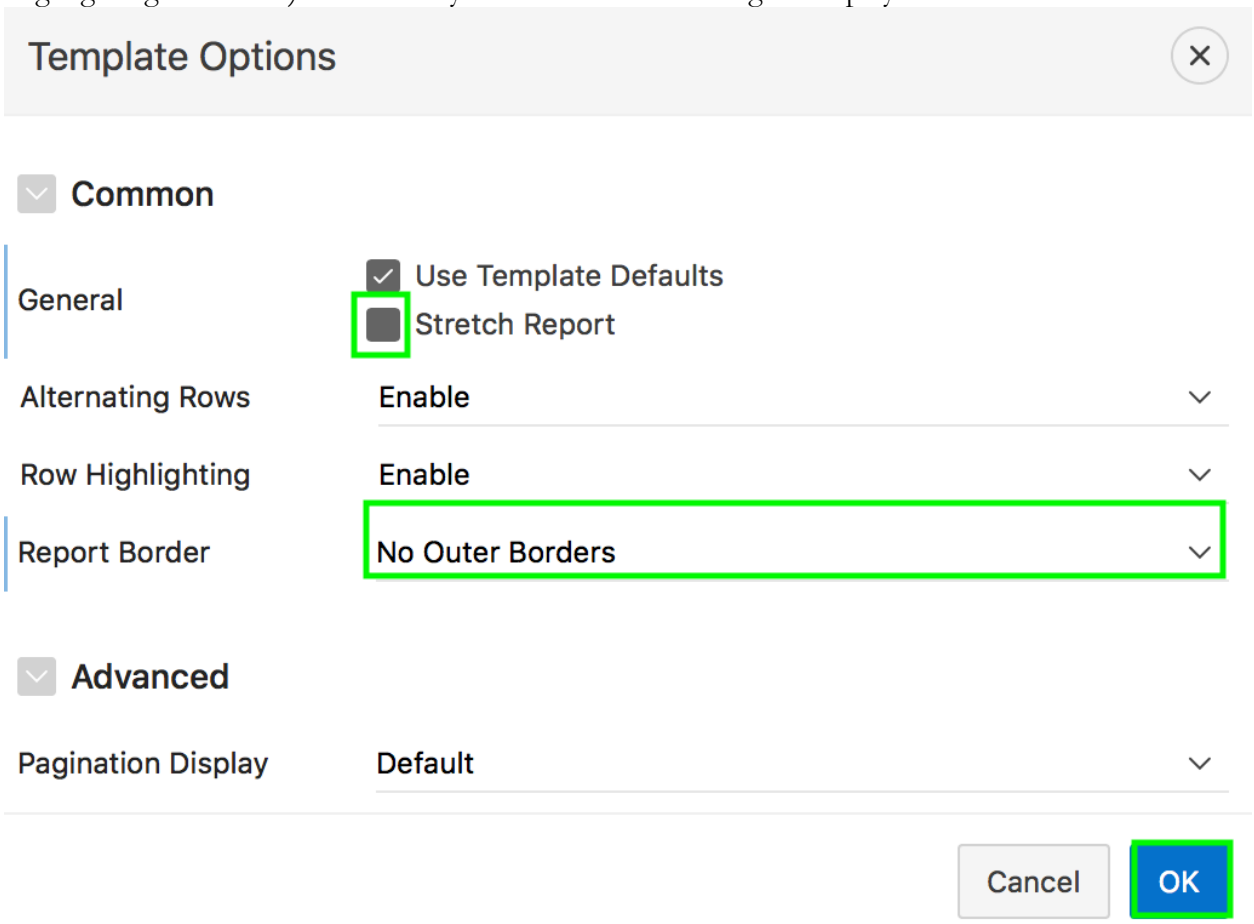
7. Locate the Rendering tree. Under the My Outstanding Tasks region, click **Attributes**.

8. Under Attributes, locate Appearance > Template Options and click **Use Template Defaults, Enable, Enable**.

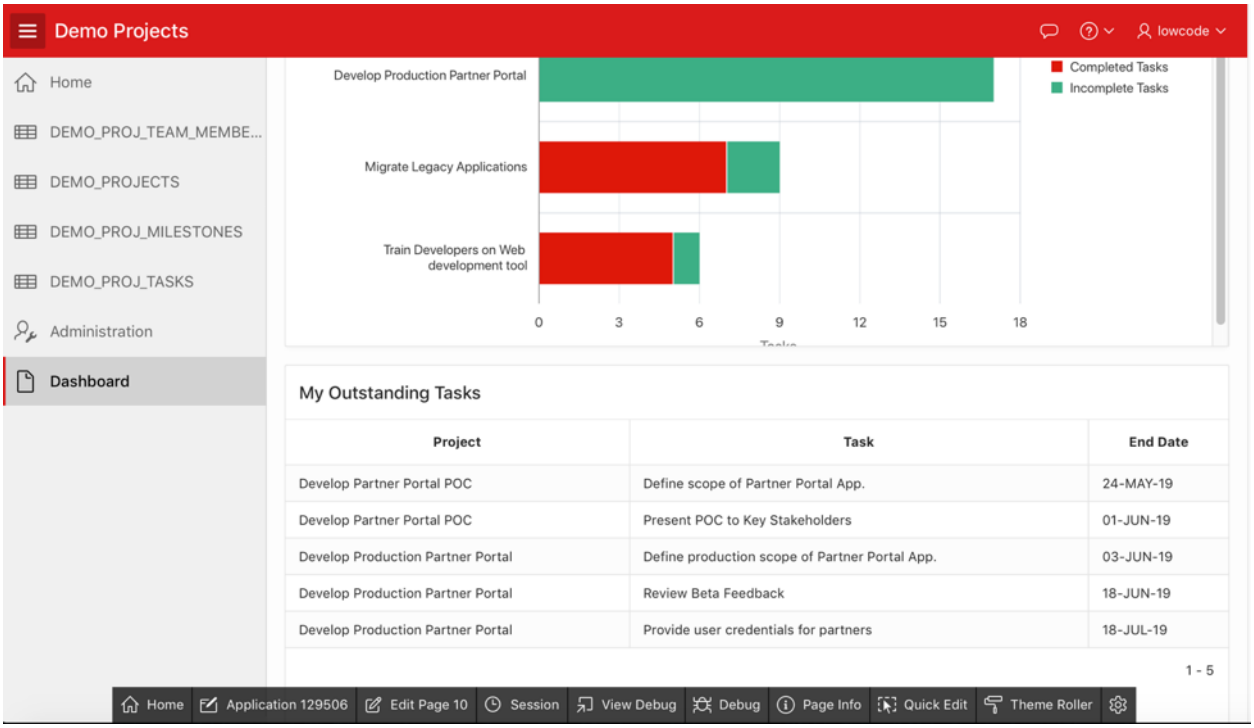


9. For General, enable Stretch Report, and for Report Border, select No Outer Borders. Click **OK**.
Note: Region Template Options (such as Body Height, Header, Style and so on) alter the overall presentation of a region. However, Attribute Template Options (such as Stretch Report, Row

Highlighting and so on) alter the way the records within a region display.



10. Click **Save**. Run the application to see how the Home page looks now. Click **Save and Run Page**. Your Dashboard page might look like:



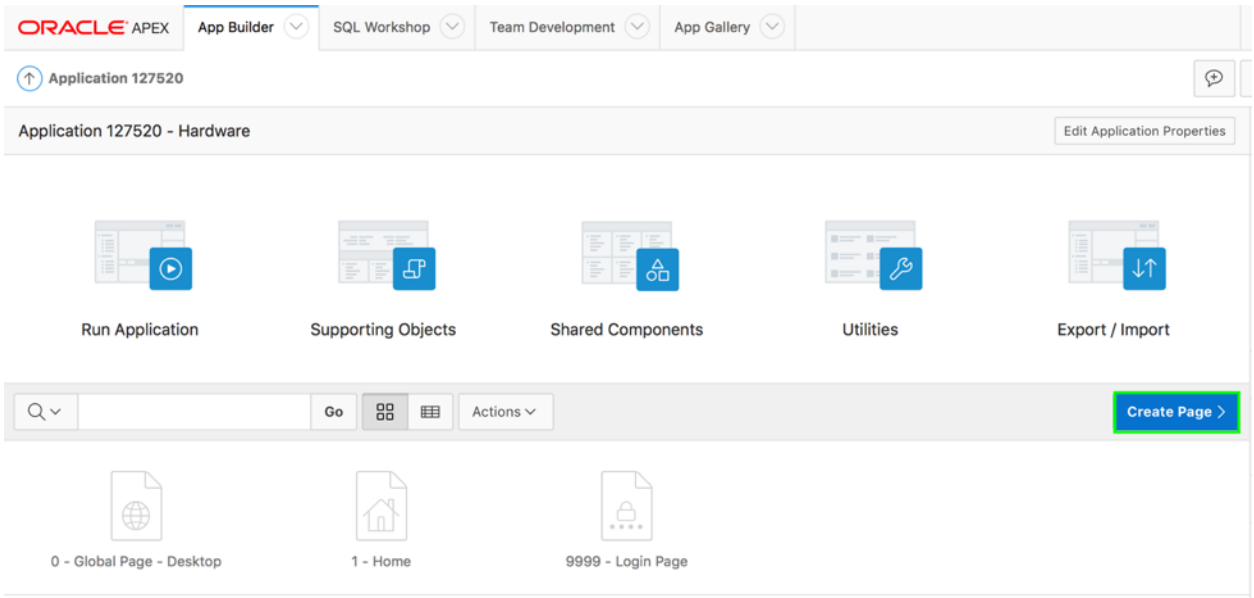
11. In the Developer Toolbar, click **Home**.

HOL 5-2 Creating an Interactive Report

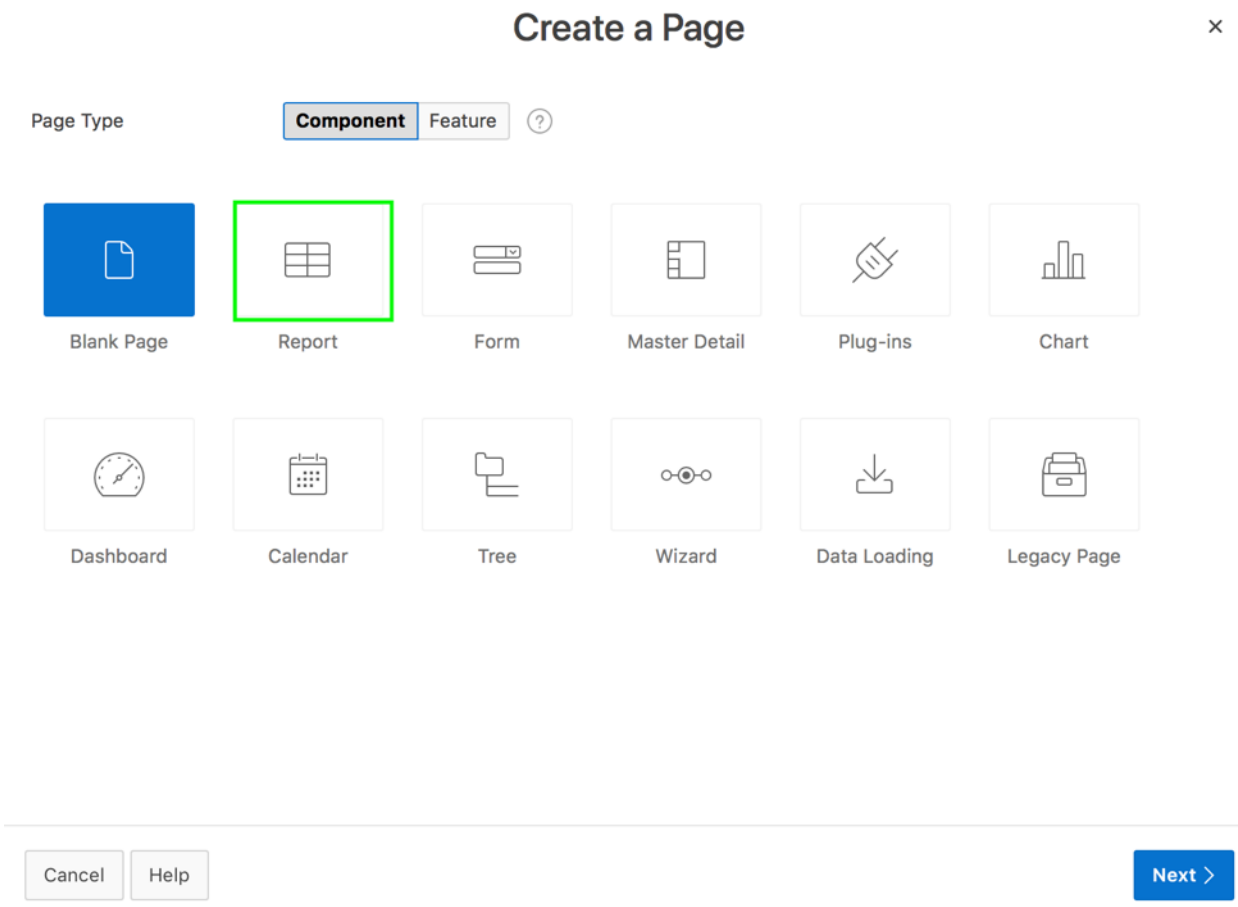
In this lab, you create an interactive report on the `HARDWARE` table. You created this table in HOL 2-2. First, you create a database application and then you create the interactive report page.

1. Create a database application. Perform the following steps:
   a) Navigate to App Builder. Click **Create**.
   b) Click **New Application**.
   c) Enter **Hardware** for Name, accept the remaining defaults and click **Create Application**.

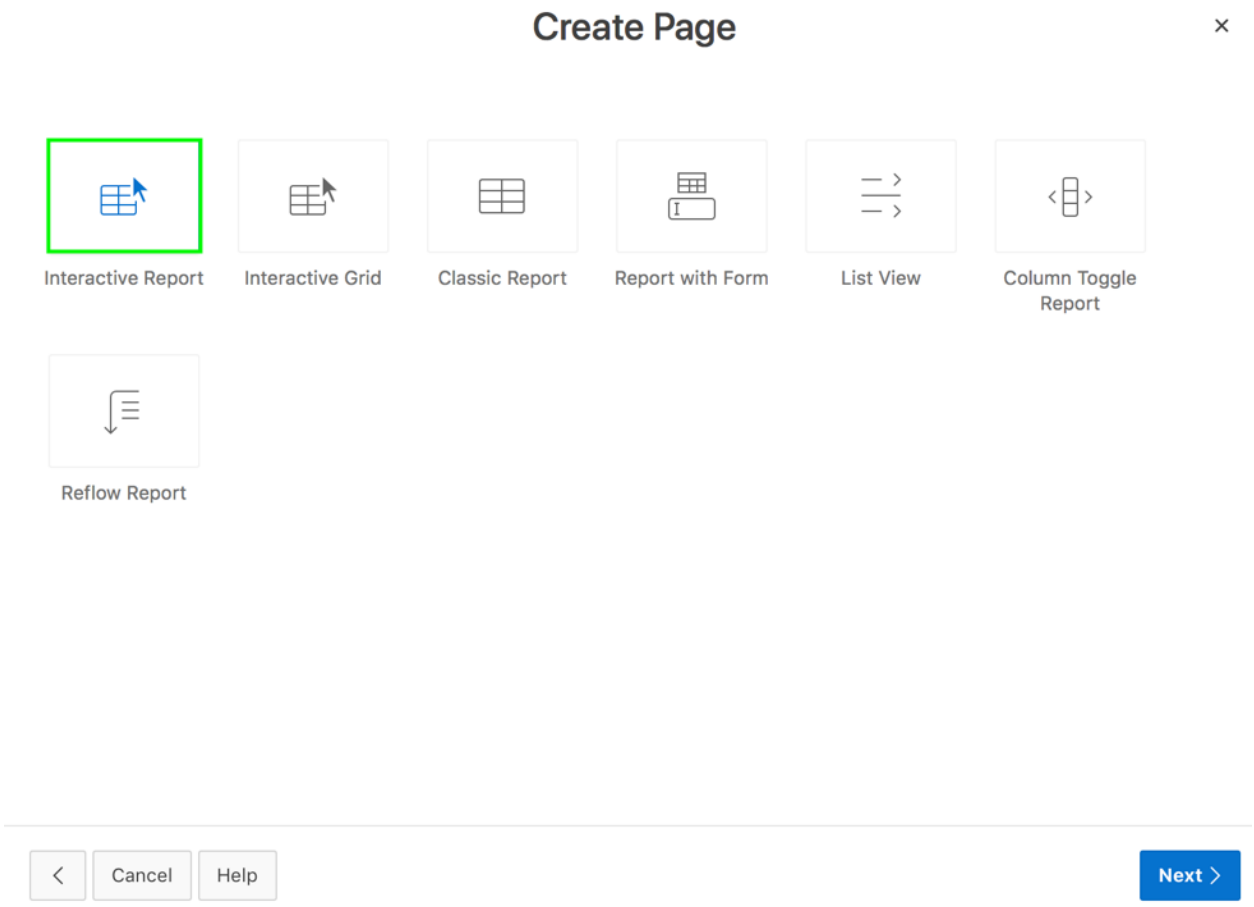
2. Now, create an interactive report on the HARDWARE table. On the application home page, click **Create Page**.



3. Select **Report** for Page Type, and click **Next**.

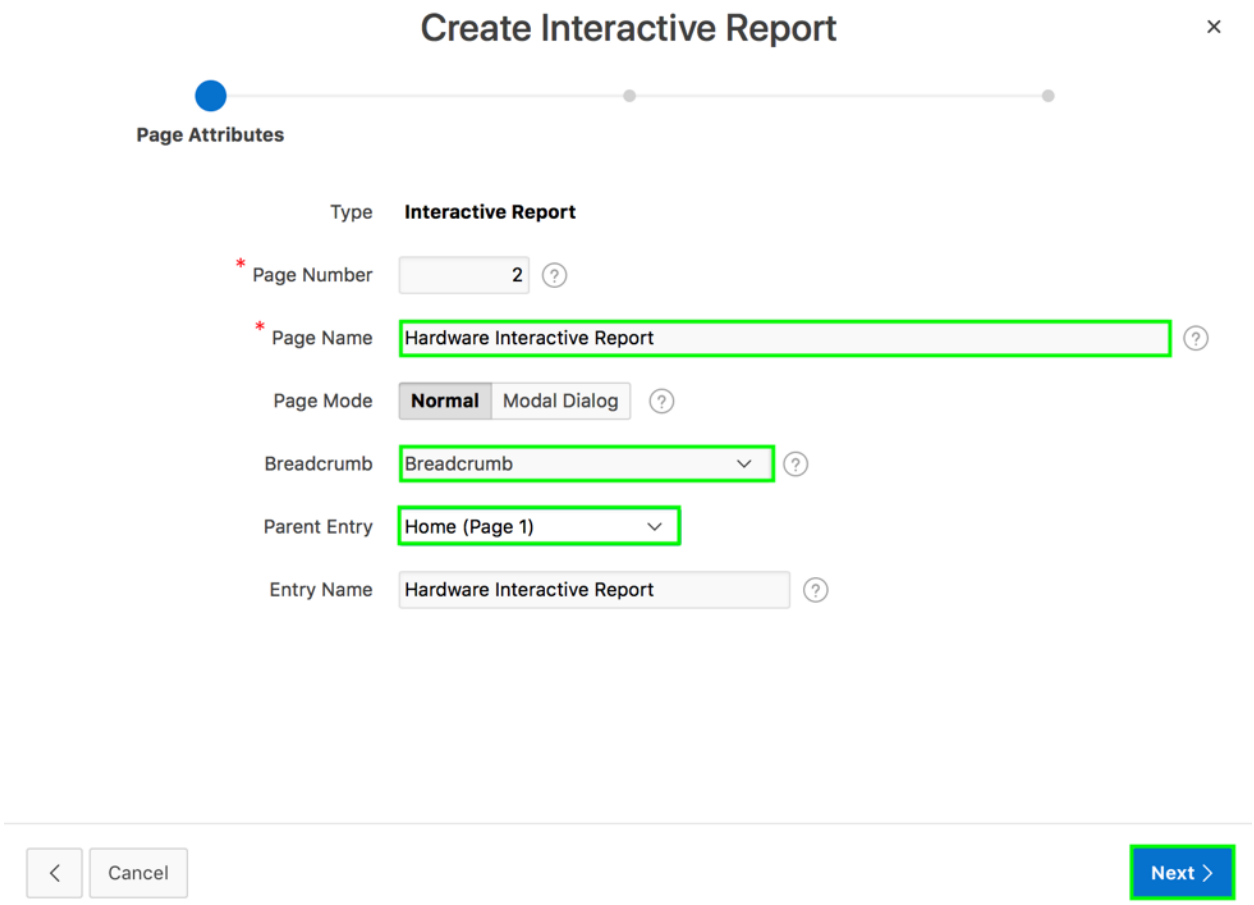

Create a Page
Page Type
Component
Feature
Blank Page
Report
Form
Master Detail
Plug-ins
Chart
Dashboard
Calendar
Tree
Wizard
Data Loading
Legacy Page
Cancel
Help
Next

4. Select **Interactive Report** and click **Next**.



5. For Page Attributes:
   - Page Name: Enter **Hardware Interactive Report**
   - Breadcrumb: Select **Breadcrumb**
   - Parent Entry: **Home**

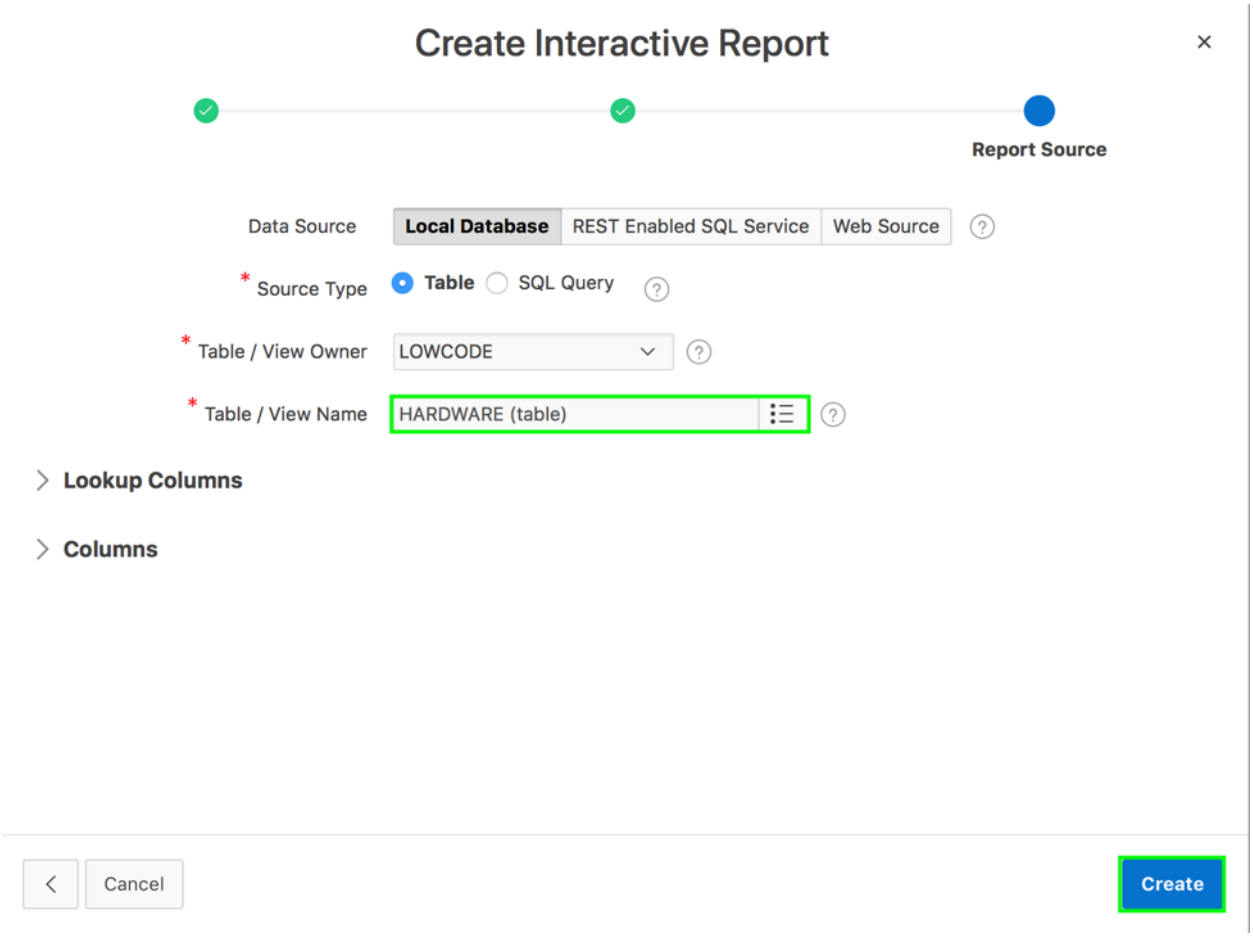
Click **Next**.



6. For Navigation Menu:
   - Navigation Preference: Select **Create a new navigation menu entry**
   - Parent Navigation Menu Entry: **Home**

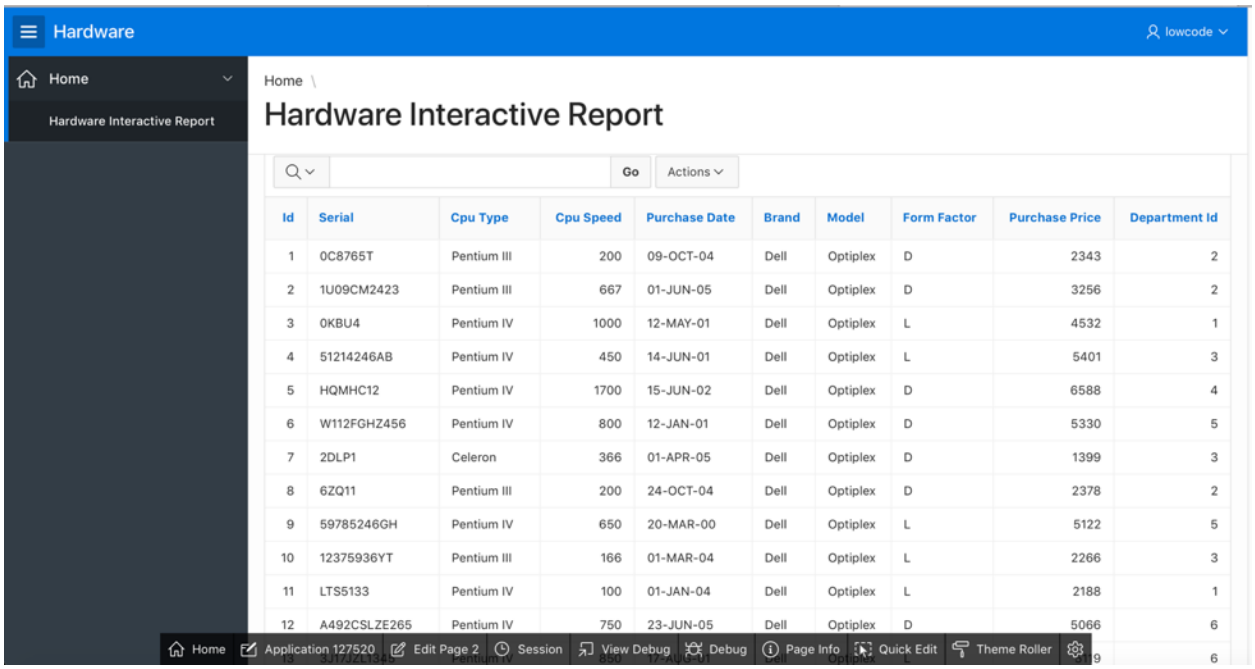
   Click **Next**.

7. For Report Source > Table / View Name, select **HARDWARE** and click **Create**.



8. Click **Save and Run Page**.

9. Enter your Workspace username and password. Click **Sign In**. Your interactive report might look like:

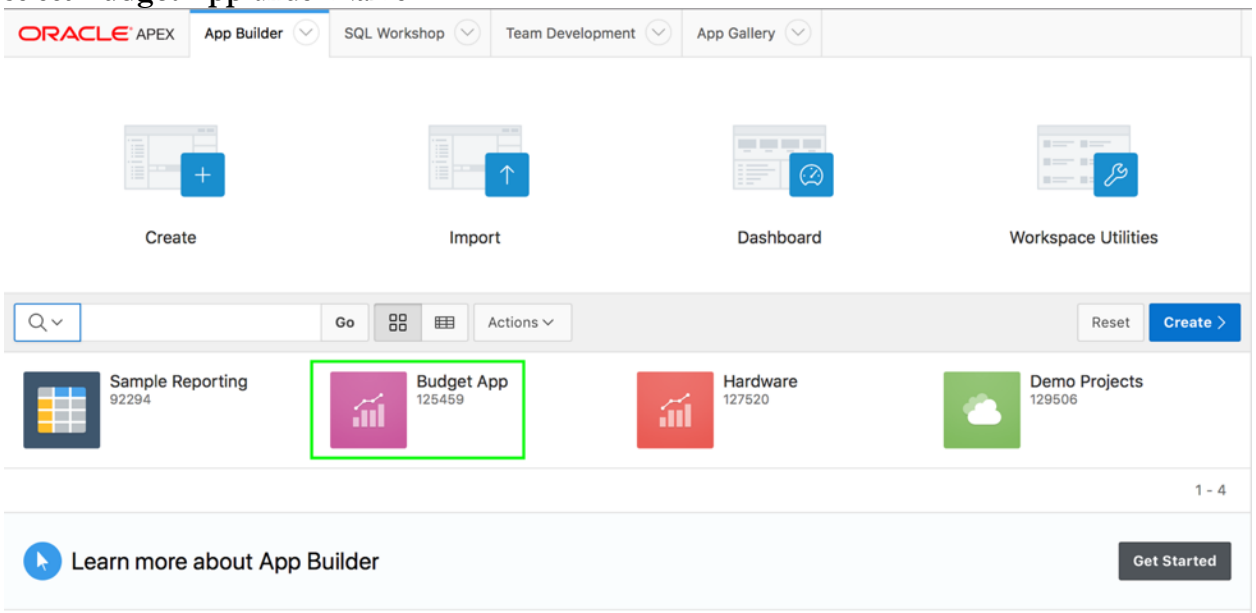


10. In the Developer Toolbar, click **Home**.

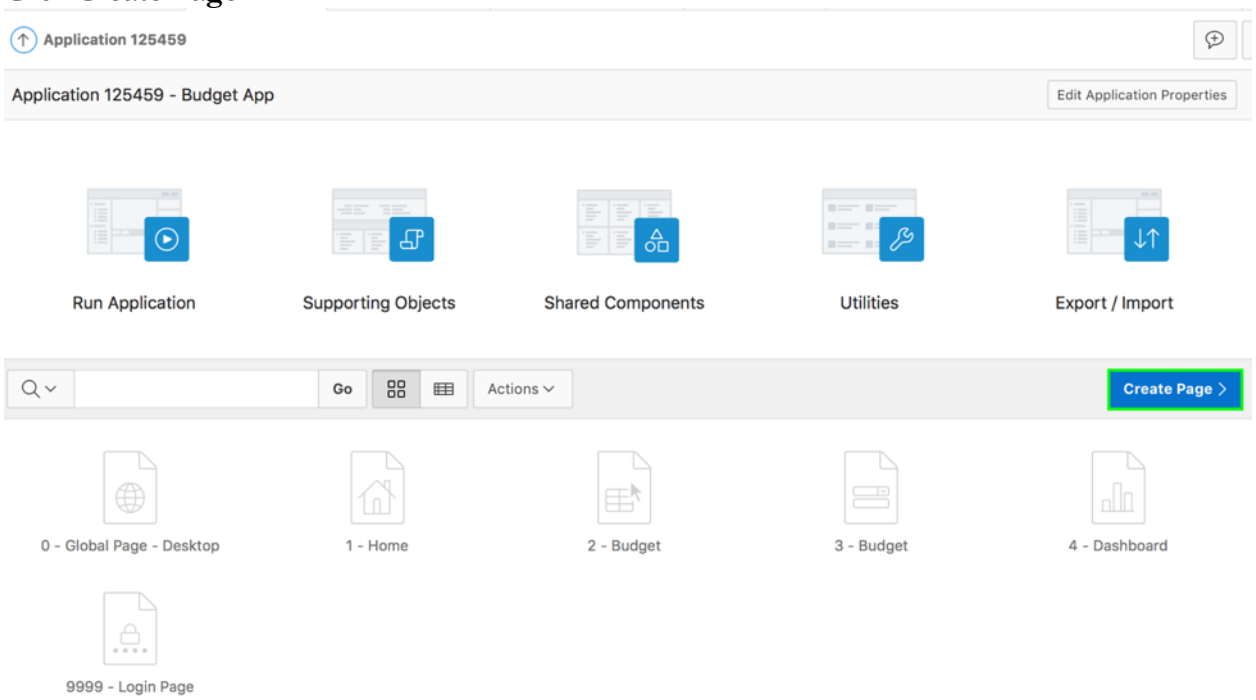
HOL 5-3 Creating an Interactive Grid

In this lab, you create an interactive grid on the `PROJECT_BUDGET` table. You already created the Budget App application in HOL 3-2. Now, you create an interactive grid in the Budget App application.

1. Navigate to **Application Builder**. Select **Budget App**. If you are in the View Report mode, select **Budget App** under Name.

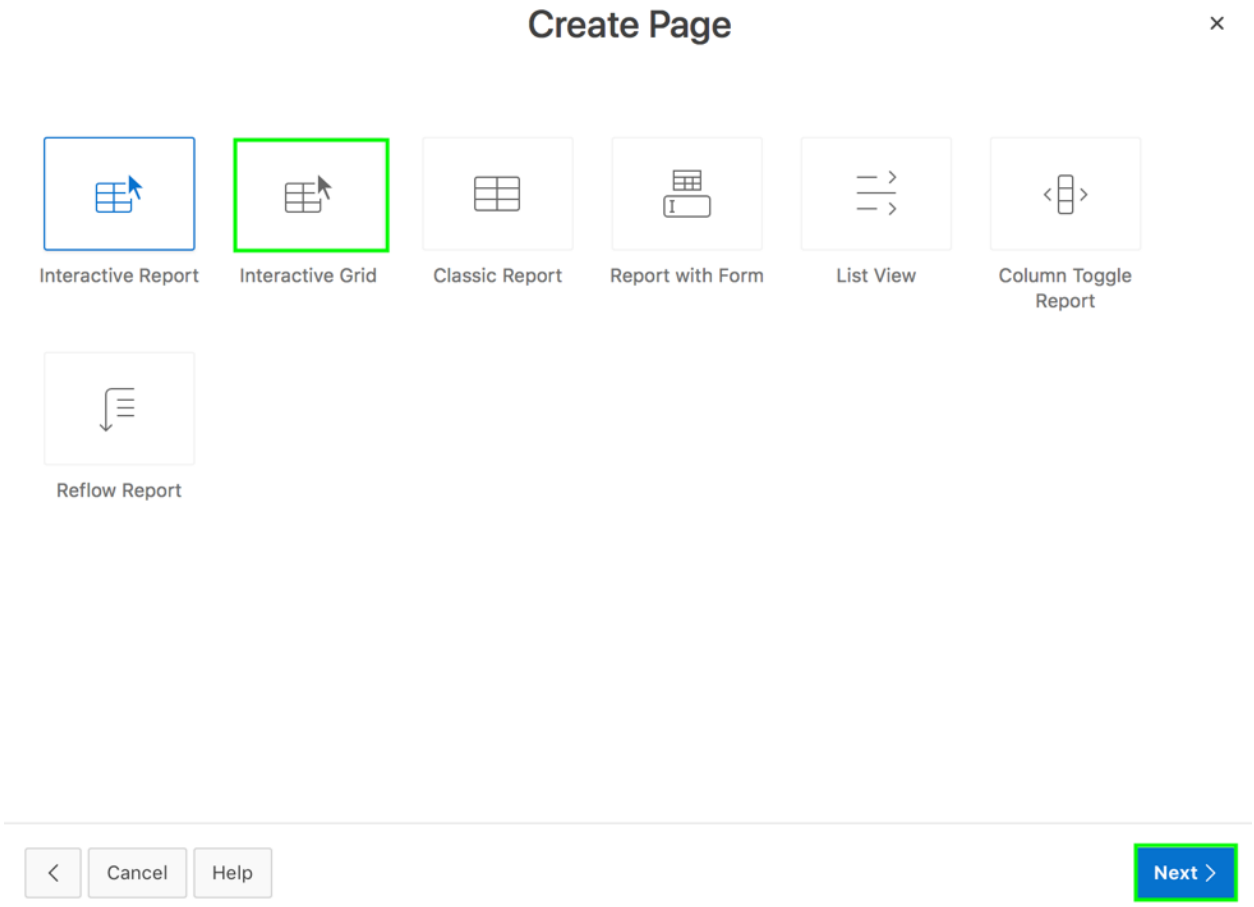


2. Click **Create Page**.



3. Select **Report** and click **Next**.

4. Select **Interactive Grid** and click **Next**.



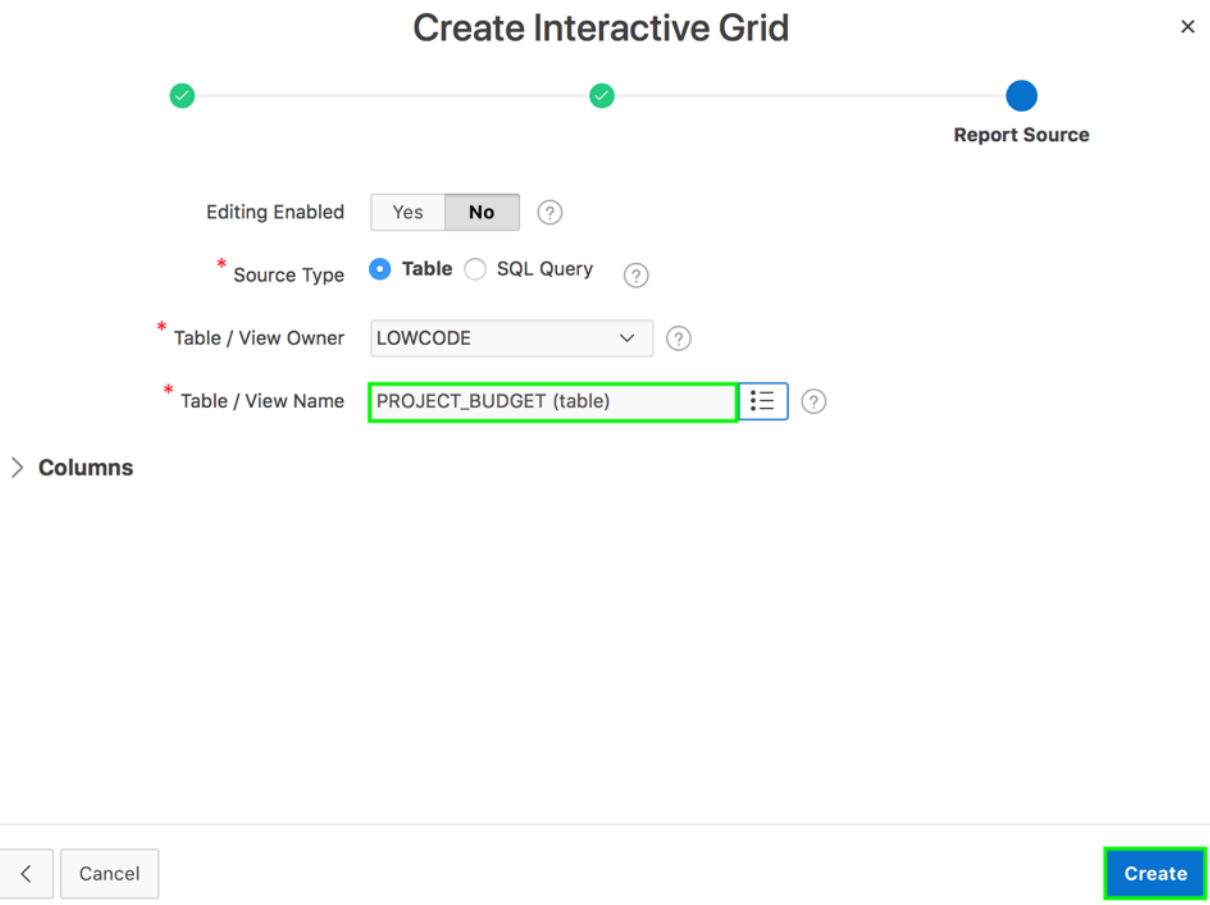
5. For Page Attributes, Enter **Project Budget Interactive Grid** for Page Name and click **Next**.

6. For Navigation Menu:
   - Navigation Preference: Select **Create a new navigation menu entry**
   - New Navigation Menu Entry: **Interactive Grid**

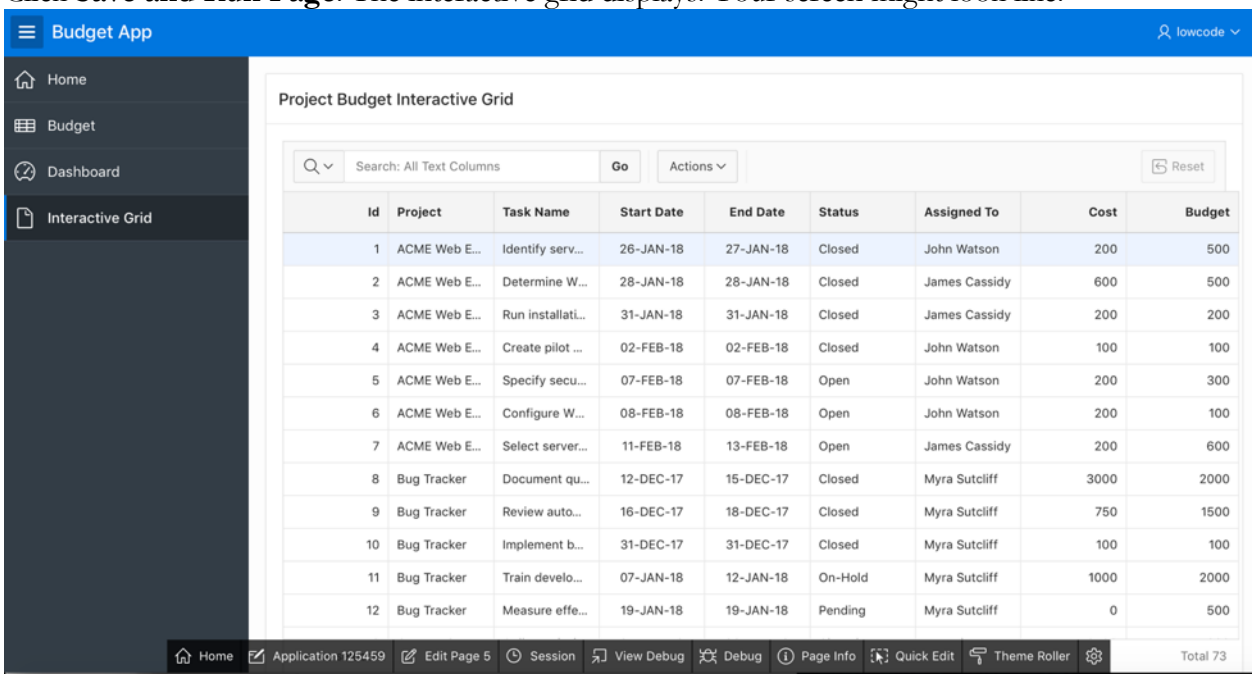
   Click **Next**.

7. In the Report Source dialog, note that you can set the Editing Enabled to Yes or No. In this lab, you accept the default, **No**.

Select **Project_Budget** for Table / View Name and click **Create**.



8. Click **Save and Run Page**. The interactive grid displays. Your screen might look like:



9. In the Developer Toolbar, click **Home**.





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