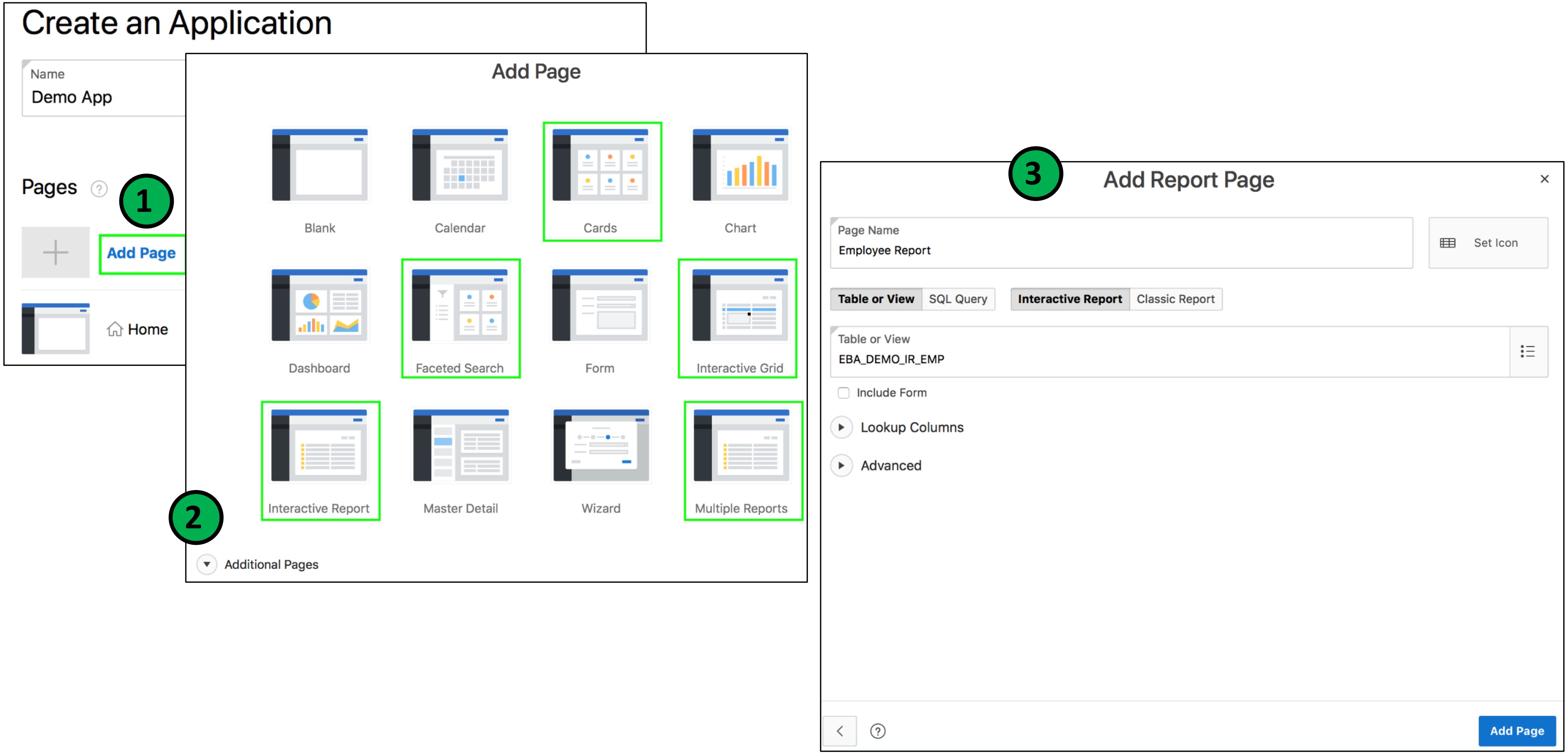
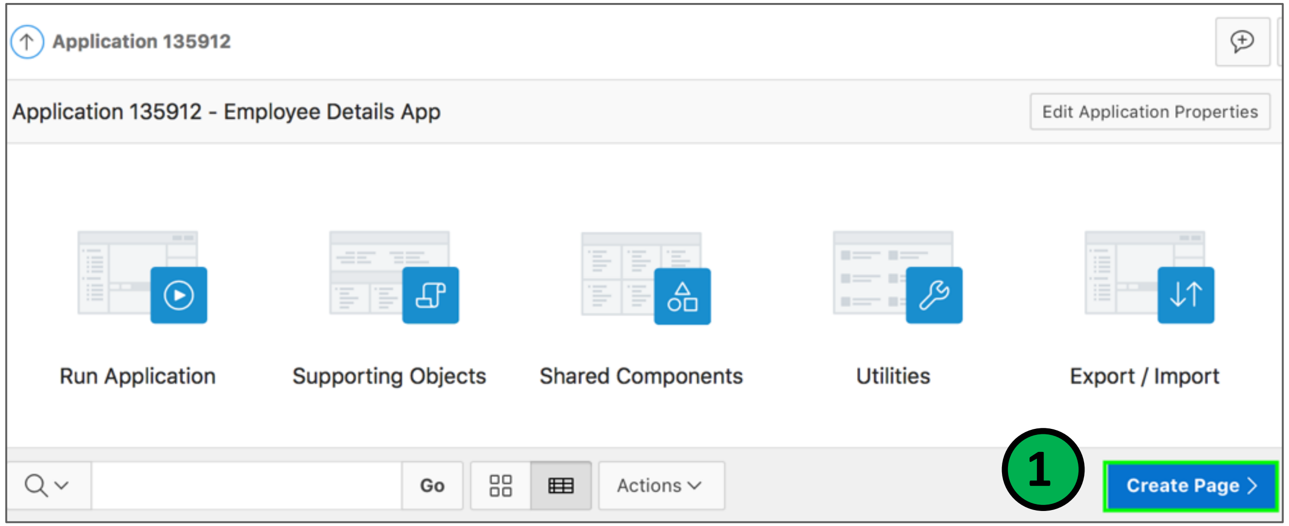
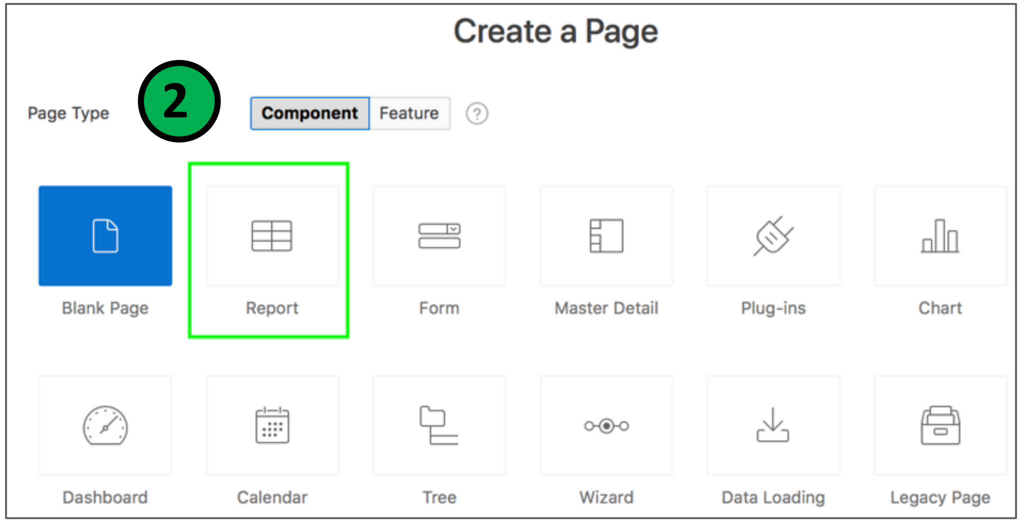
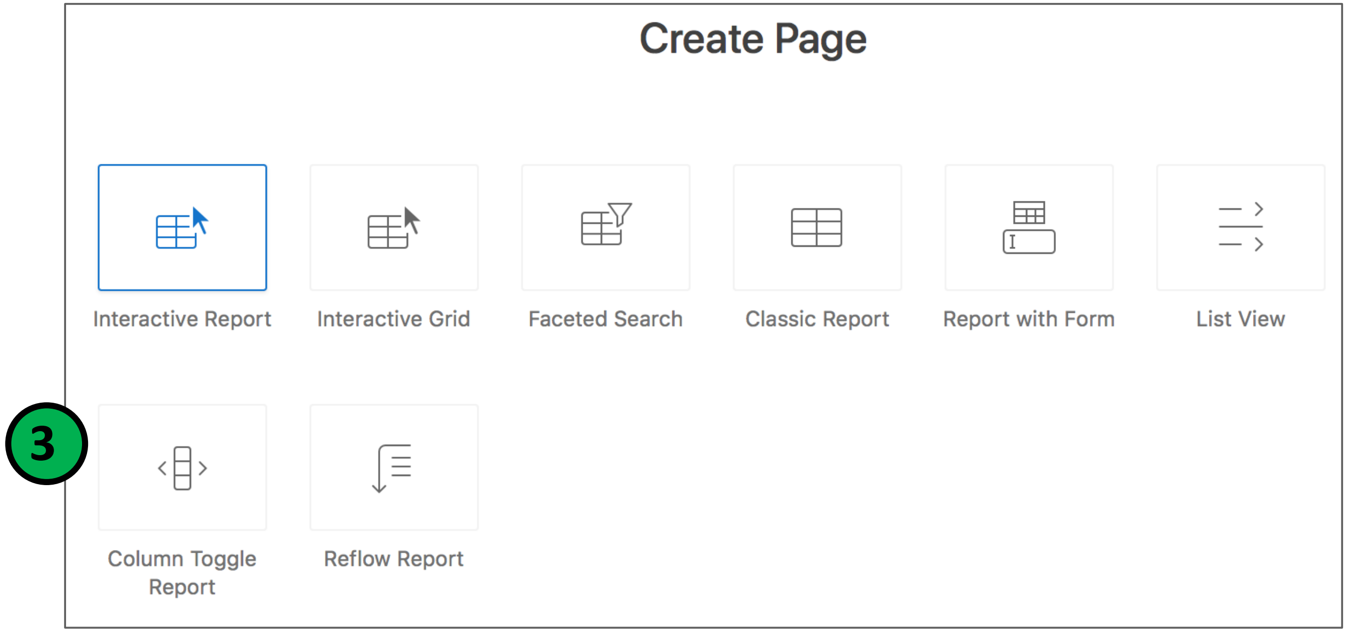
Creating a Report Using the Create Application Wizard



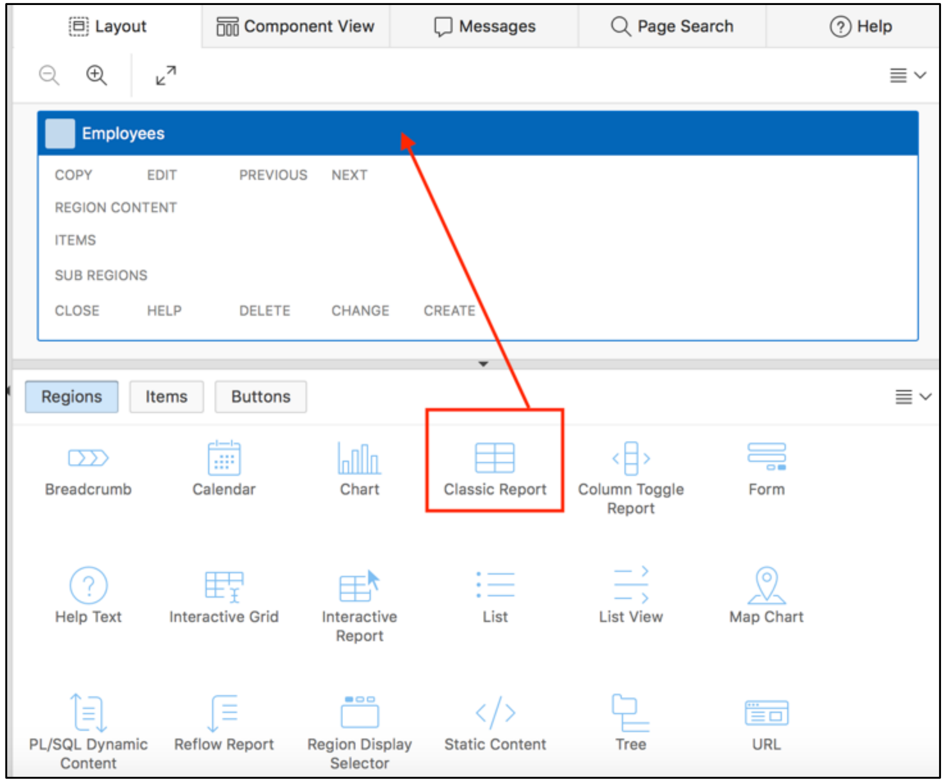
Creating a Report Using the Create Page Wizard



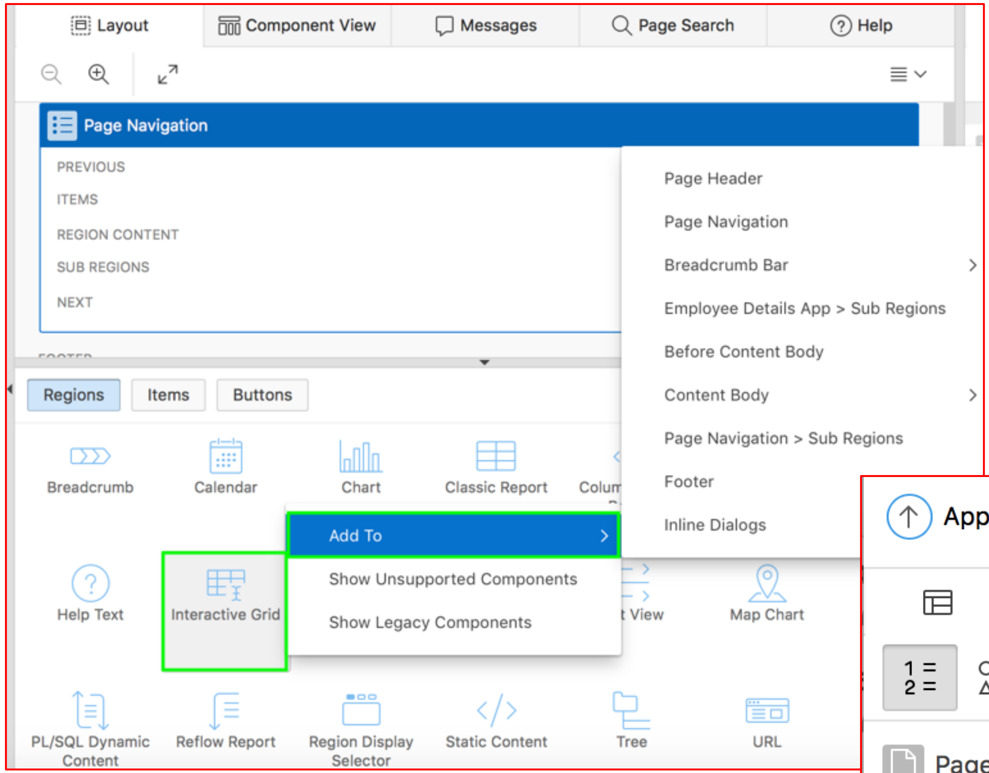




Creating a Report Region in Page Designer

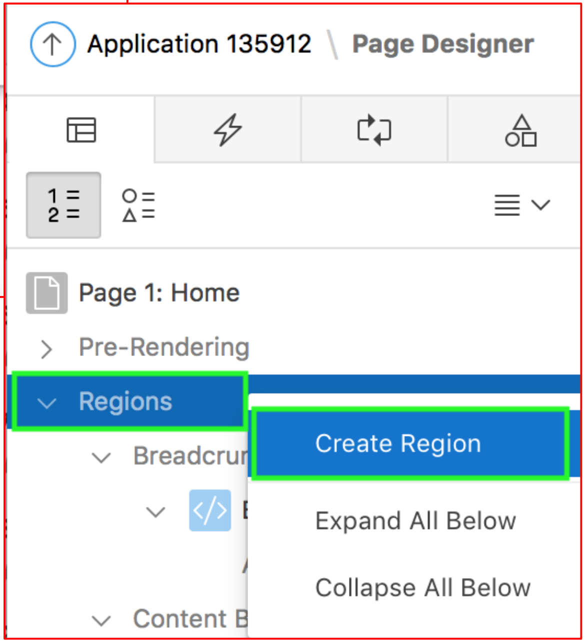


Dragging and dropping from the gallery

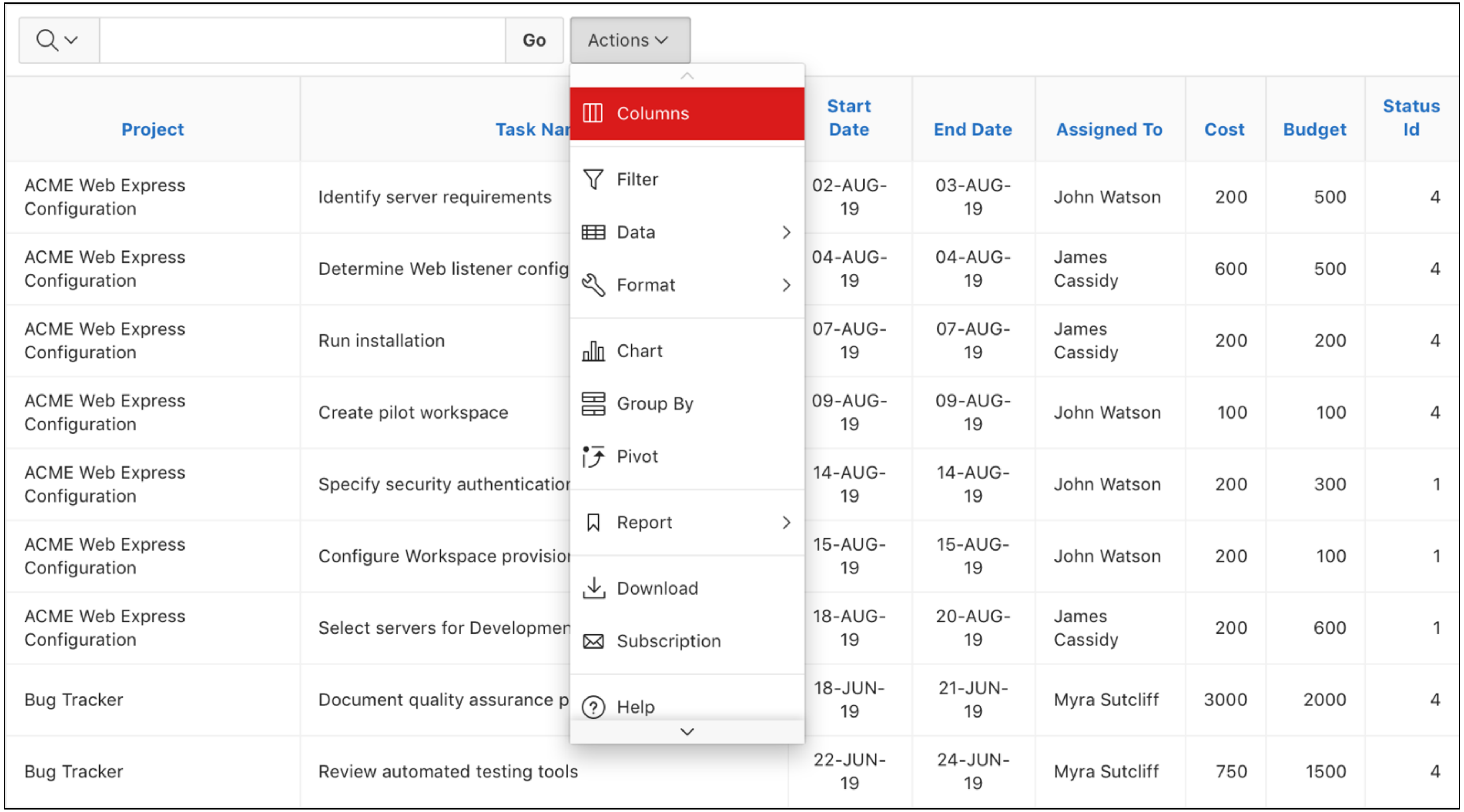


Using gallery context menu

Using context menu

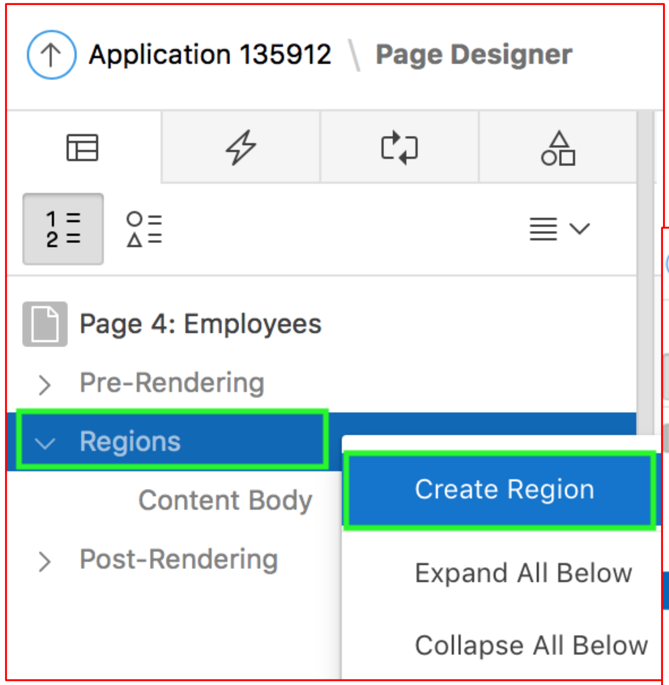


What is an Interactive Report?

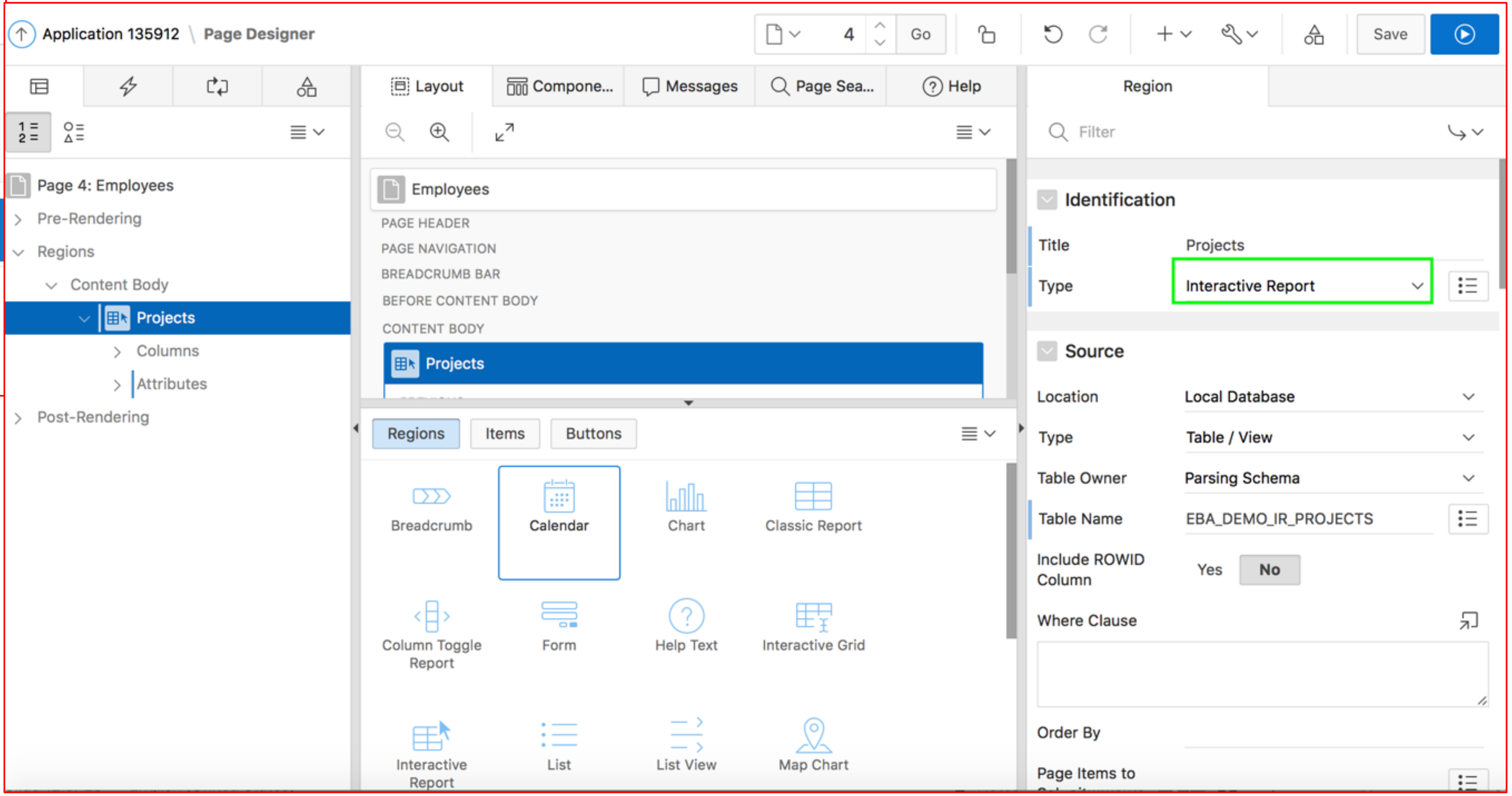


Project	Task Nar	Start Date	End Date	Assigned To	Cost	Budget	Status Id
ACME Web Express Configuration	Identify server requirements	02-AUG-19	03-AUG-19	John Watson	200	500	4
ACME Web Express Configuration	Determine Web listener config	04-AUG-19	04-AUG-19	James Cassidy	600	500	4
ACME Web Express Configuration	Run installation	07-AUG-19	07-AUG-19	James Cassidy	200	200	4
ACME Web Express Configuration	Create pilot workspace	09-AUG-19	09-AUG-19	John Watson	100	100	4
ACME Web Express Configuration	Specify security authenticatior	14-AUG-19	14-AUG-19	John Watson	200	300	1
ACME Web Express Configuration	Configure Workspace provisior	15-AUG-19	15-AUG-19	John Watson	200	100	1
ACME Web Express Configuration	Select servers for Developmen	18-AUG-19	20-AUG-19	James Cassidy	200	600	1
Bug Tracker	Document quality assurance p	18-JUN-19	21-JUN-19	Myra Sutcliff	3000	2000	4
Bug Tracker	Review automated testing tools	22-JUN-19	24-JUN-19	Myra Sutcliff	750	1500	4

Creating an Interactive Report Region: Example



Using context menu



What is an Interactive Grid?

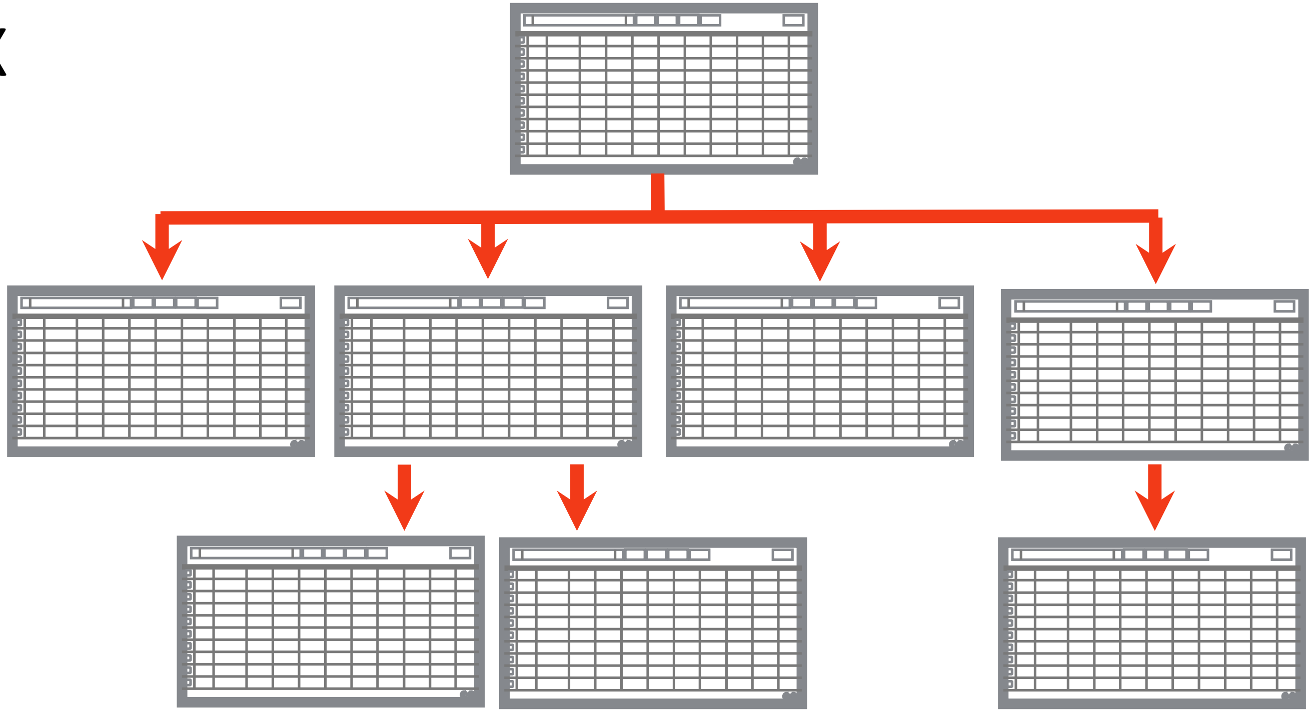
Projects Grid

Search: All Text Columns Go Actions Reset

Project	Task Name	Start Date	End Date	Assigned To	Cost	Budget	Status Id
ACME Web Expr...	Identify server r...	02-AUG-19	03-AUG-19	John Watson	200	500	4
ACME Web Expr...	Determine Web l...	04-AUG-19	04-AUG-19	James Cassidy	600	500	4
ACME Web Expr...	Run installation	07-AUG-19	07-AUG-19	James Cassidy	200	200	4
ACME Web Expr...	Create pilot wor...	09-AUG-19	09-AUG-19	John Watson	100	100	4
ACME Web Expr...	Specify security...	14-AUG-19	14-AUG-19	John Watson	200	300	1
ACME Web Expr...	Configure Work...	15-AUG-19	15-AUG-19	John Watson	200	100	1
ACME Web Expr...	Select servers f...	18-AUG-19	20-AUG-19	James Cassidy	200	600	1
Bug Tracker	Document qualit...	18-JUN-19	21-JUN-19	Myra Sutcliff	3000	2000	4
Bug Tracker	Review automat...	22-JUN-19	24-JUN-19	Myra Sutcliff	750	1500	4

Understanding Interactive Grid: Key Features

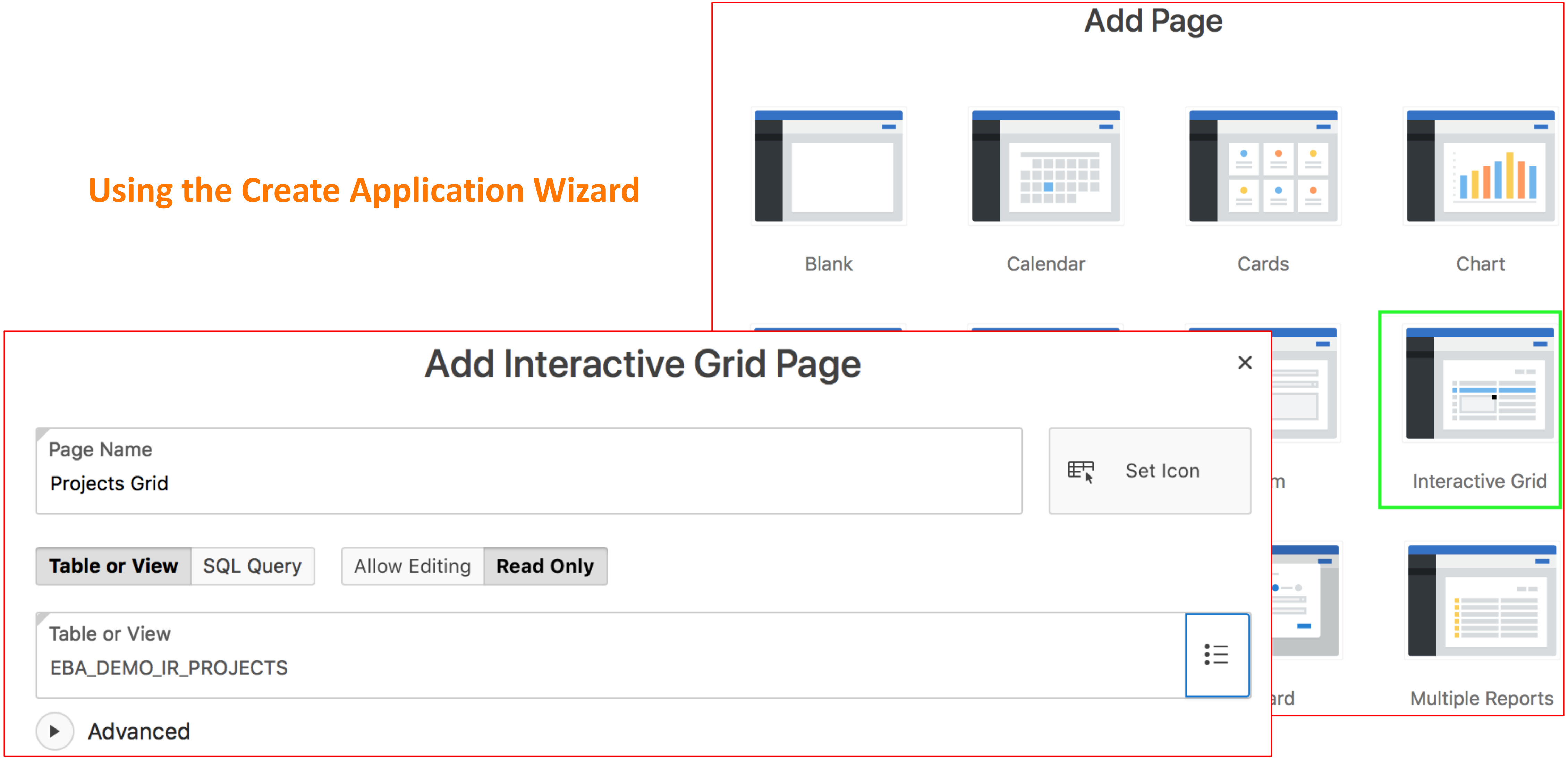
- Modern, rich, and interactive multi-row editing component
- JSON-based, lightweight AJAX communications
- Extensible and customizable
- Accessible, key board support, right-to-left support
- Upgrade utility for tabular forms
- Master Detail / Detail



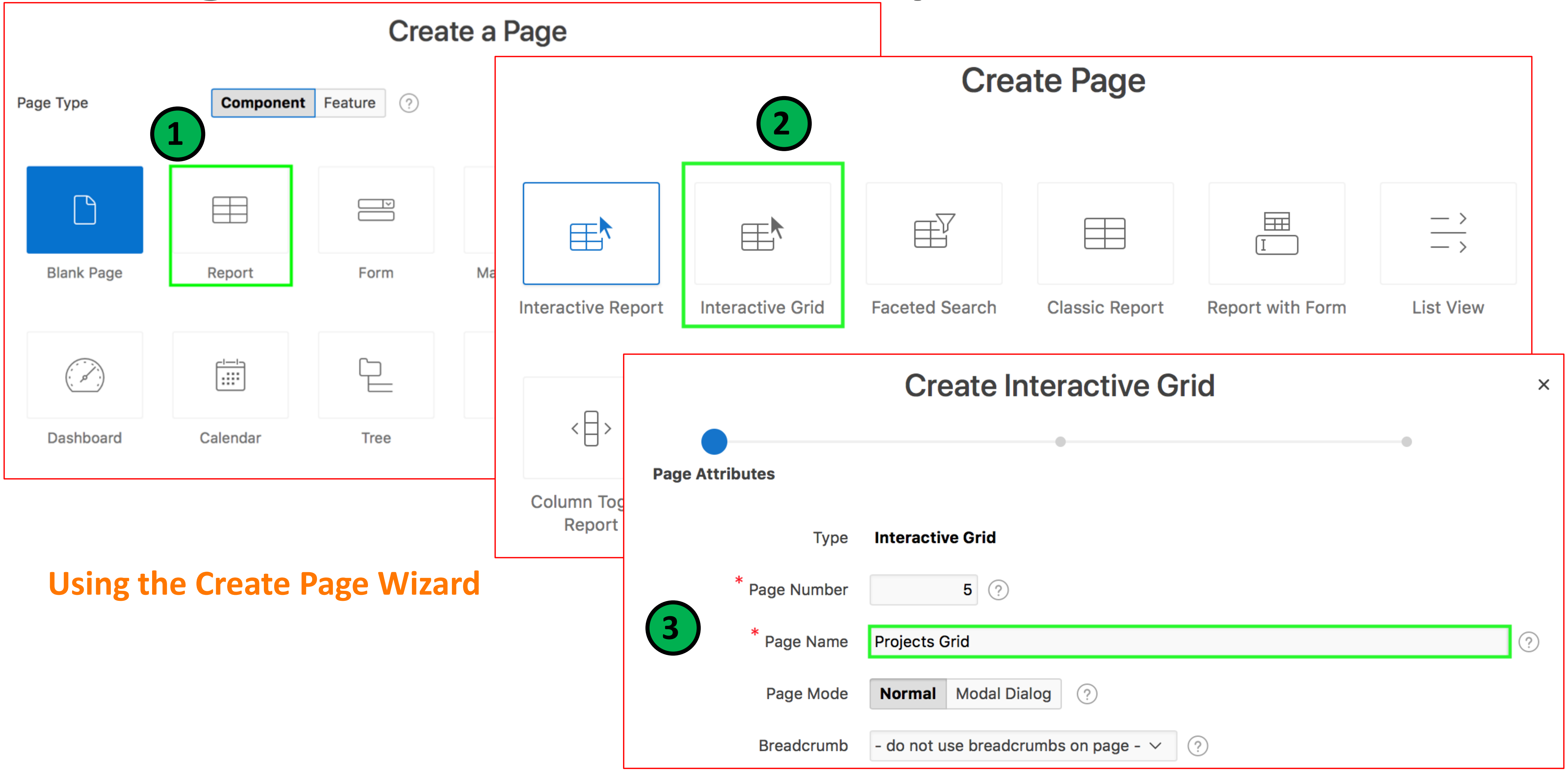
Master Detail Layout – Any Combination

Creating an Interactive Grid: Example 1

Using the Create Application Wizard

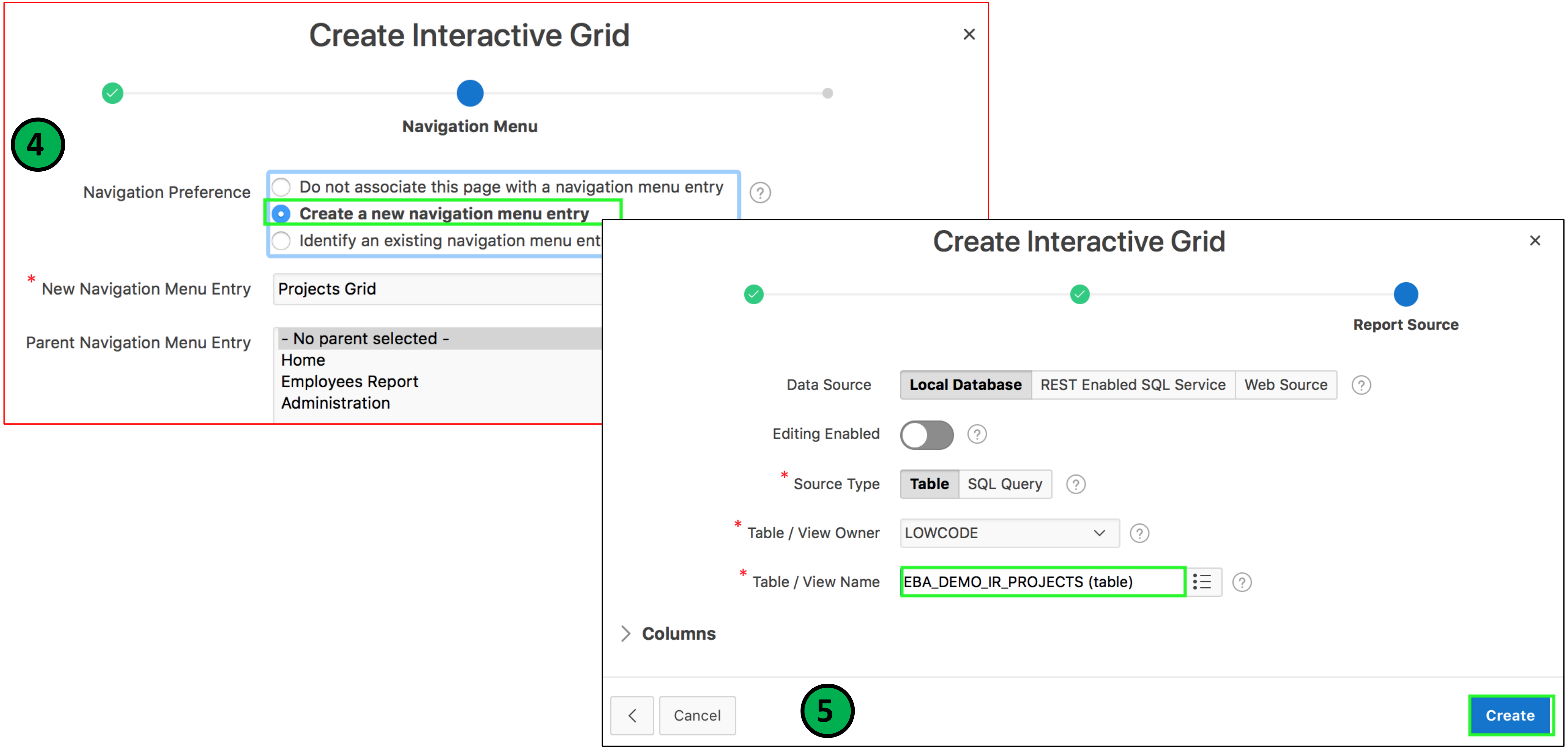


Creating an Interactive Grid: Example 2



Using the Create Page Wizard

Creating an Interactive Grid: Example 2

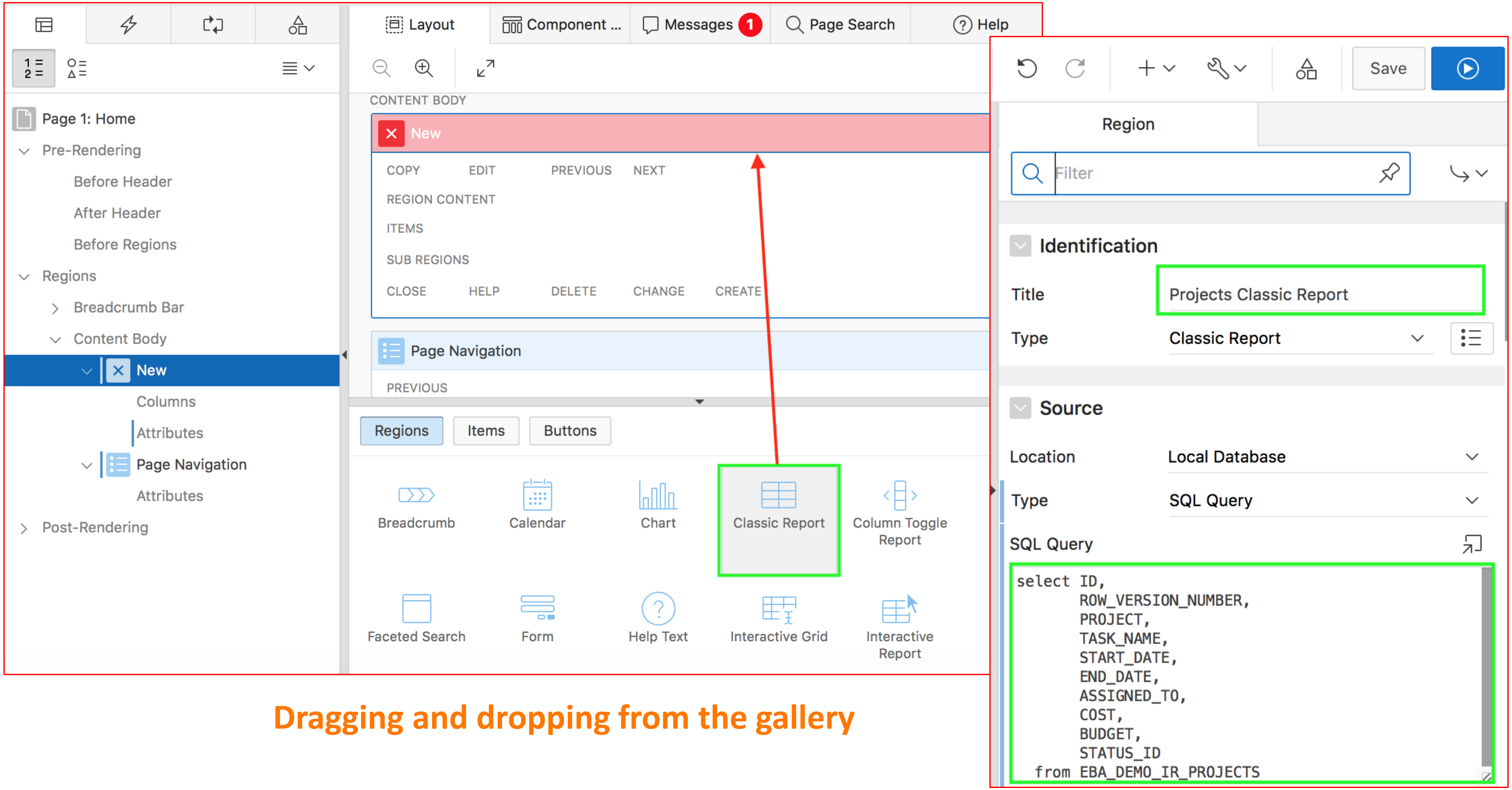


What is a Classic Report?

Projects Classic Report

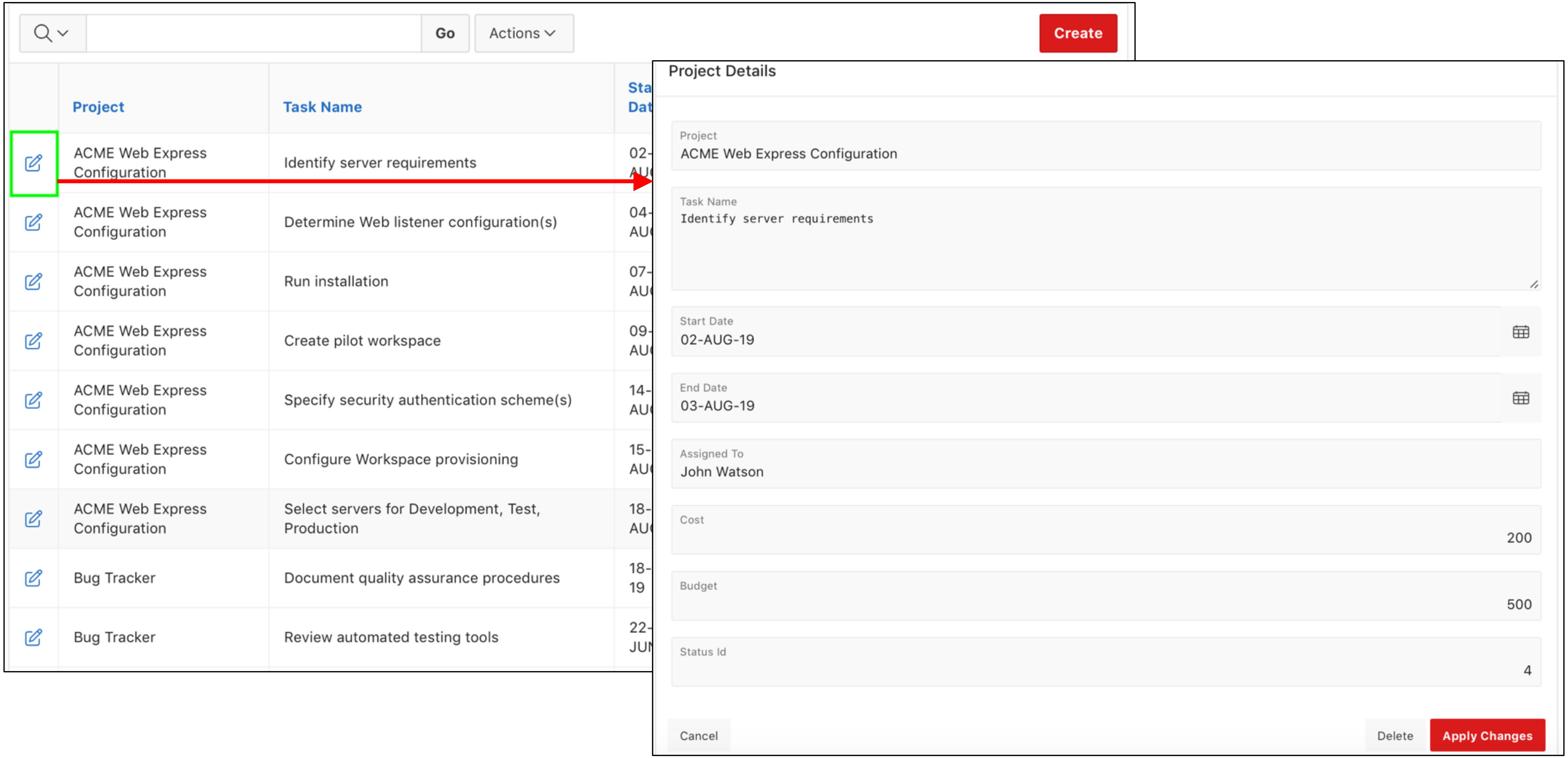
Project	Task Name	Start Date	End Date	Assigned To	Cost	Budget	Status Id
ACME Web Express Configuration	Identify server requirements	02-AUG-19	03-AUG-19	John Watson	200	500	4
ACME Web Express Configuration	Determine Web listener configuration(s)	04-AUG-19	04-AUG-19	James Cassidy	600	500	4
ACME Web Express Configuration	Run installation	07-AUG-19	07-AUG-19	James Cassidy	200	200	4
ACME Web Express Configuration	Create pilot workspace	09-AUG-19	09-AUG-19	John Watson	100	100	4
ACME Web Express Configuration	Specify security authentication scheme(s)	14-AUG-19	14-AUG-19	John Watson	200	300	1
ACME Web Express Configuration	Configure Workspace provisioning	15-AUG-19	15-AUG-19	John Watson	200	100	1
ACME Web Express Configuration	Select servers for Development, Test, Production	18-AUG-19	20-AUG-19	James Cassidy	200	600	1
Bug Tracker	Document quality assurance procedures	18-JUN-19	21-JUN-19	Myra Sutcliff	3000	2000	4
Bug Tracker	Review automated testing tools	22-JUN-19	24-JUN-19	Myra Sutcliff	750	1500	4

Creating a Classic Report in Page Designer: Example

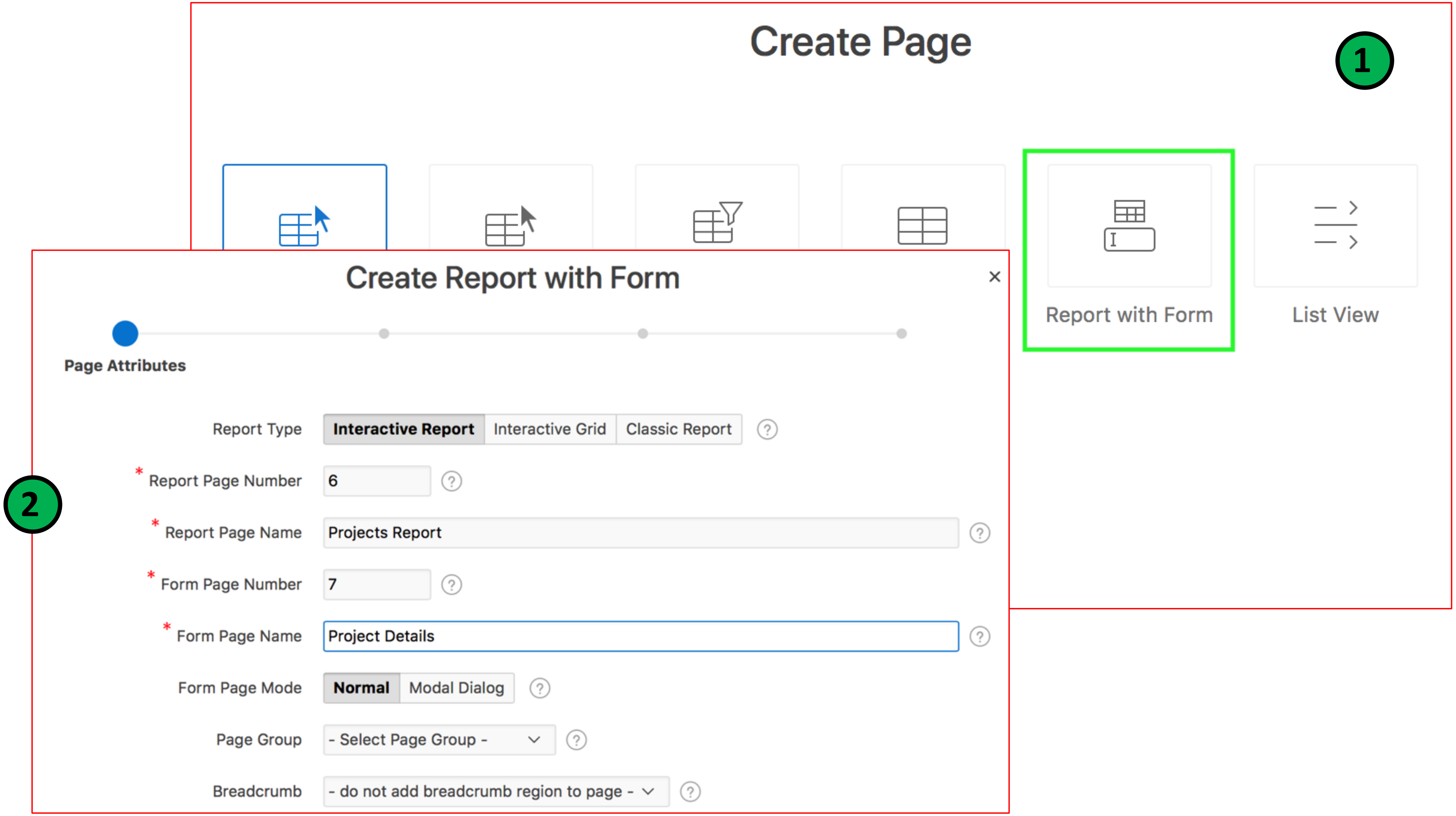


Dragging and dropping from the gallery

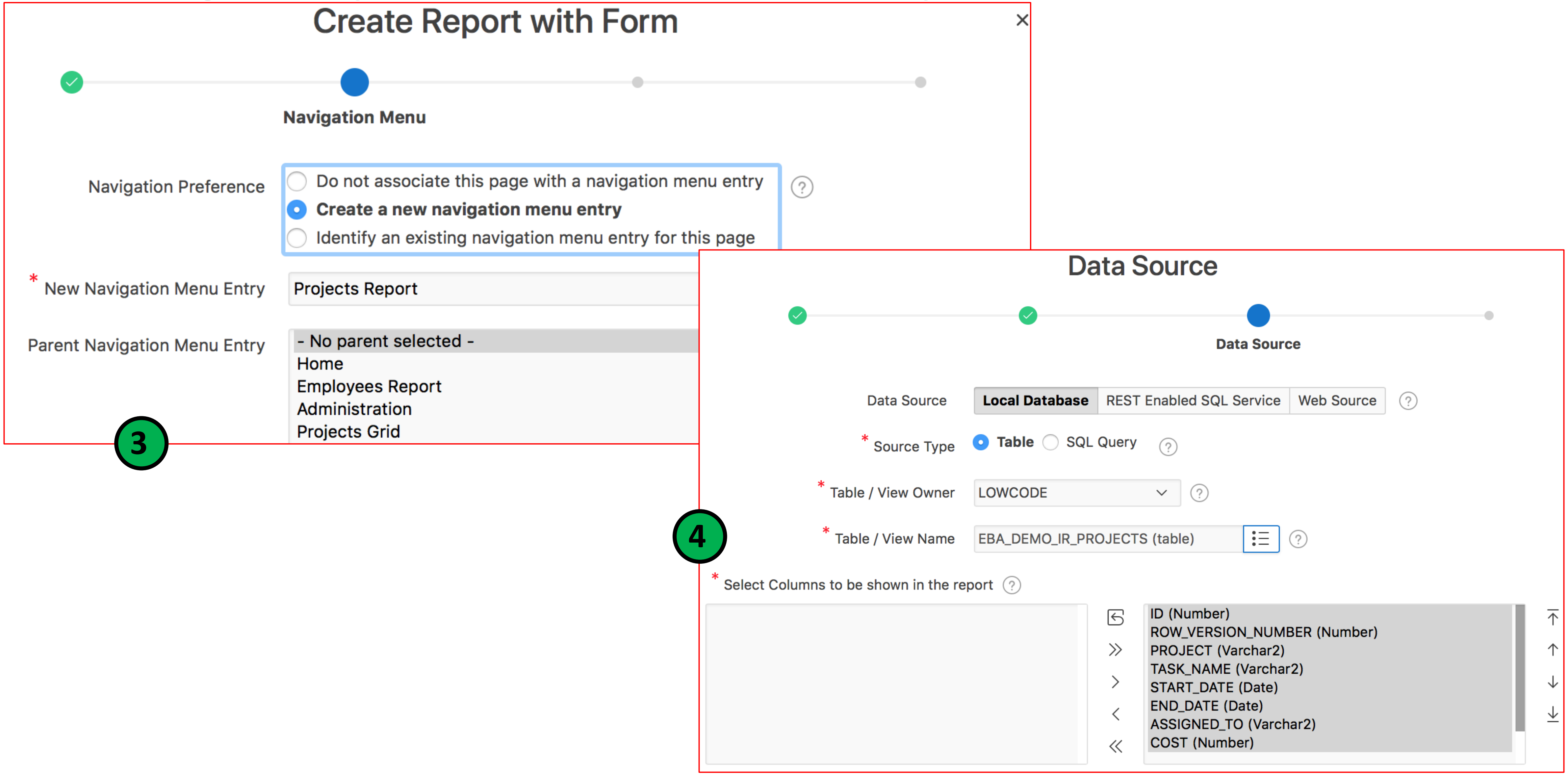
Creating a Report with Form



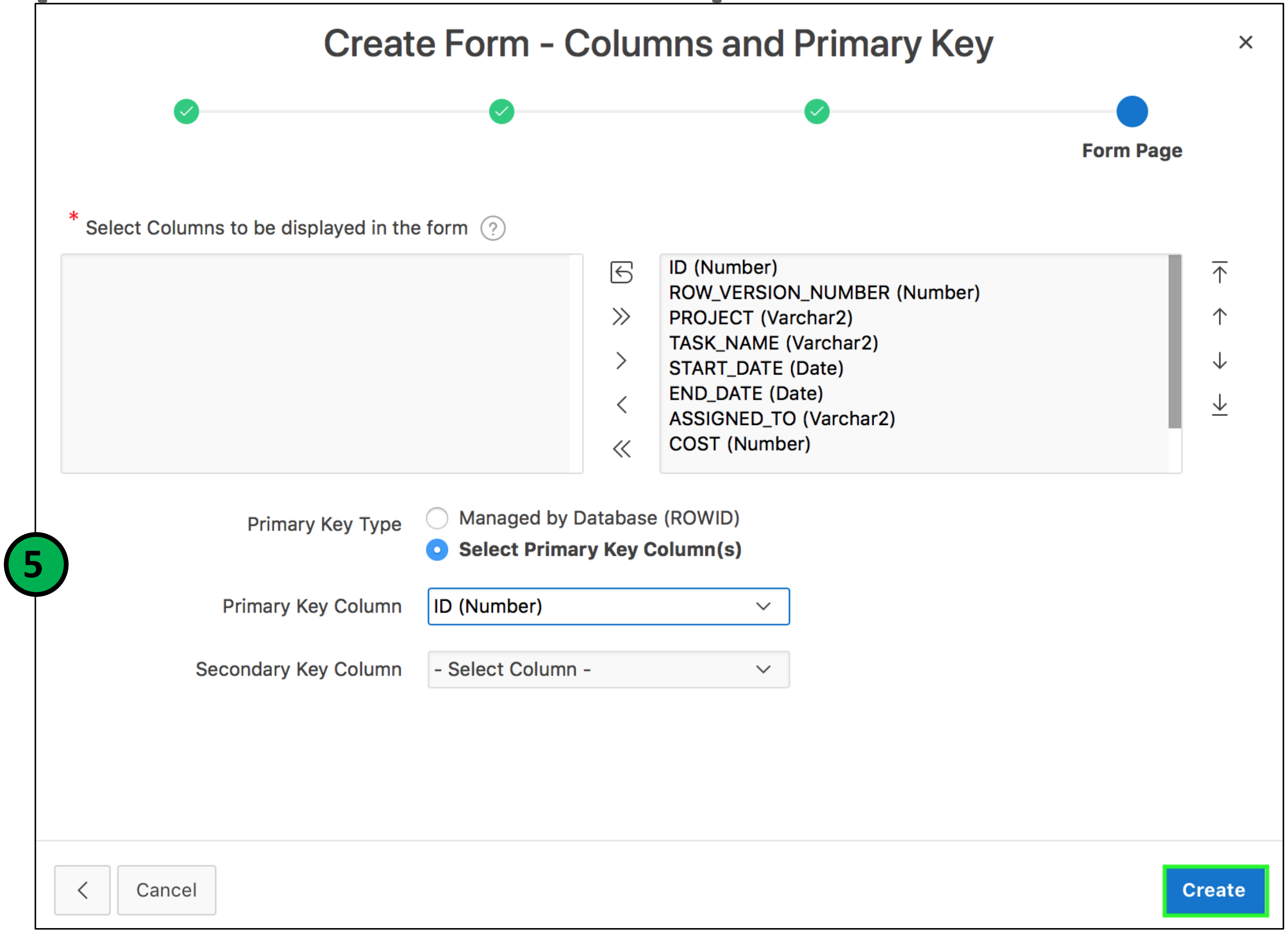
Creating a Report with Form: Example



Creating a Report with Form: Example



Creating a Report with Form: Example



Creating a Faceted Search Page

Search... Go

Job

- Sales Representative (30)
- Shipping Clerk (20)
- Stock Clerk (20)
- Accountant (5)
- Programmer (5)

Show More

Manager

- Steven (14)
- Adam (8)
- Kevin (8)
- Matthew (8)
- Payam (8)

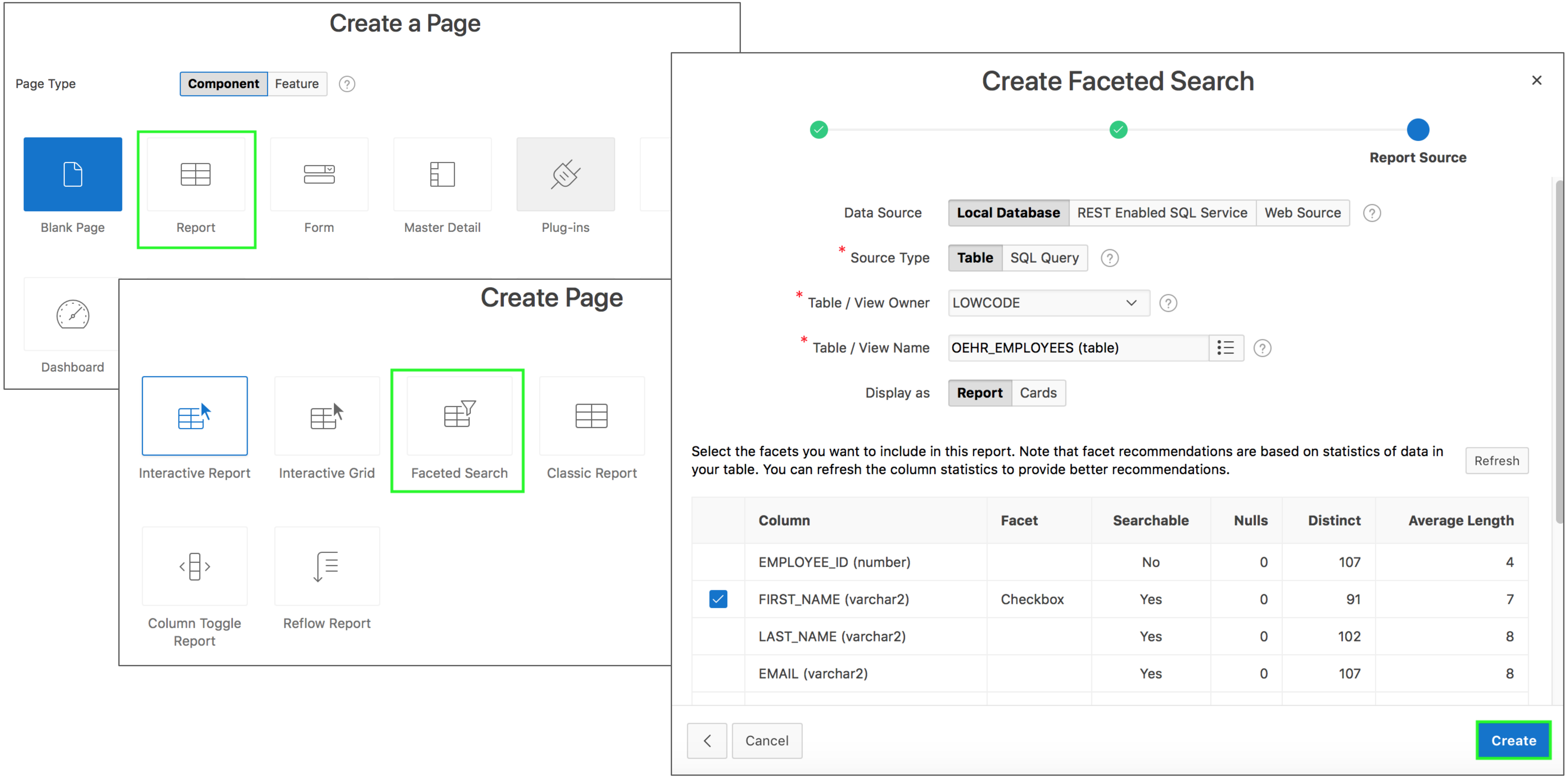
Show More

Department

- Shipping (45)
- Sales (34)
- Finance (6)
- Purchasing (6)

First Name ↑	Last Name	Email	Phone Number	Hire Date	Job	Salary	Commission Percent	Manager	Department
Adam	Fripp	AFRIPP	650.123.2234	8/24/2016	Stock Manager	8,200		Steven	Shipping
Alana	Walsh	AWALSH	650.507.9811	9/7/2017	Shipping Clerk	3,100		Kevin	Shipping
Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	7/24/2016	Sales Manager	12,000	0.30	Steven	Sales
Alexander	Hunold	AHUNOLD	590.423.4567	5/19/2009	Programmer	9,000		Lex	IT
Alexander	Khoo	AKHOO	515.127.4562	10/1/2014	Purchasing Clerk	3,100		Den	Purchasing
Alexis	Bull	ABULL	650.509.2876	7/6/2016	Shipping Clerk	4,100		Adam	Shipping
Allan	McEwen	AMCEWEN	011.44.1345.829268	12/16/2015	Sales Representative	9,000	0.35	Karen	Sales
Alyssa	Hutton	AHUTTON	011.44.1644.429266	8/2/2016	Sales Representative	8,800	0.25	Eleni	Sales
Amit	Banda	ABANDA	011.44.1346.729268	9/5/2019	Sales Representative	6,200	0.10	Alberto	Sales
Anthony	Cabrio	ACABRIO	650.509.4876	6/23/2018	Shipping Clerk	3,000		Adam	Shipping
Britney	Everett	BEVERETT	650.501.2876	7/17/2016	Shipping Clerk	3,900		Shanta	Shipping
Bruce	Ernst	BERNST	590.423.4568	10/4/2010	Programmer	6,000		Alexander	IT
Charles	Johnson	CJOHNSON	011.44.1644.429262	5/20/2019	Sales Representative	6,200	0.10	Eleni	Sales
Christopher	Olsen	COLSEN	011.44.1344.498718	8/13/2017	Sales Representative	8,000	0.20	John	Sales

Creating a Faceted Search Page: Example



Summary

In this lesson, you learned how to create different types of reports in Oracle Application Express. You learned to create:

- Interactive reports
- Interactive grids
- Classic reports
- Report with Form
- Faceted Search

Hands-on Lab

Oracle APEX

Unit 6: Managing and Customizing Interactive Reports

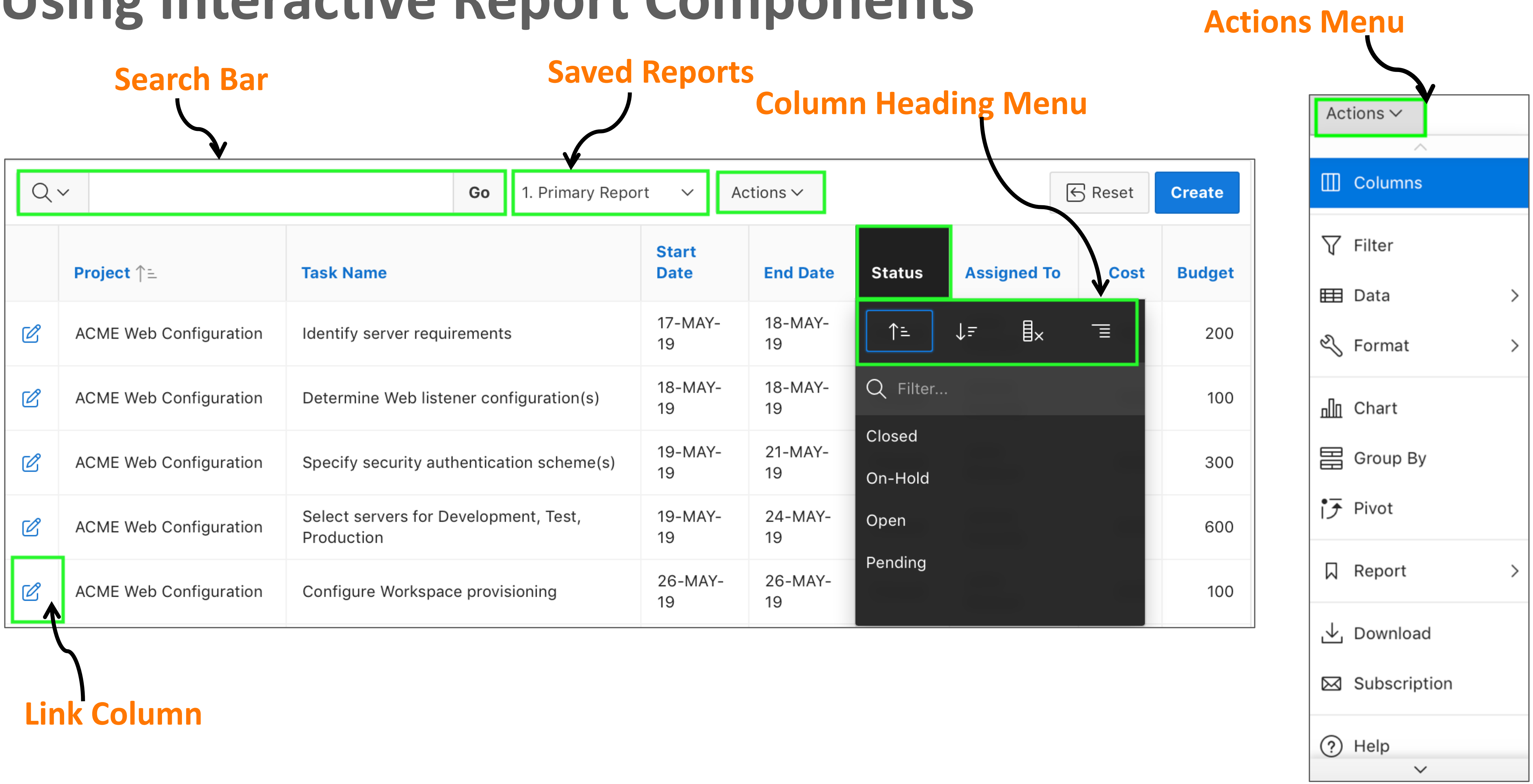
Lesson Objectives

After completing this lesson, you should be able to:

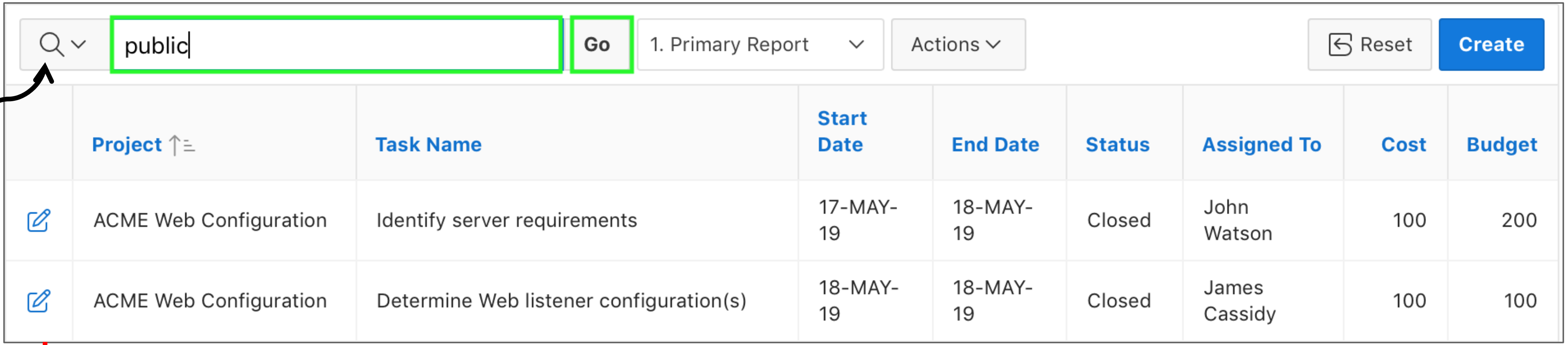
- Describe interactive report components
- Use and customize an interactive report as an end user
- Manage interactive report attributes
- Configure the display of interactive report controls as a developer

Part 1:Customizing an Interactive Report as an End User

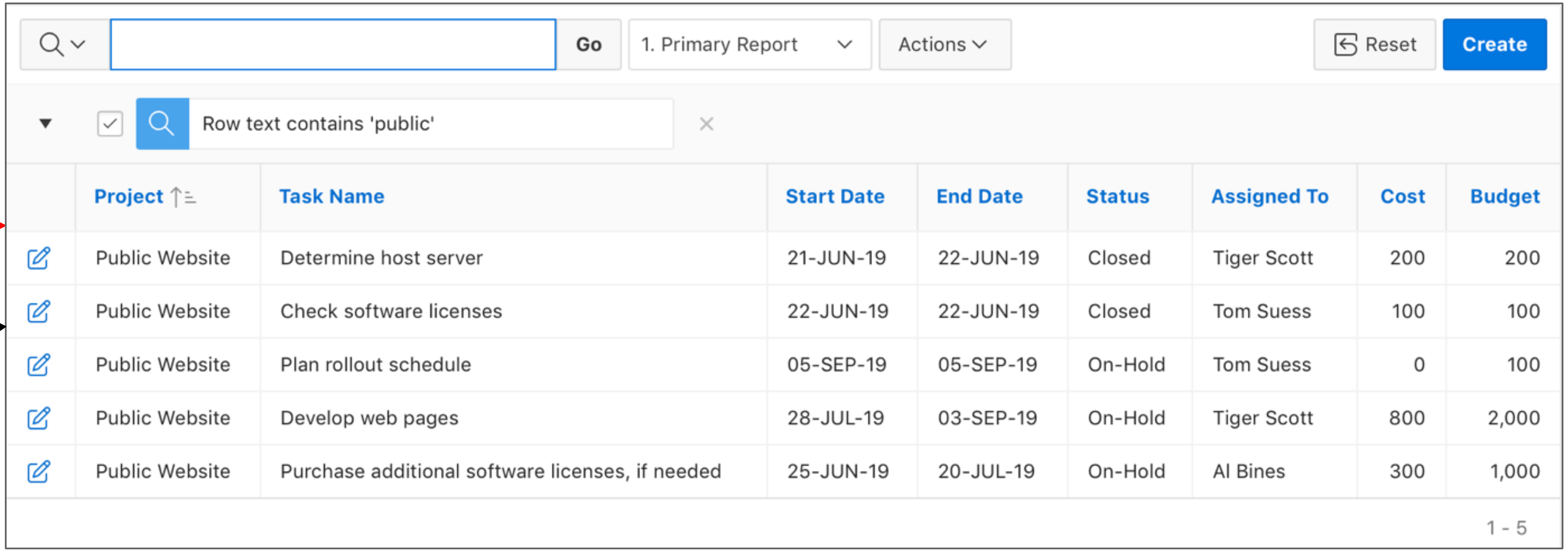
Using Interactive Report Components



Searching for Information in an Interactive Report



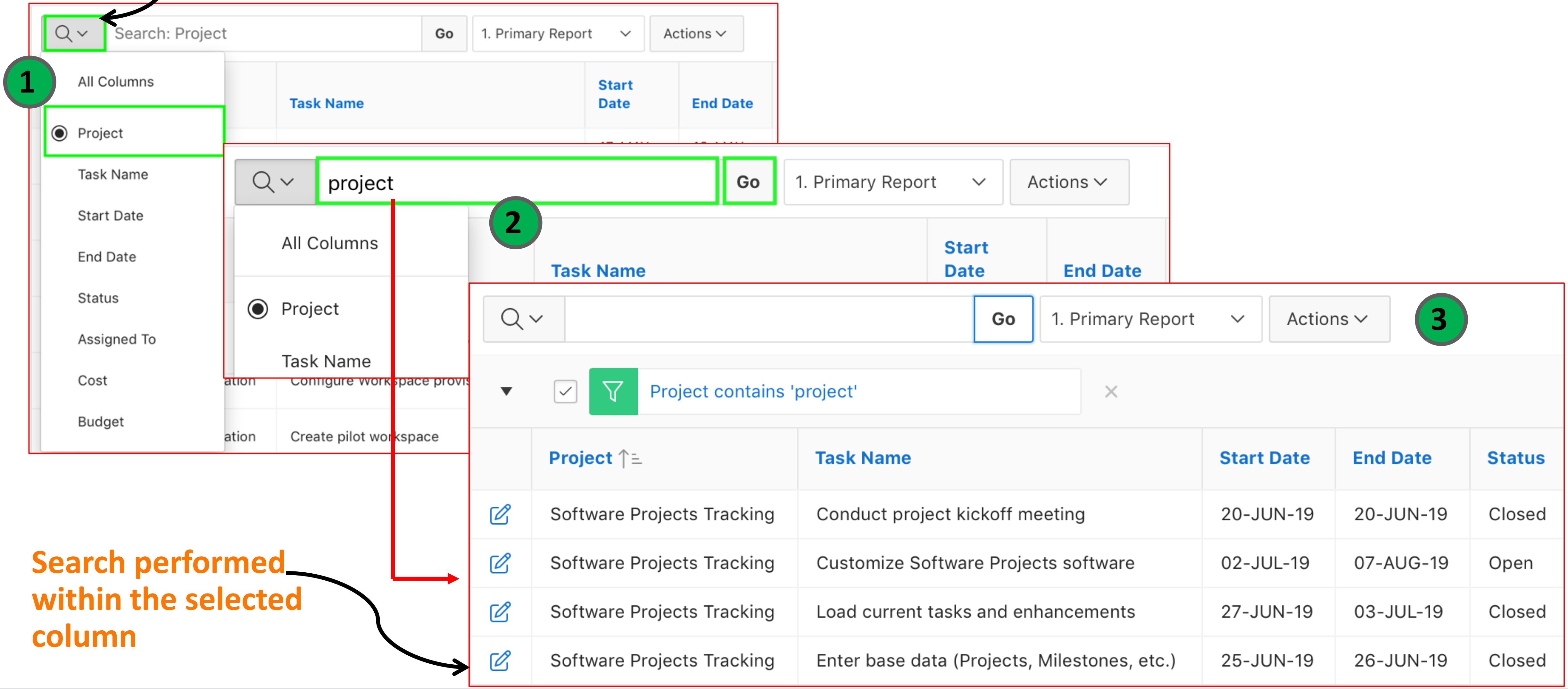
Enter your search criteria in the text area and click Go.



All rows that contain the search criteria are displayed.

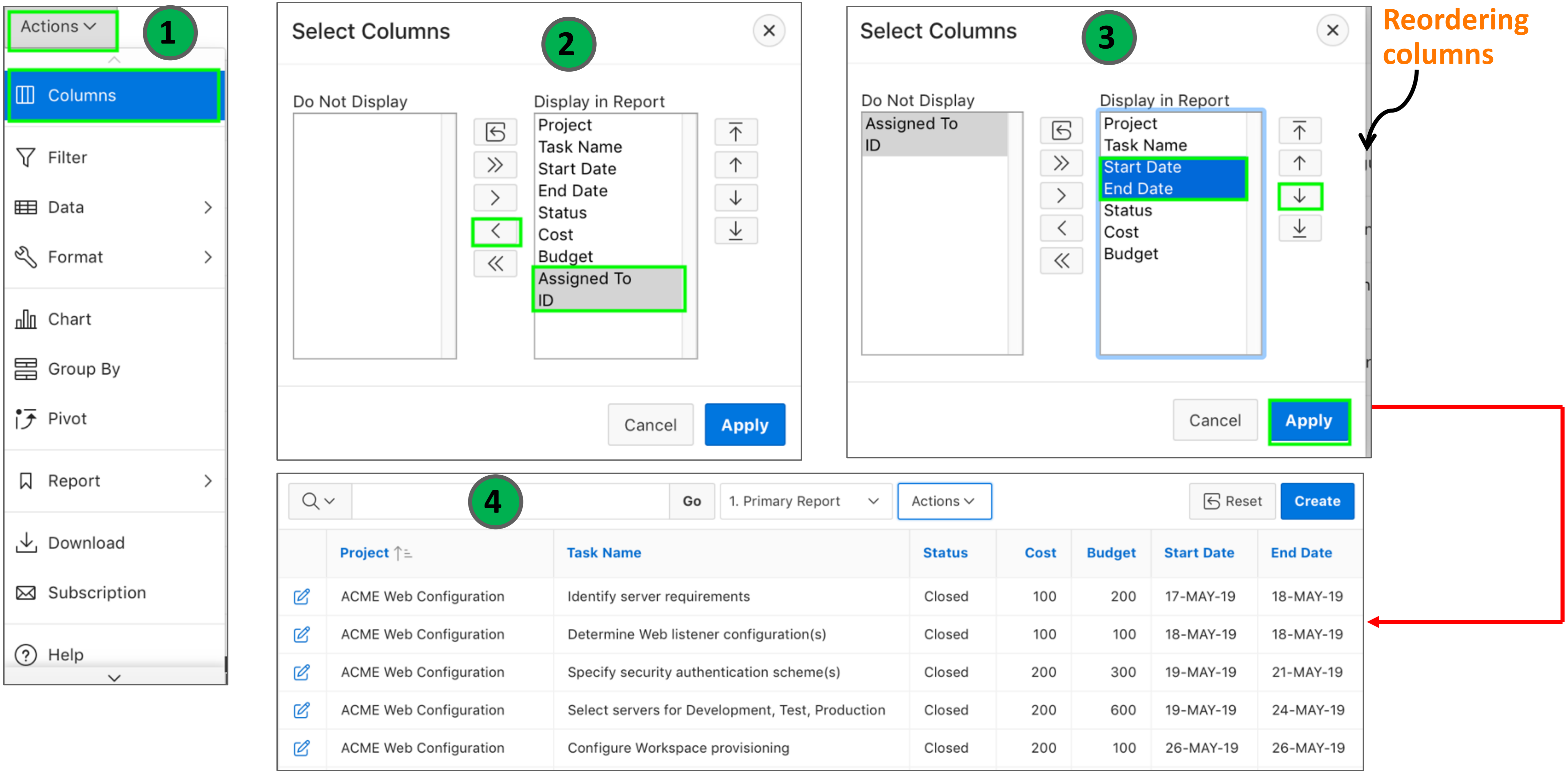
Searching for Information Within a Specific Column

Select columns to search



Search performed within the selected column

Selecting Columns To Display

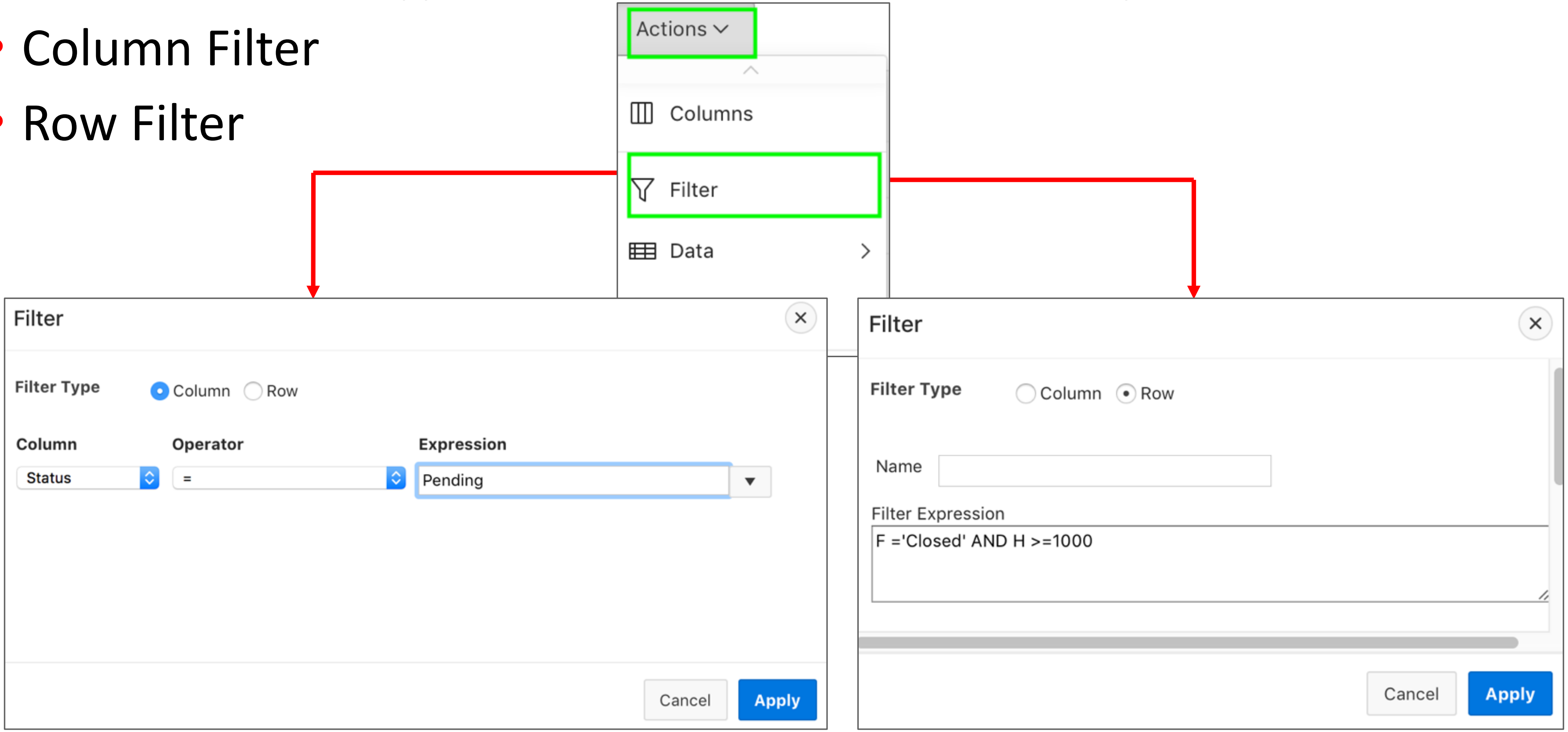


Project	Task Name	Status	Cost	Budget	Start Date	End Date
ACME Web Configuration	Identify server requirements	Closed	100	200	17-MAY-19	18-MAY-19
ACME Web Configuration	Determine Web listener configuration(s)	Closed	100	100	18-MAY-19	18-MAY-19
ACME Web Configuration	Specify security authentication scheme(s)	Closed	200	300	19-MAY-19	21-MAY-19
ACME Web Configuration	Select servers for Development, Test, Production	Closed	200	600	19-MAY-19	24-MAY-19
ACME Web Configuration	Configure Workspace provisioning	Closed	200	100	26-MAY-19	26-MAY-19

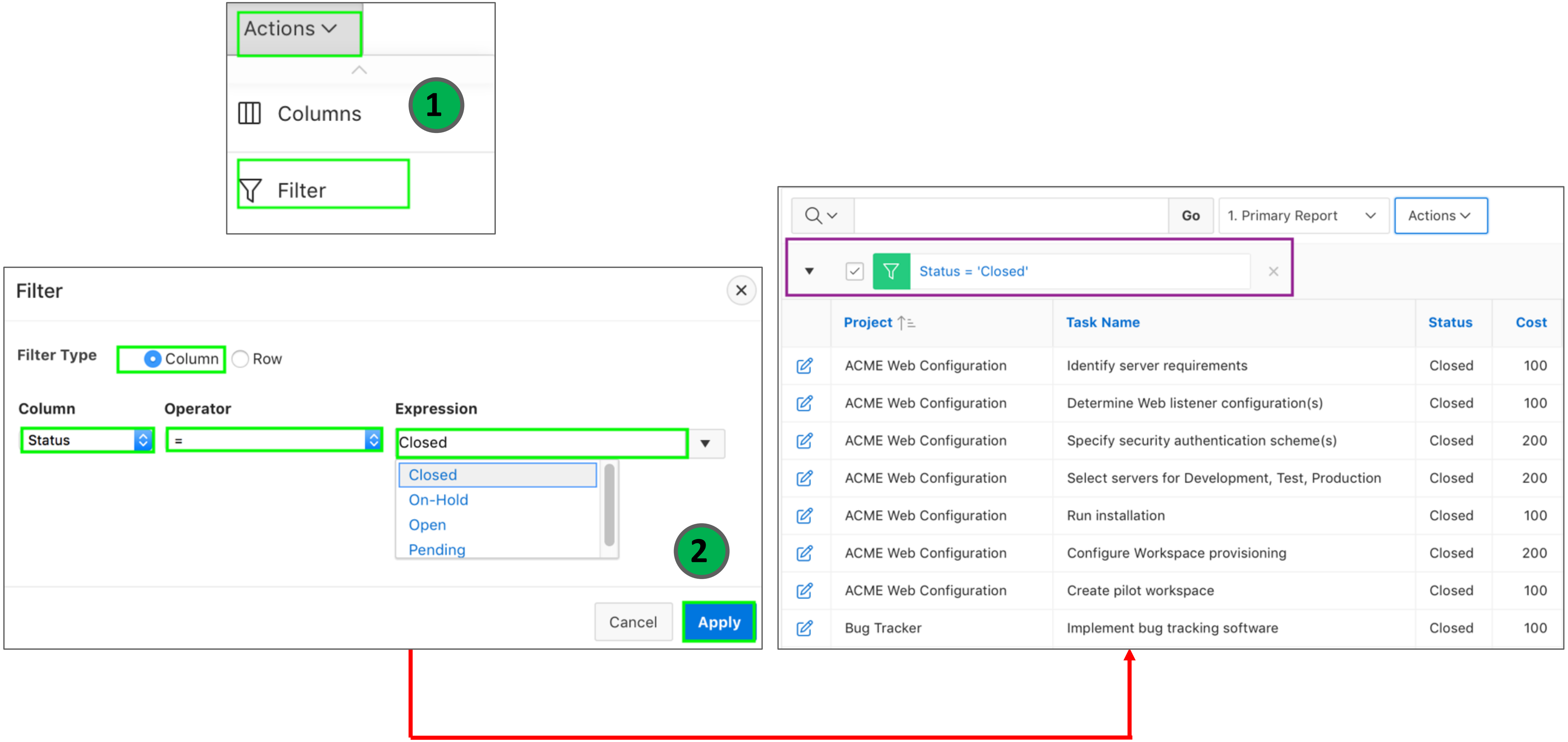
Adding a Filter in an Interactive Report

You can create two types of filters in an interactive report:

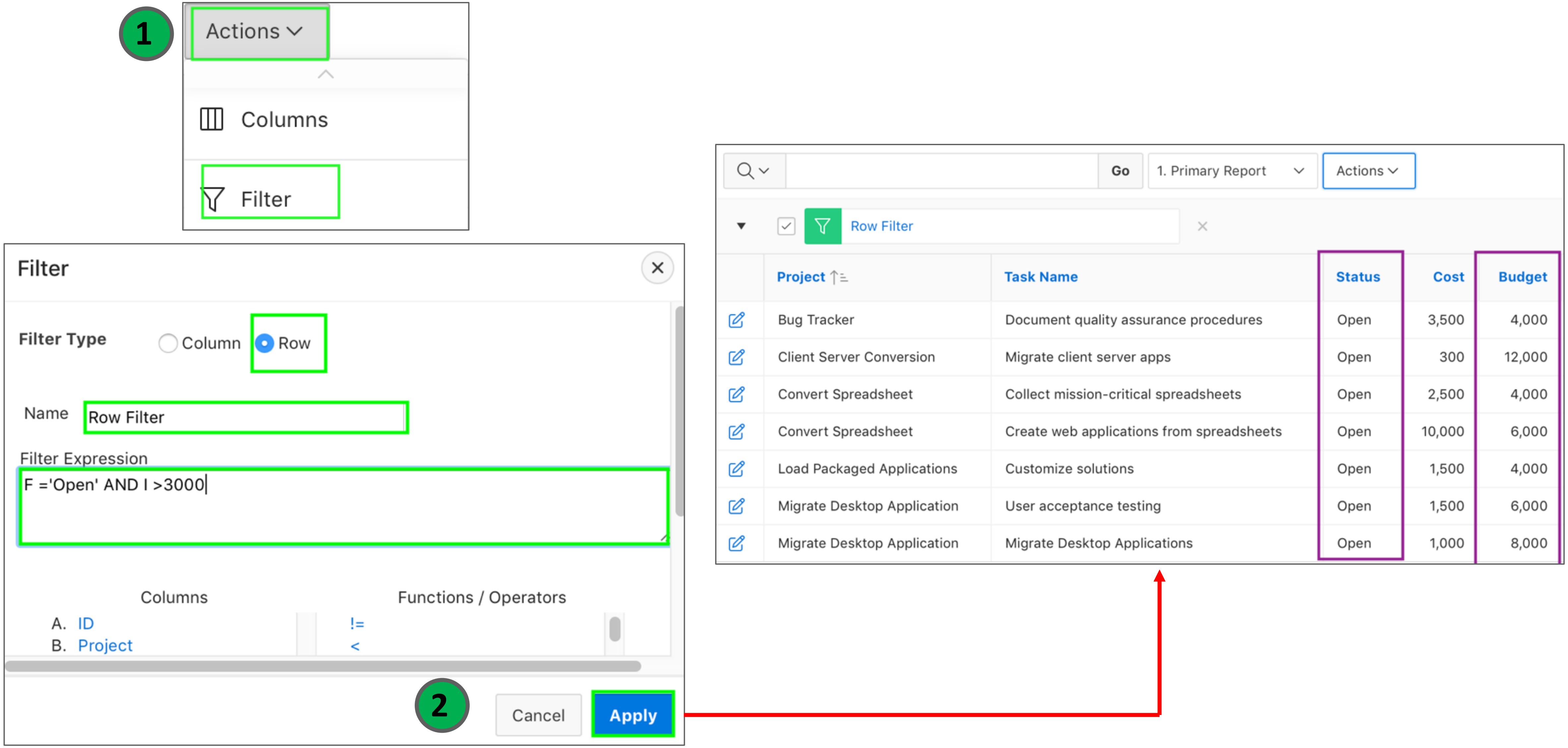
- Column Filter
- Row Filter



Adding a Column Filter

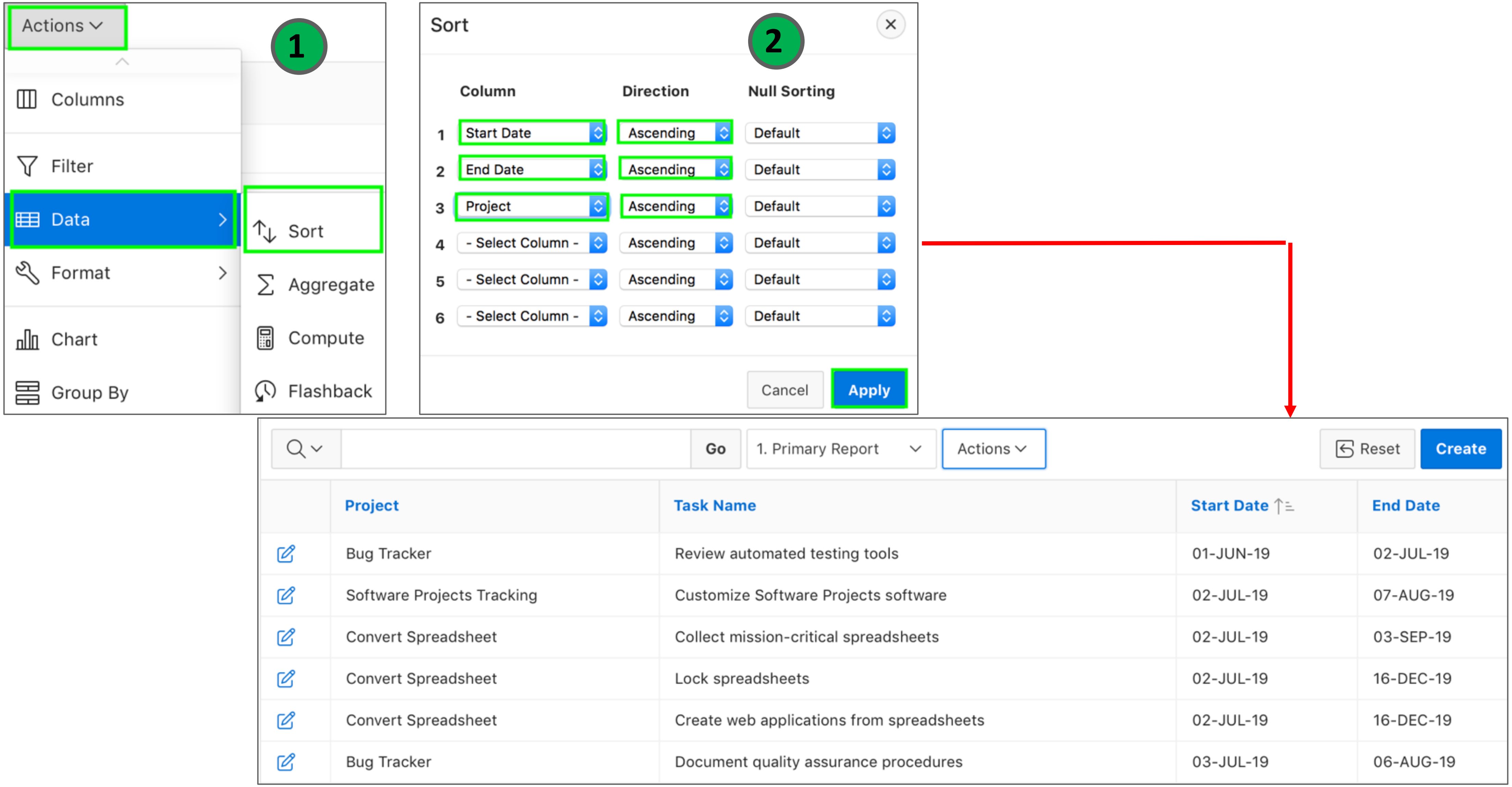


Adding a Row Filter

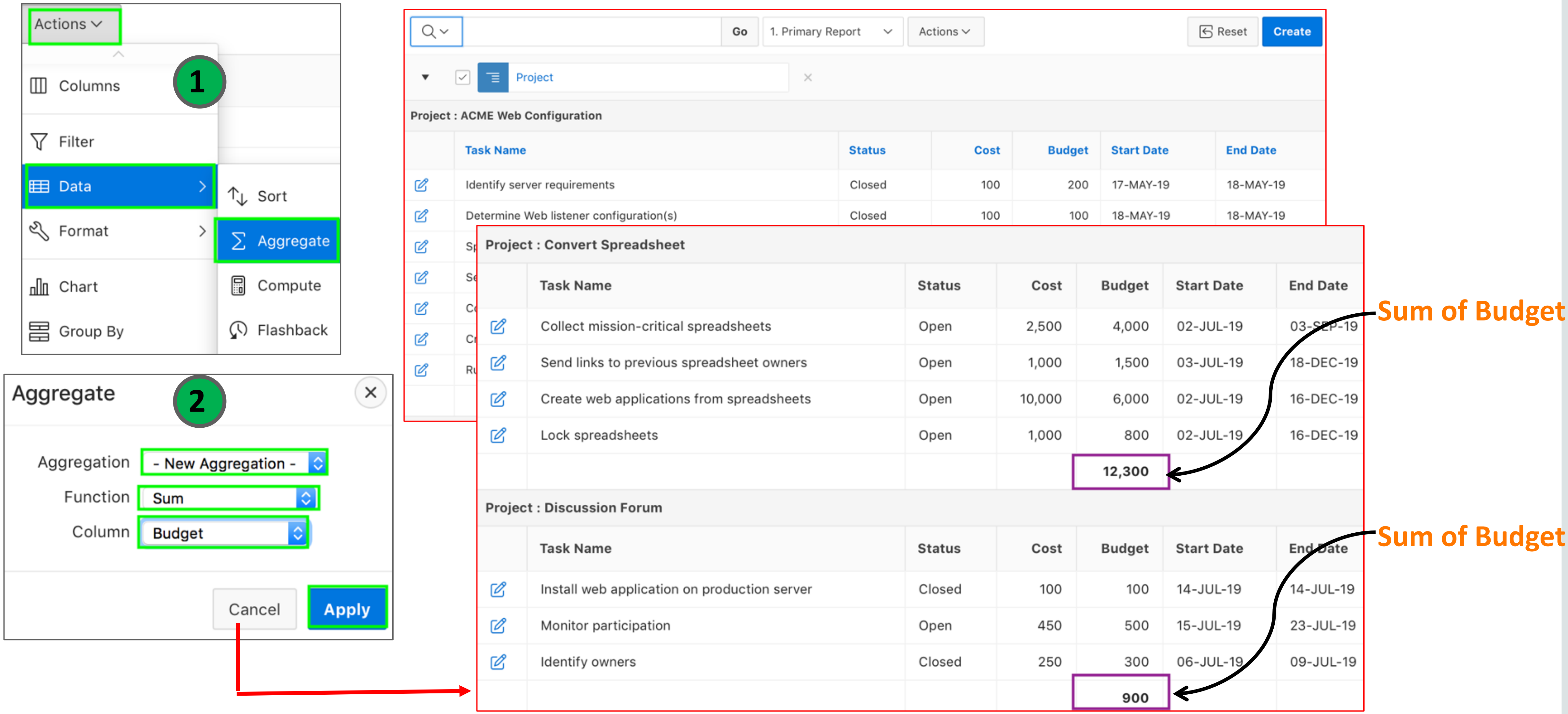


	Project	Task Name	Status	Cost	Budget
	Bug Tracker	Document quality assurance procedures	Open	3,500	4,000
	Client Server Conversion	Migrate client server apps	Open	300	12,000
	Convert Spreadsheet	Collect mission-critical spreadsheets	Open	2,500	4,000
	Convert Spreadsheet	Create web applications from spreadsheets	Open	10,000	6,000
	Load Packaged Applications	Customize solutions	Open	1,500	4,000
	Migrate Desktop Application	User acceptance testing	Open	1,500	6,000
	Migrate Desktop Application	Migrate Desktop Applications	Open	1,000	8,000

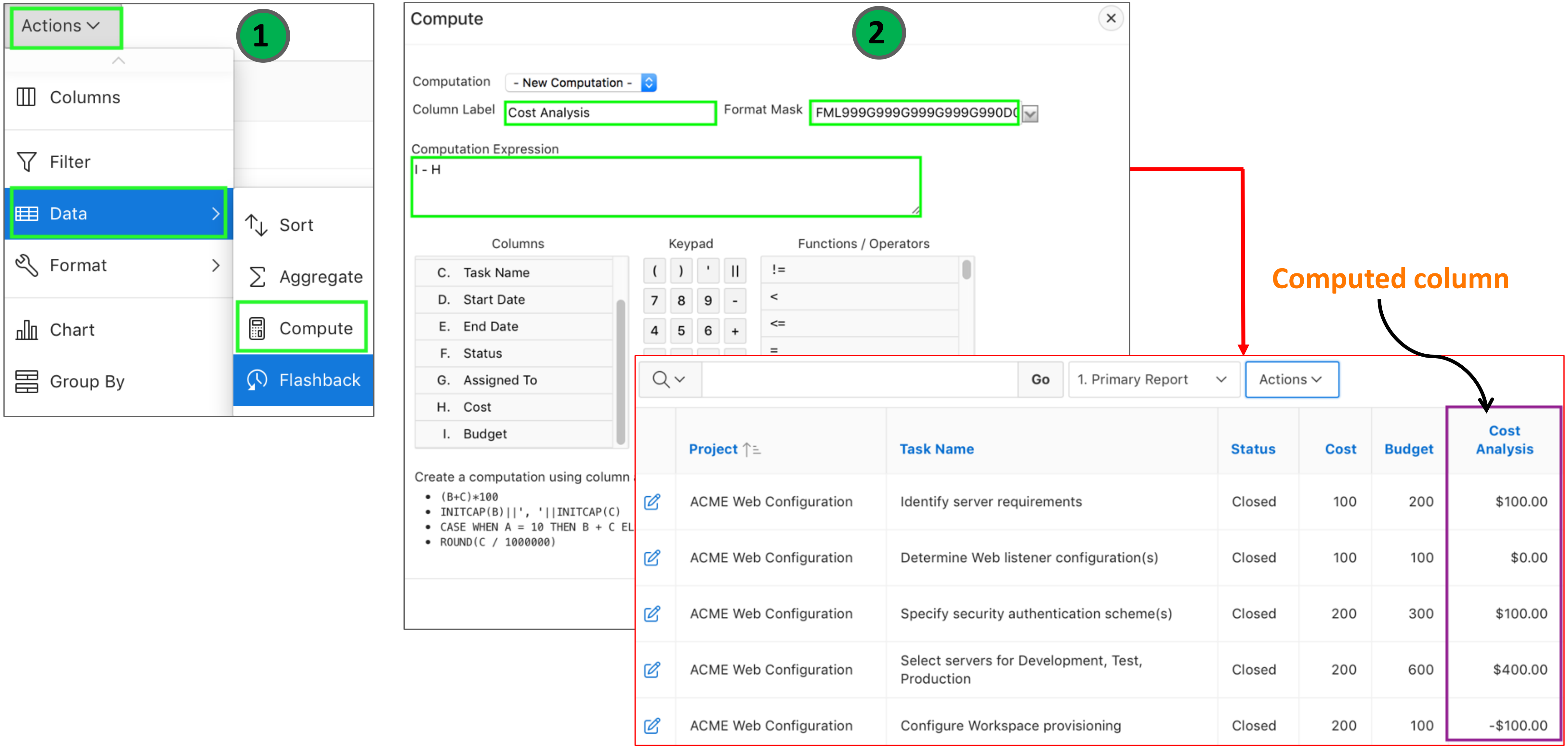
Selecting Column Sort Order



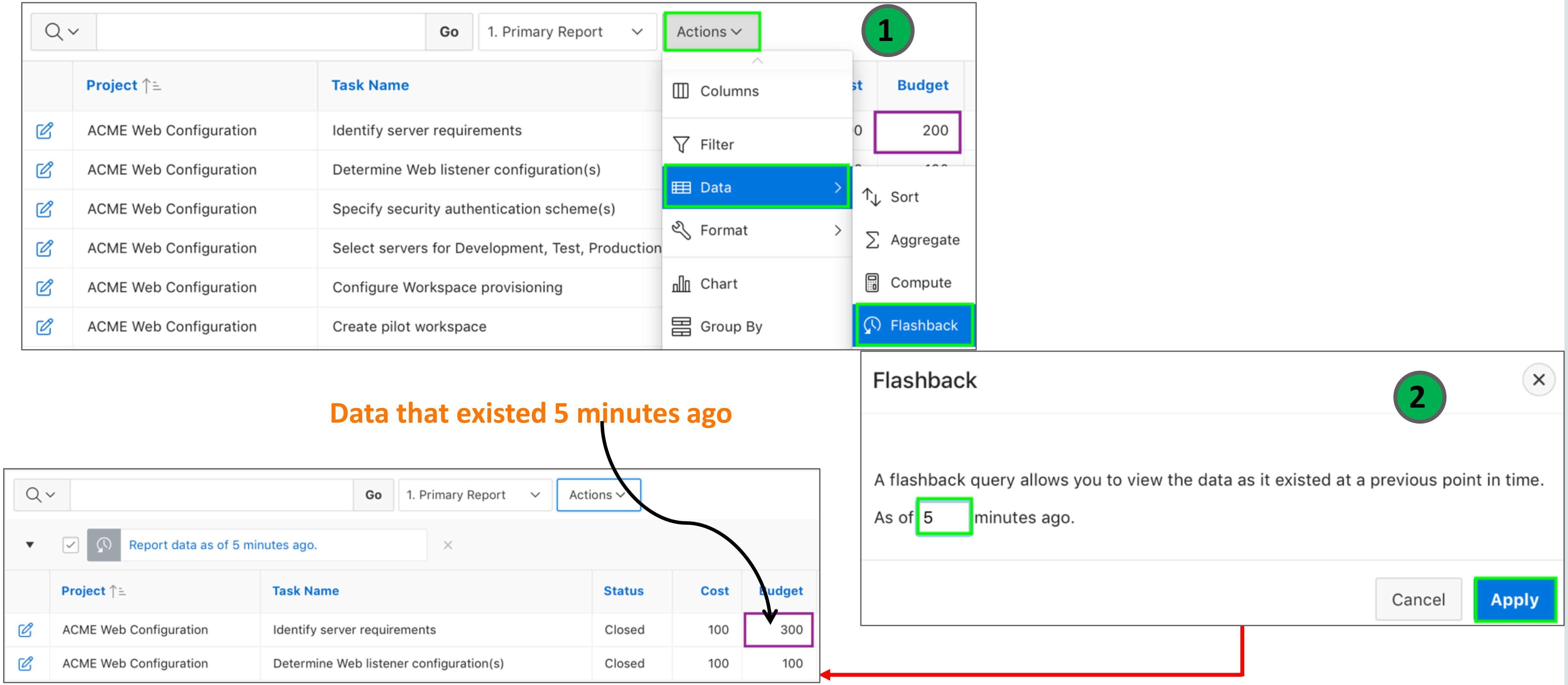
Creating an Aggregation Against a Column



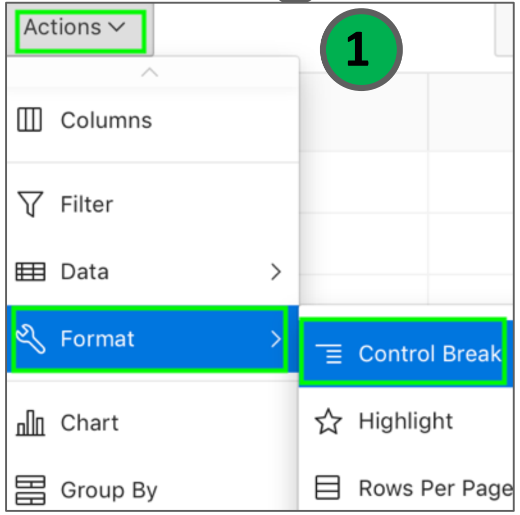
Adding a Computed Column

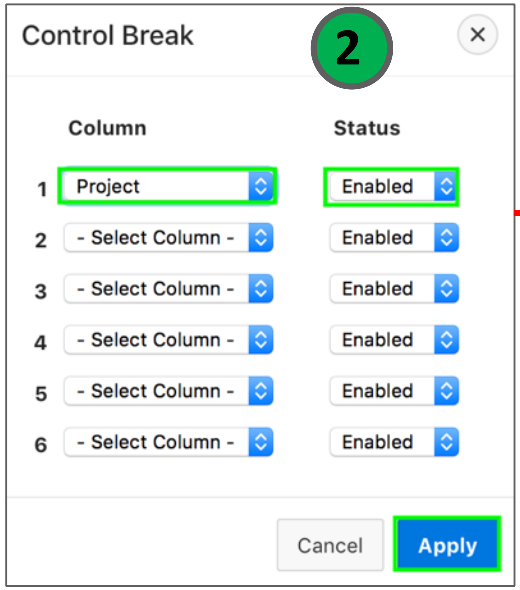


Performing a Flashback Query

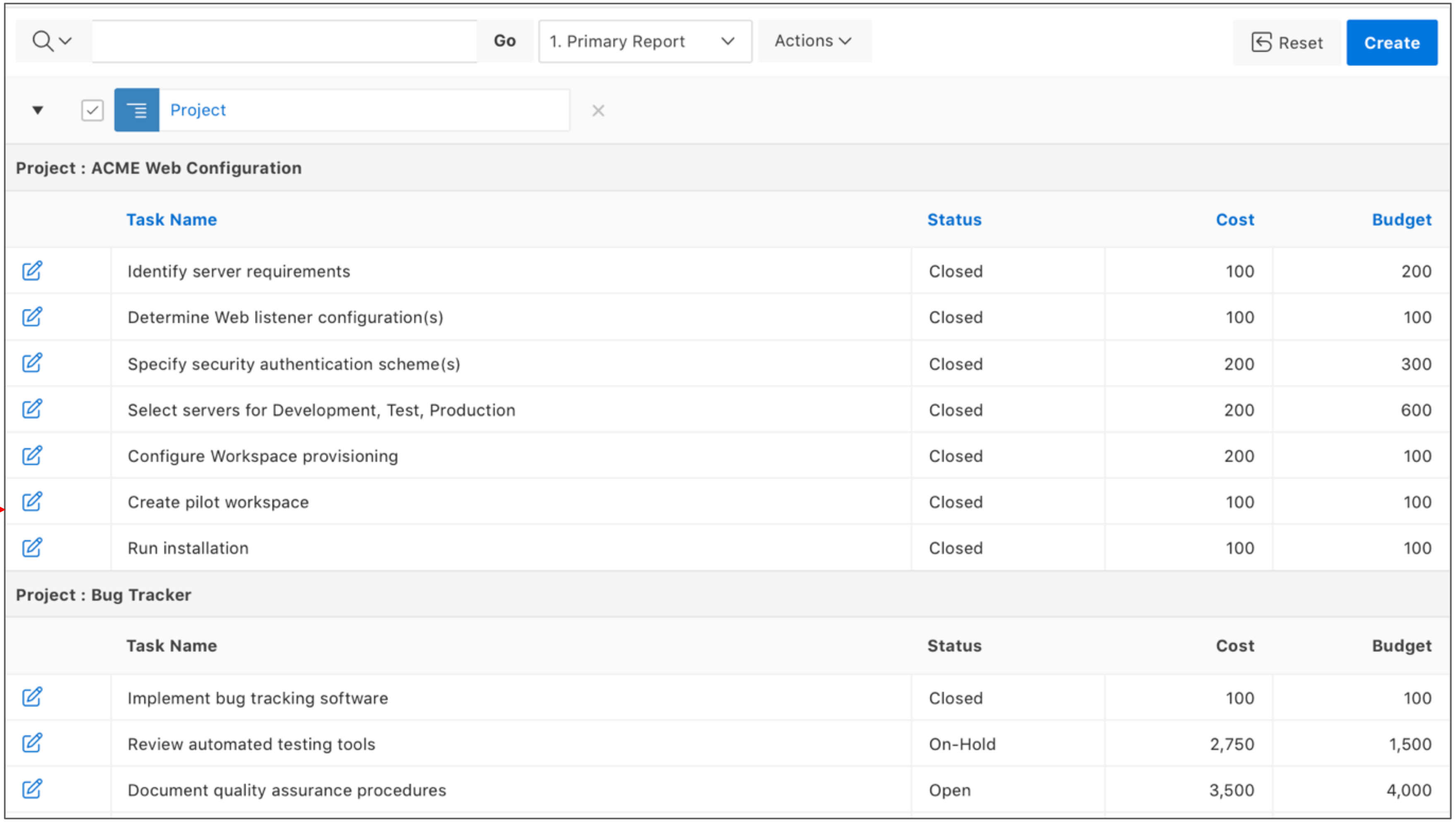


Creating a Control Break

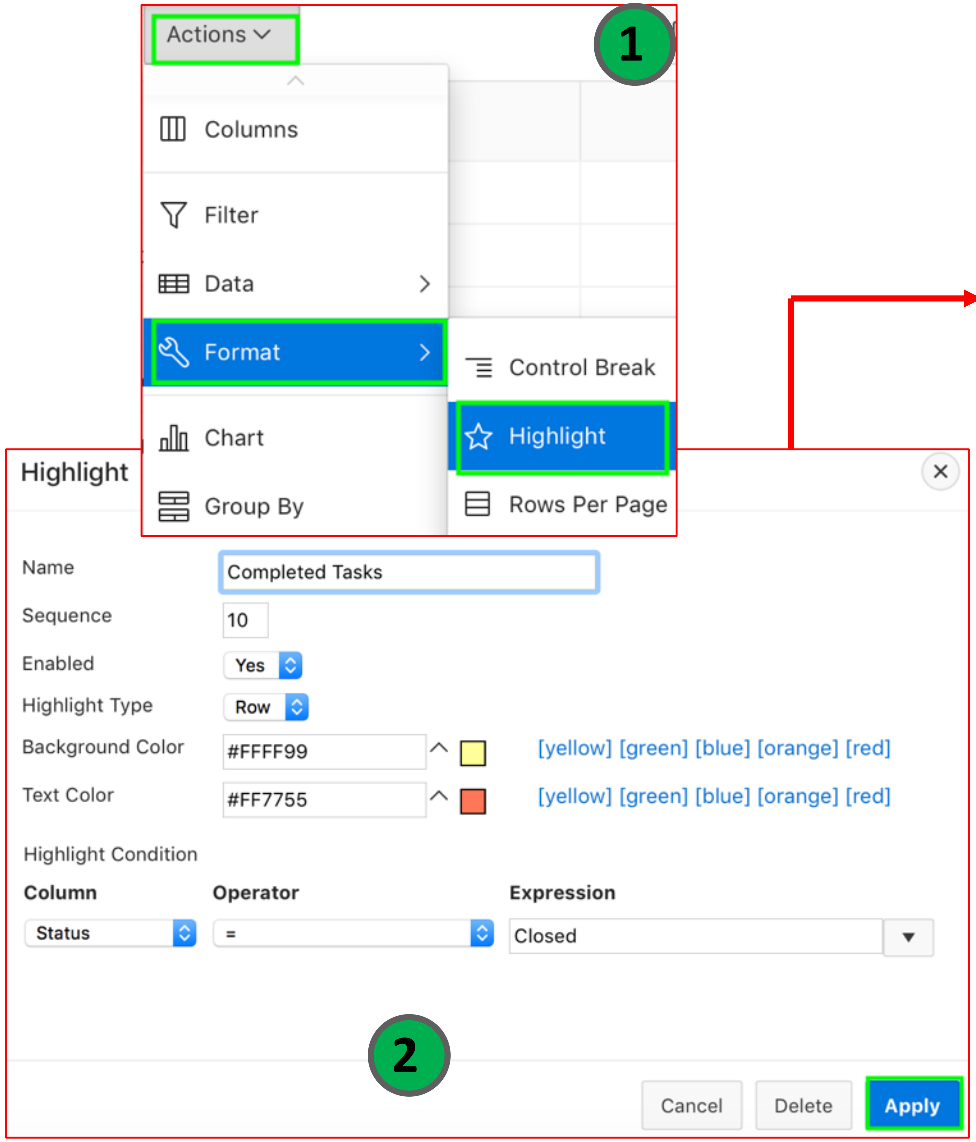




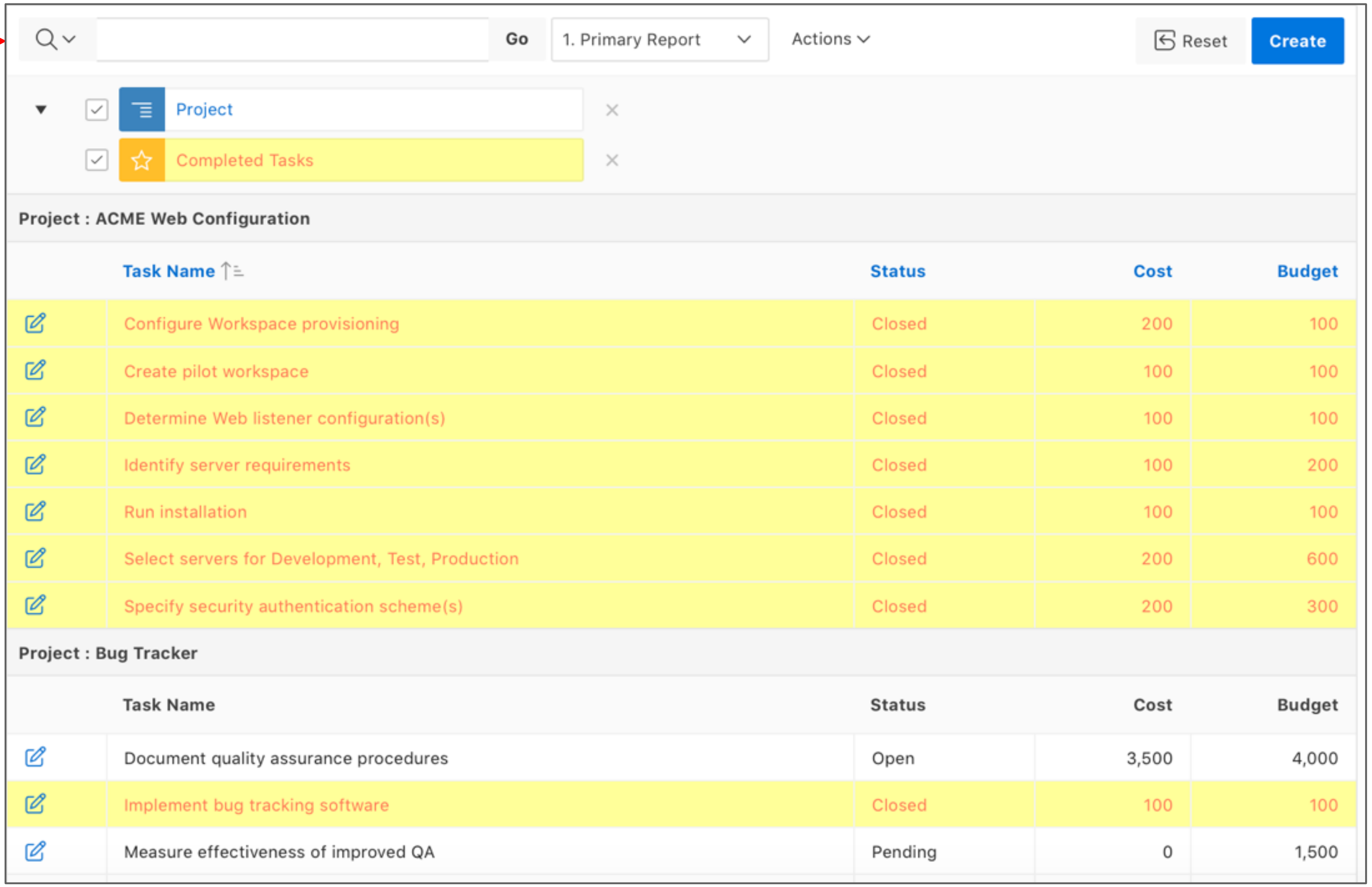
Control break on the Project column



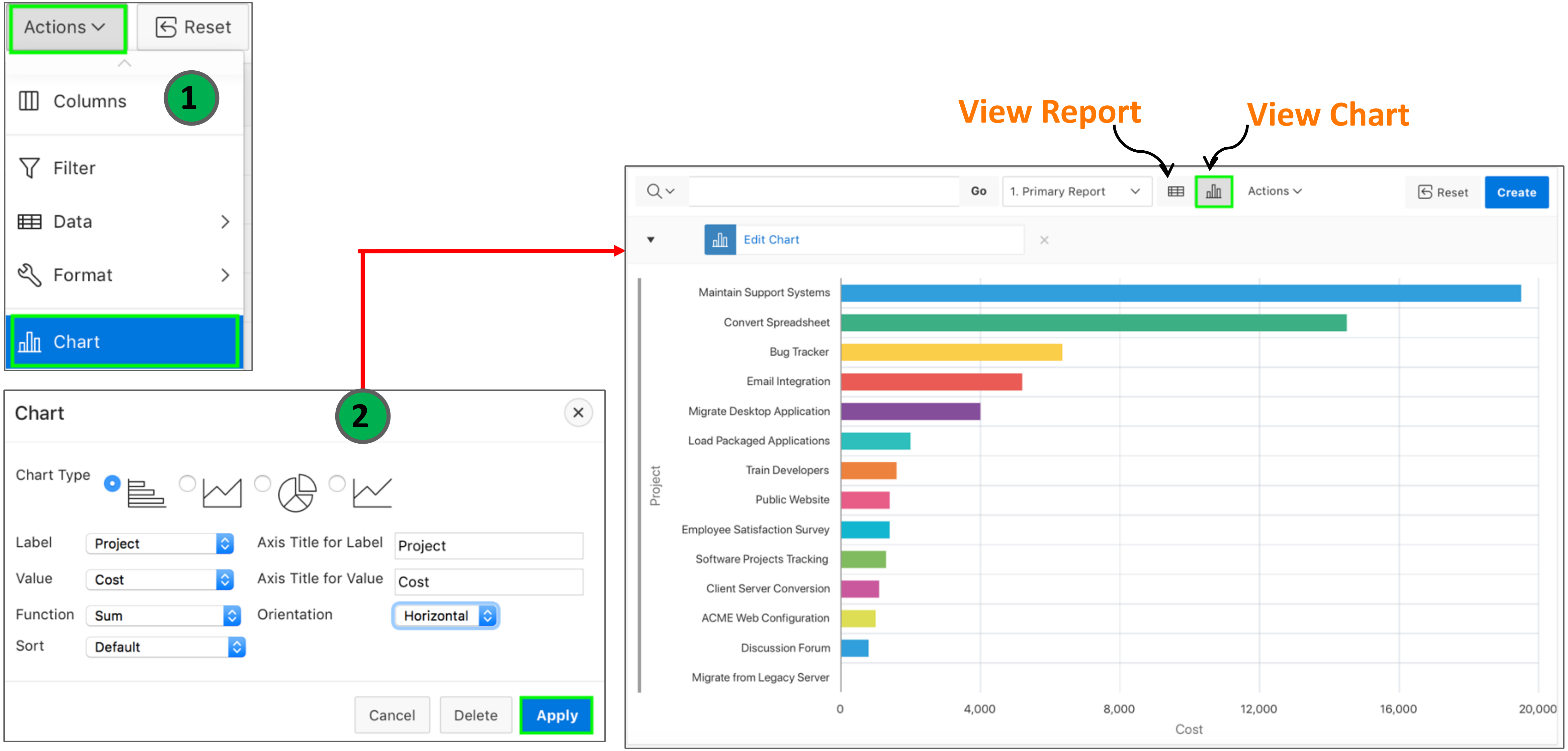
Adding Highlighting in an Interactive Report



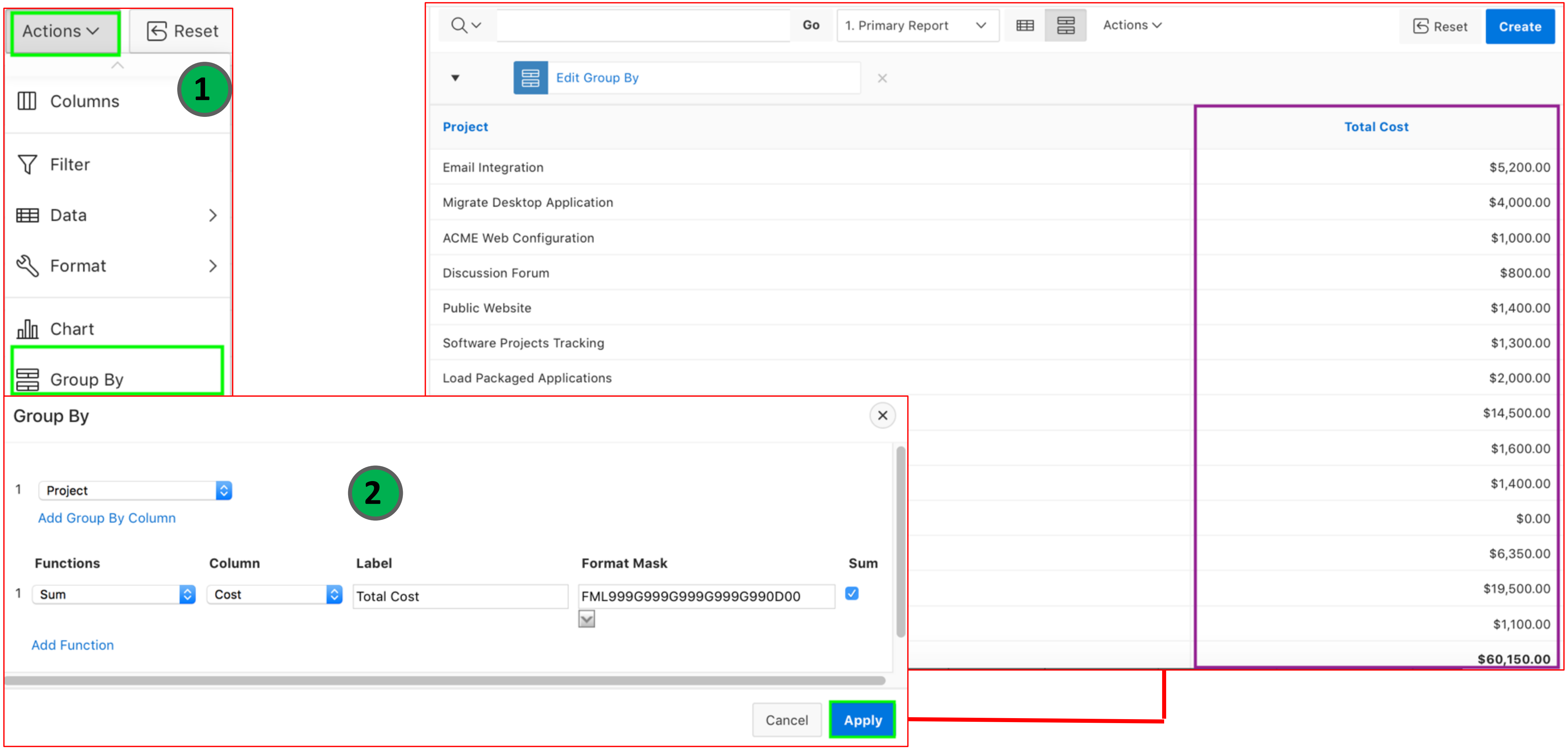
Rows with Status 'Closed' are highlighted



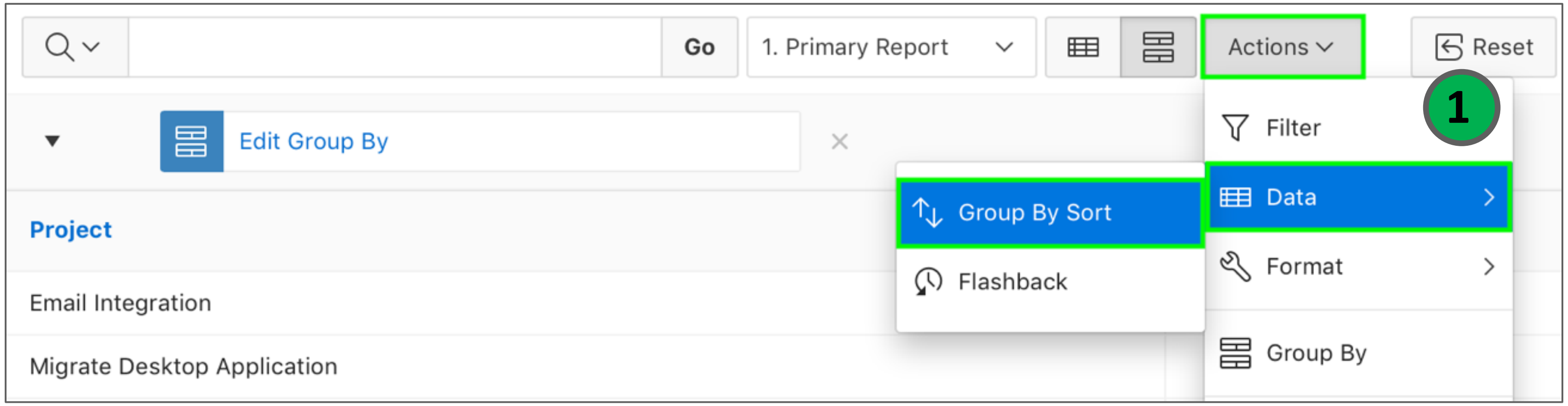
Creating a Chart

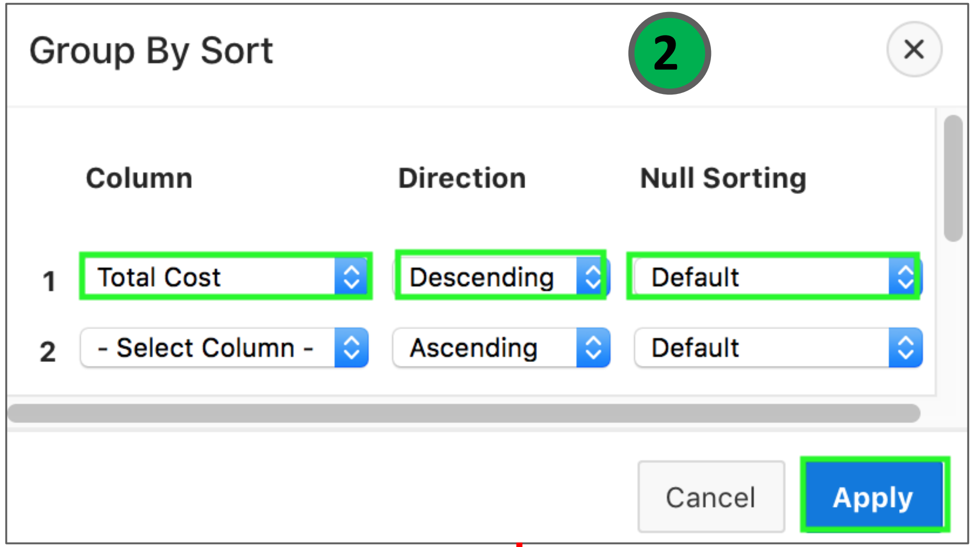


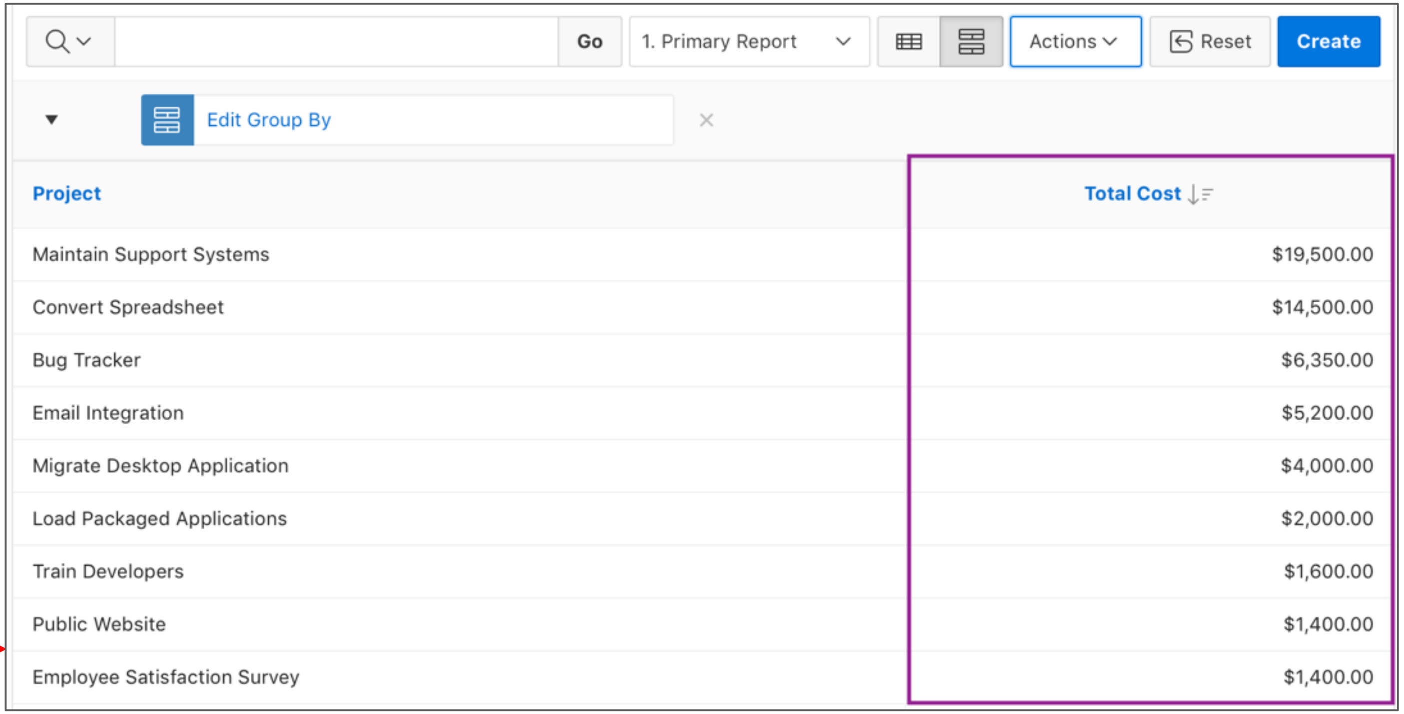
Creating a Group By



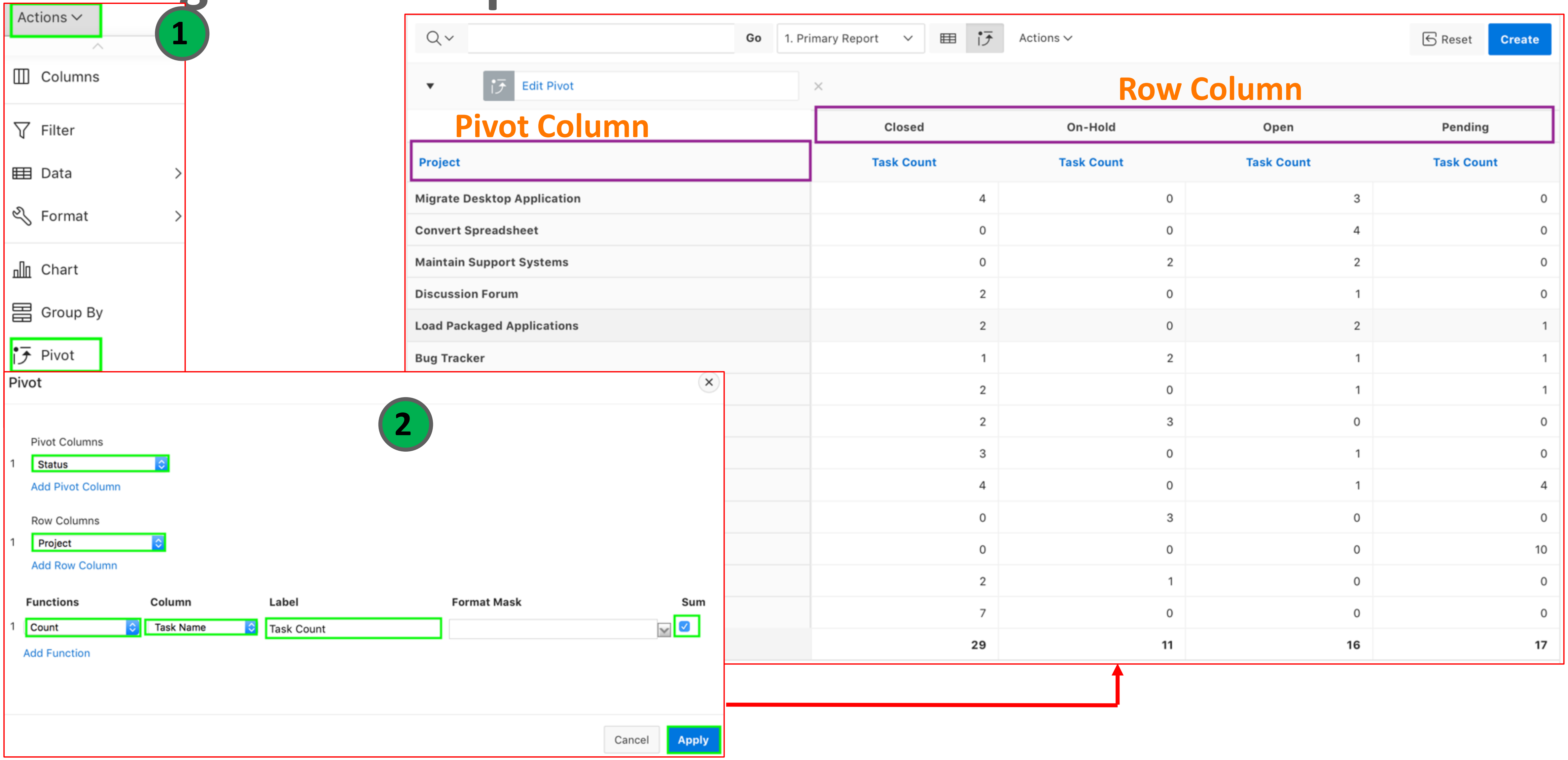
Specifying a Group By Sort Order



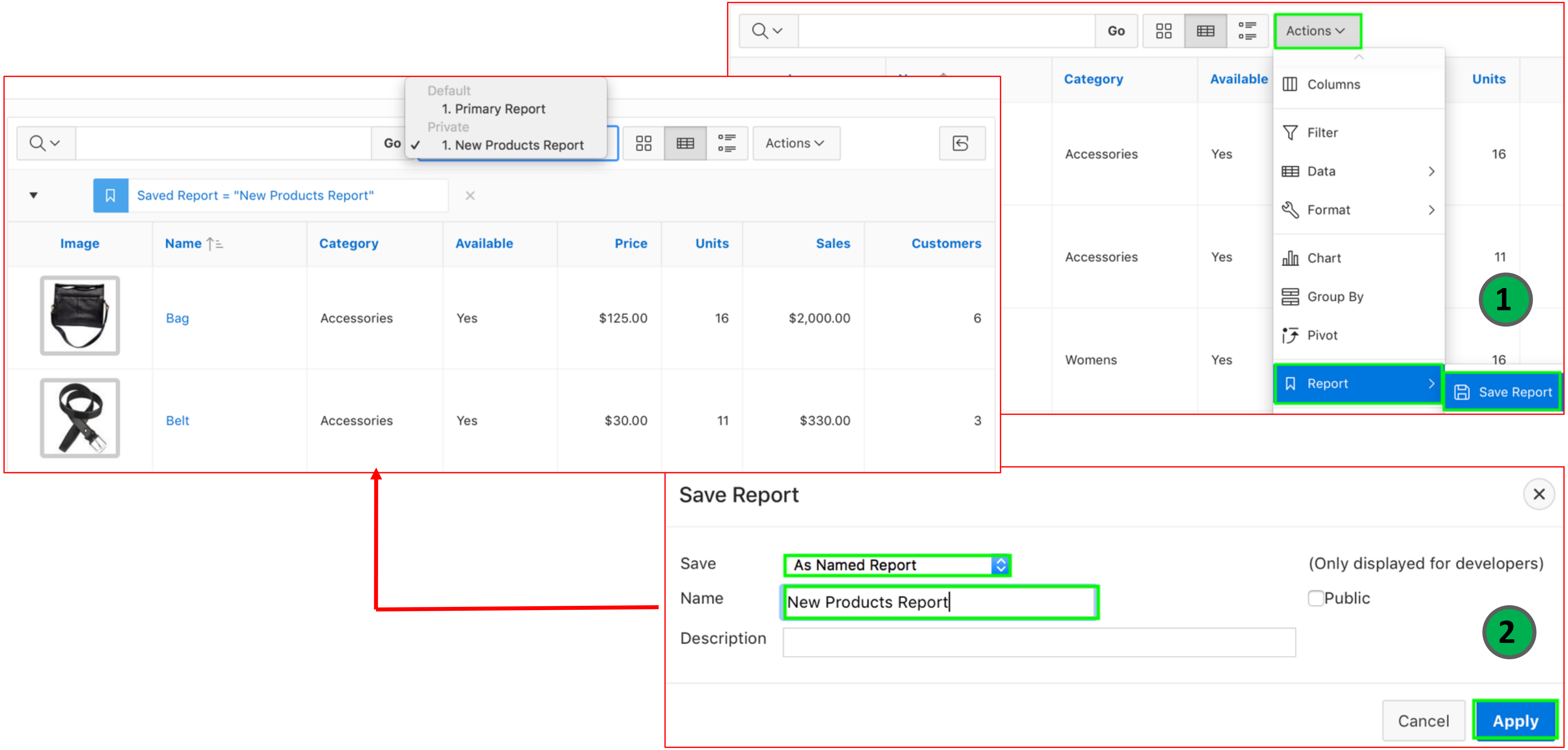




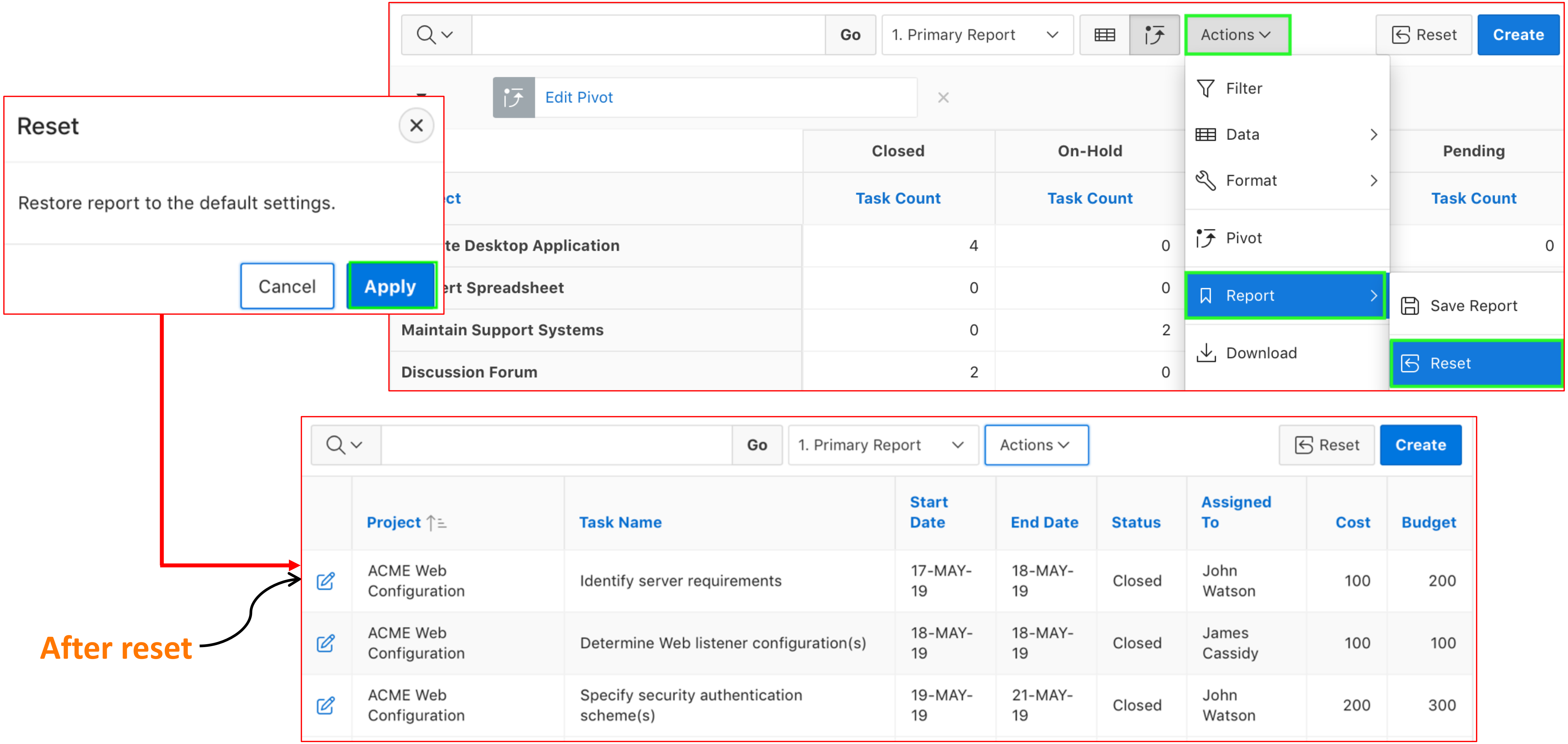
Creating a Pivot Report



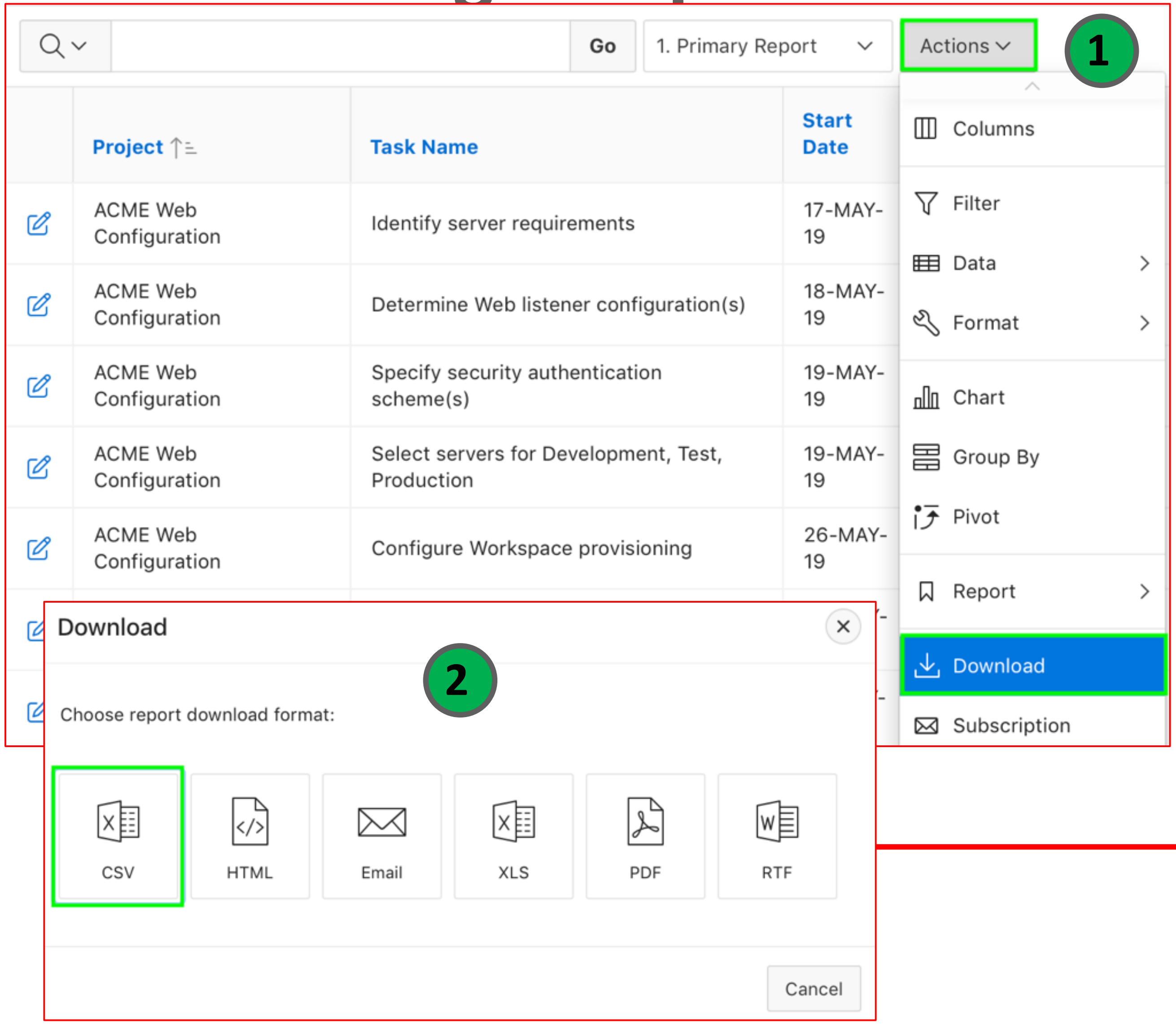
Saving an Interactive Report

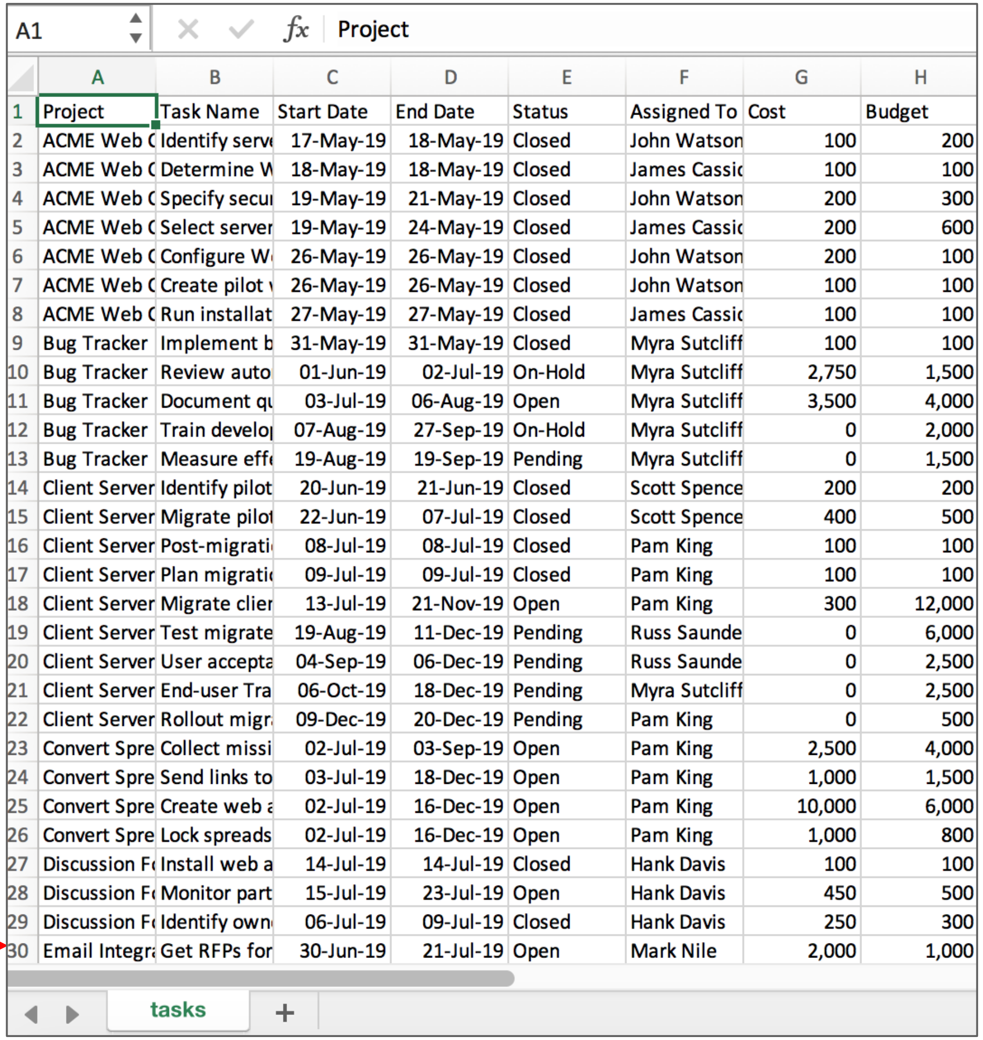


Resetting a Report



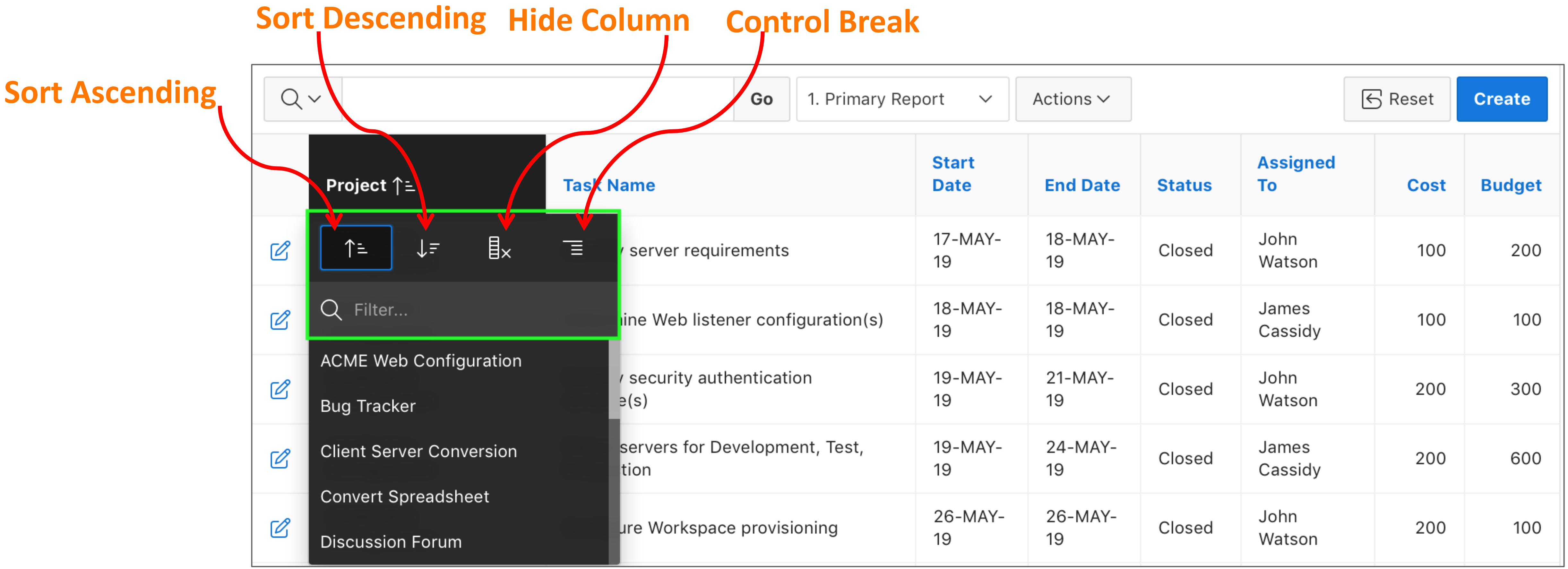
Downloading a Report





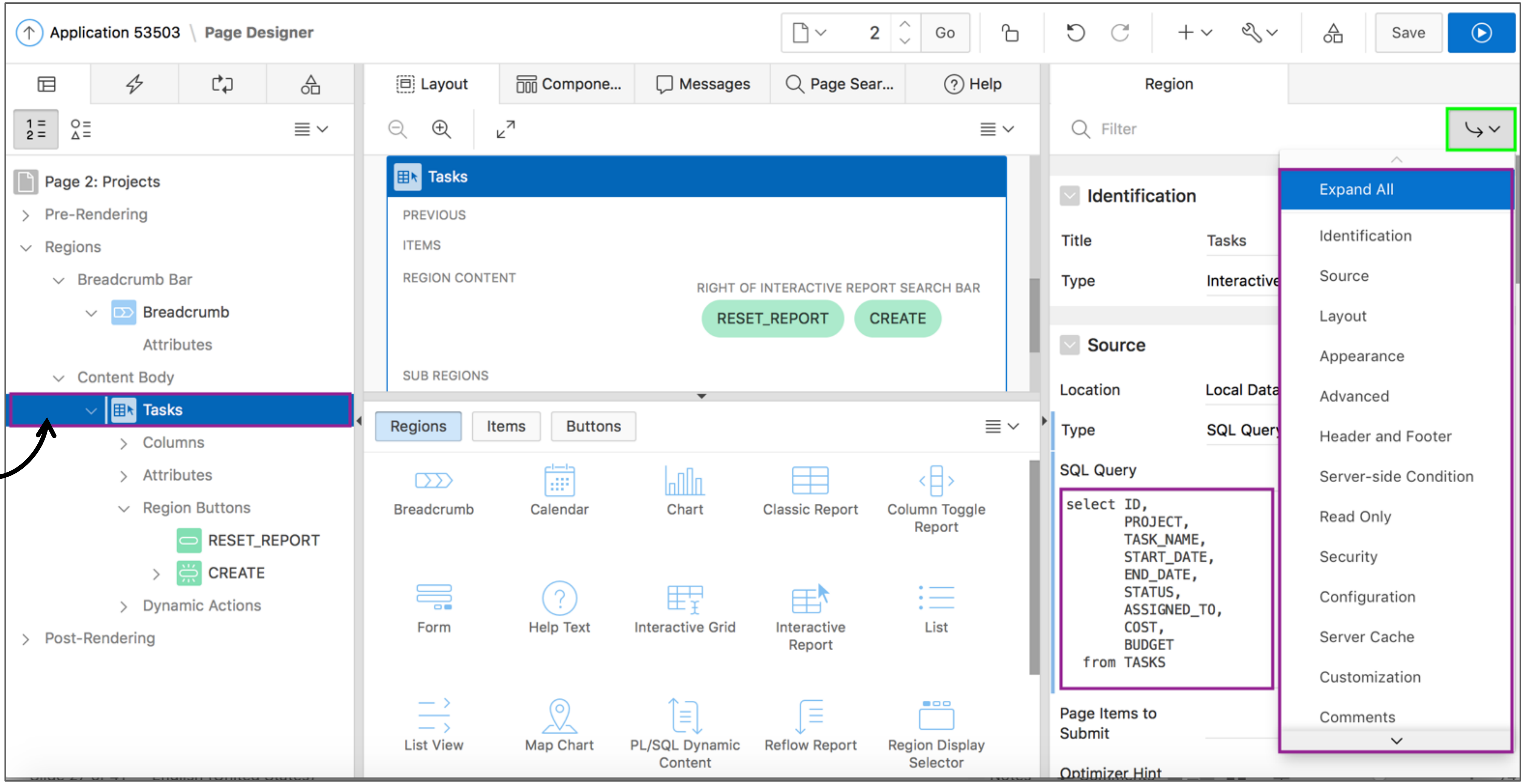
	A	B	C	D	E	F	G	H
1	Project	Task Name	Start Date	End Date	Status	Assigned To	Cost	Budget
2	ACME Web C	Identify serv	17-May-19	18-May-19	Closed	John Watson	100	200
3	ACME Web C	Determine W	18-May-19	18-May-19	Closed	James Cassic	100	100
4	ACME Web C	Specify secu	19-May-19	21-May-19	Closed	John Watson	200	300
5	ACME Web C	Select server	19-May-19	24-May-19	Closed	James Cassic	200	600
6	ACME Web C	Configure W	26-May-19	26-May-19	Closed	John Watson	200	100
7	ACME Web C	Create pilot	26-May-19	26-May-19	Closed	John Watson	100	100
8	ACME Web C	Run installat	27-May-19	27-May-19	Closed	James Cassic	100	100
9	Bug Tracker	Implement b	31-May-19	31-May-19	Closed	Myra Sutcliff	100	100
10	Bug Tracker	Review auto	01-Jun-19	02-Jul-19	On-Hold	Myra Sutcliff	2,750	1,500
11	Bug Tracker	Document qu	03-Jul-19	06-Aug-19	Open	Myra Sutcliff	3,500	4,000
12	Bug Tracker	Train develo	07-Aug-19	27-Sep-19	On-Hold	Myra Sutcliff	0	2,000
13	Bug Tracker	Measure effe	19-Aug-19	19-Sep-19	Pending	Myra Sutcliff	0	1,500
14	Client Server	Identify pilot	20-Jun-19	21-Jun-19	Closed	Scott Spence	200	200
15	Client Server	Migrate pilot	22-Jun-19	07-Jul-19	Closed	Scott Spence	400	500
16	Client Server	Post-migrati	08-Jul-19	08-Jul-19	Closed	Pam King	100	100
17	Client Server	Plan migratio	09-Jul-19	09-Jul-19	Closed	Pam King	100	100
18	Client Server	Migrate clier	13-Jul-19	21-Nov-19	Open	Pam King	300	12,000
19	Client Server	Test migrate	19-Aug-19	11-Dec-19	Pending	Russ Saunde	0	6,000
20	Client Server	User accepta	04-Sep-19	06-Dec-19	Pending	Russ Saunde	0	2,500
21	Client Server	End-user Tra	06-Oct-19	18-Dec-19	Pending	Myra Sutcliff	0	2,500
22	Client Server	Rollout migr	09-Dec-19	20-Dec-19	Pending	Pam King	0	500
23	Convert Spre	Collect missi	02-Jul-19	03-Sep-19	Open	Pam King	2,500	4,000
24	Convert Spre	Send links to	03-Jul-19	18-Dec-19	Open	Pam King	1,000	1,500
25	Convert Spre	Create web a	02-Jul-19	16-Dec-19	Open	Pam King	10,000	6,000
26	Convert Spre	Lock spreads	02-Jul-19	16-Dec-19	Open	Pam King	1,000	800
27	Discussion Fo	Install web a	14-Jul-19	14-Jul-19	Closed	Hank Davis	100	100
28	Discussion Fo	Monitor part	15-Jul-19	23-Jul-19	Open	Hank Davis	450	500
29	Discussion Fo	Identify own	06-Jul-19	09-Jul-19	Closed	Hank Davis	250	300
30	Email Integra	Get RFPs for	30-Jun-19	21-Jul-19	Open	Mark Nile	2,000	1,000

Using the Column Heading Menu



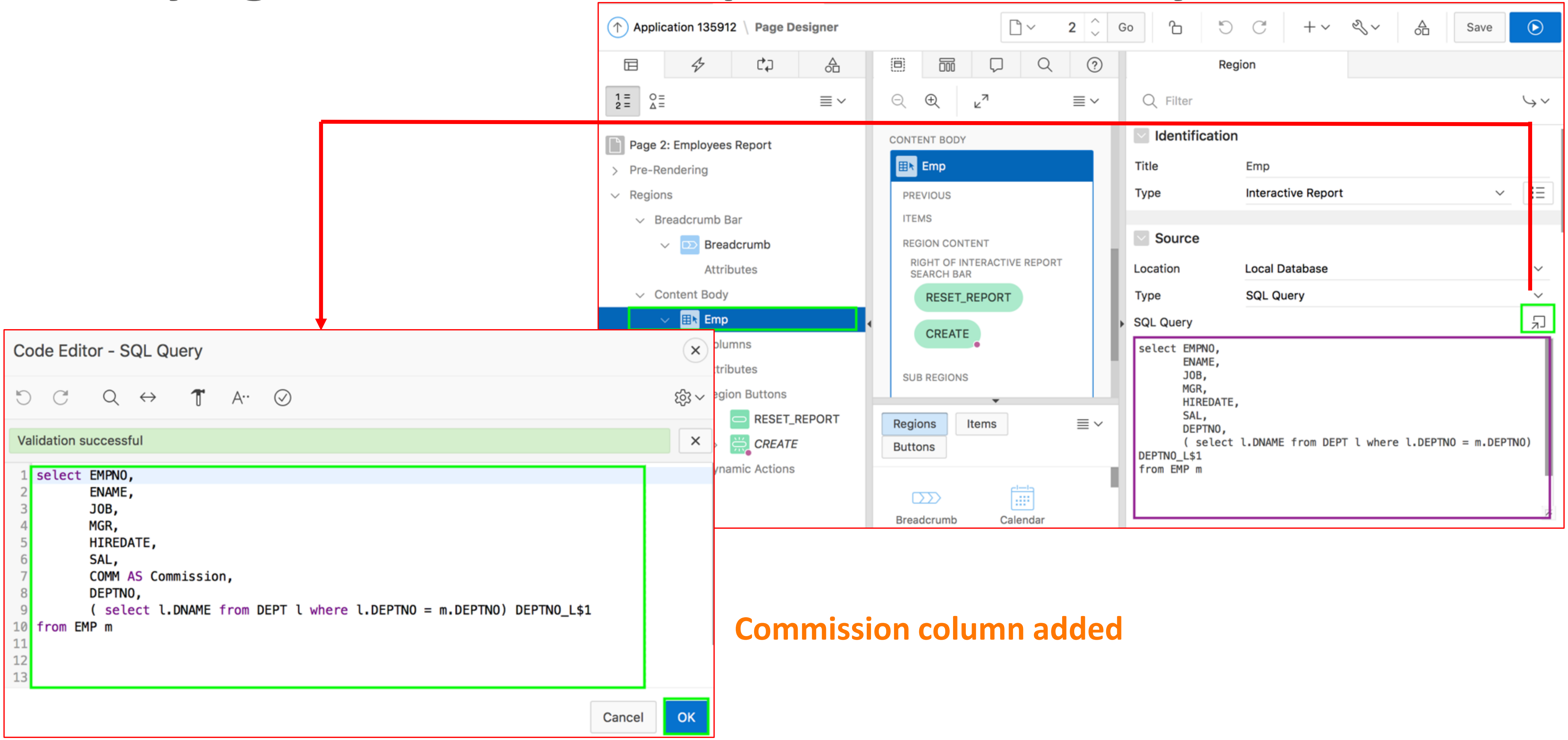
Part 2: Customizing an interactive report as a developer

Editing Interactive Report Region Attributes



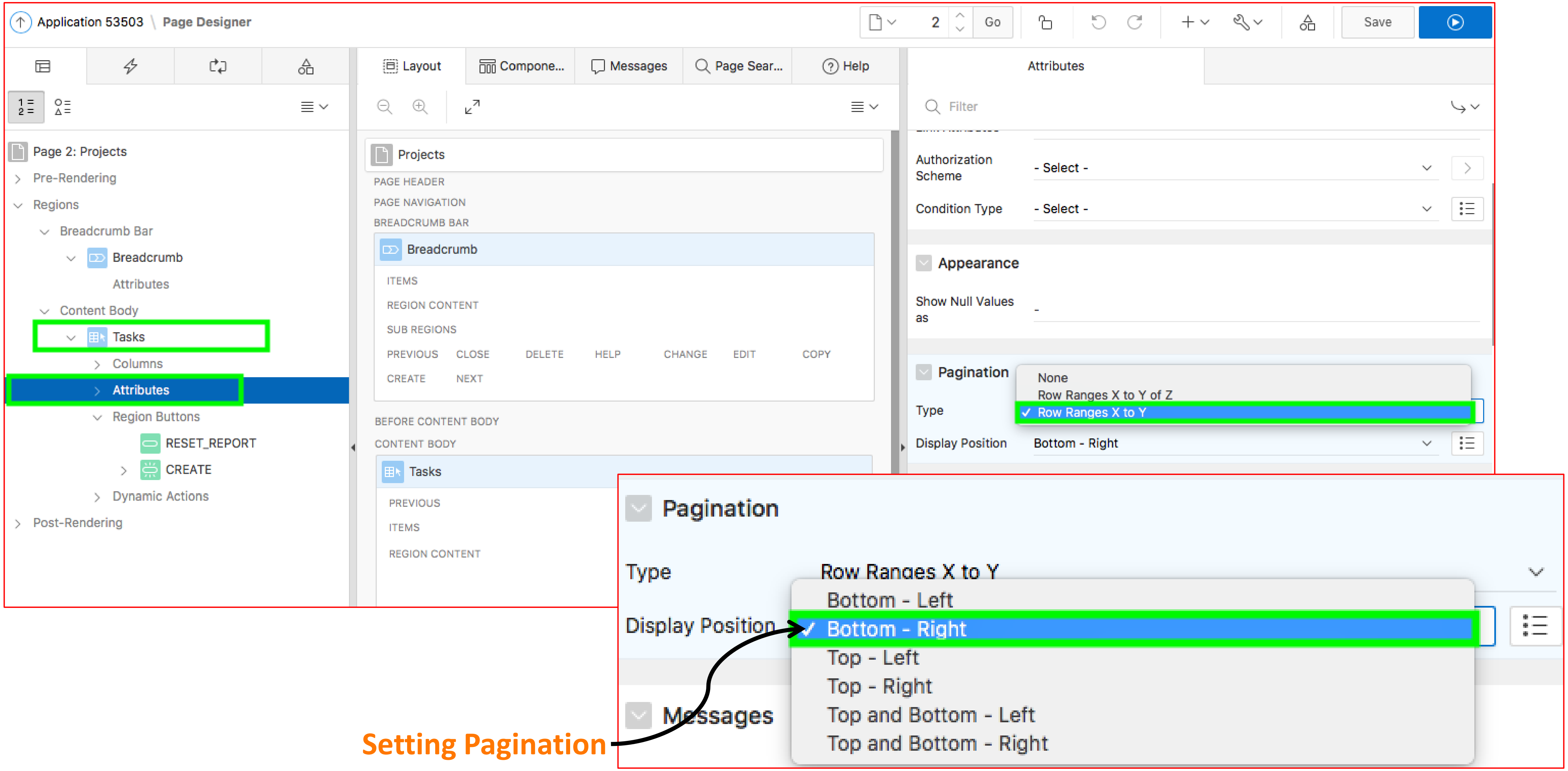
Report region

Modifying an Interactive Report Source Query

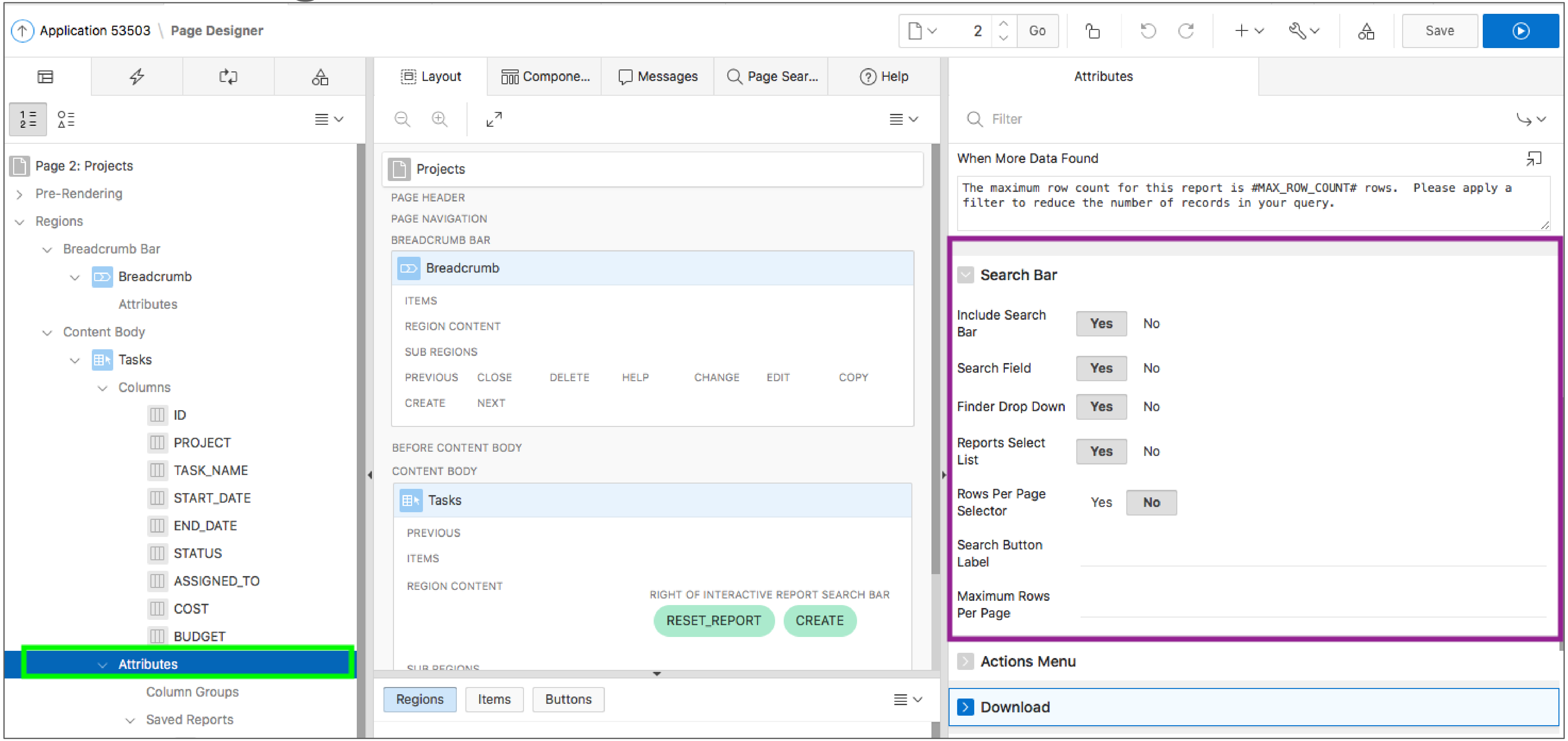


Commission column added

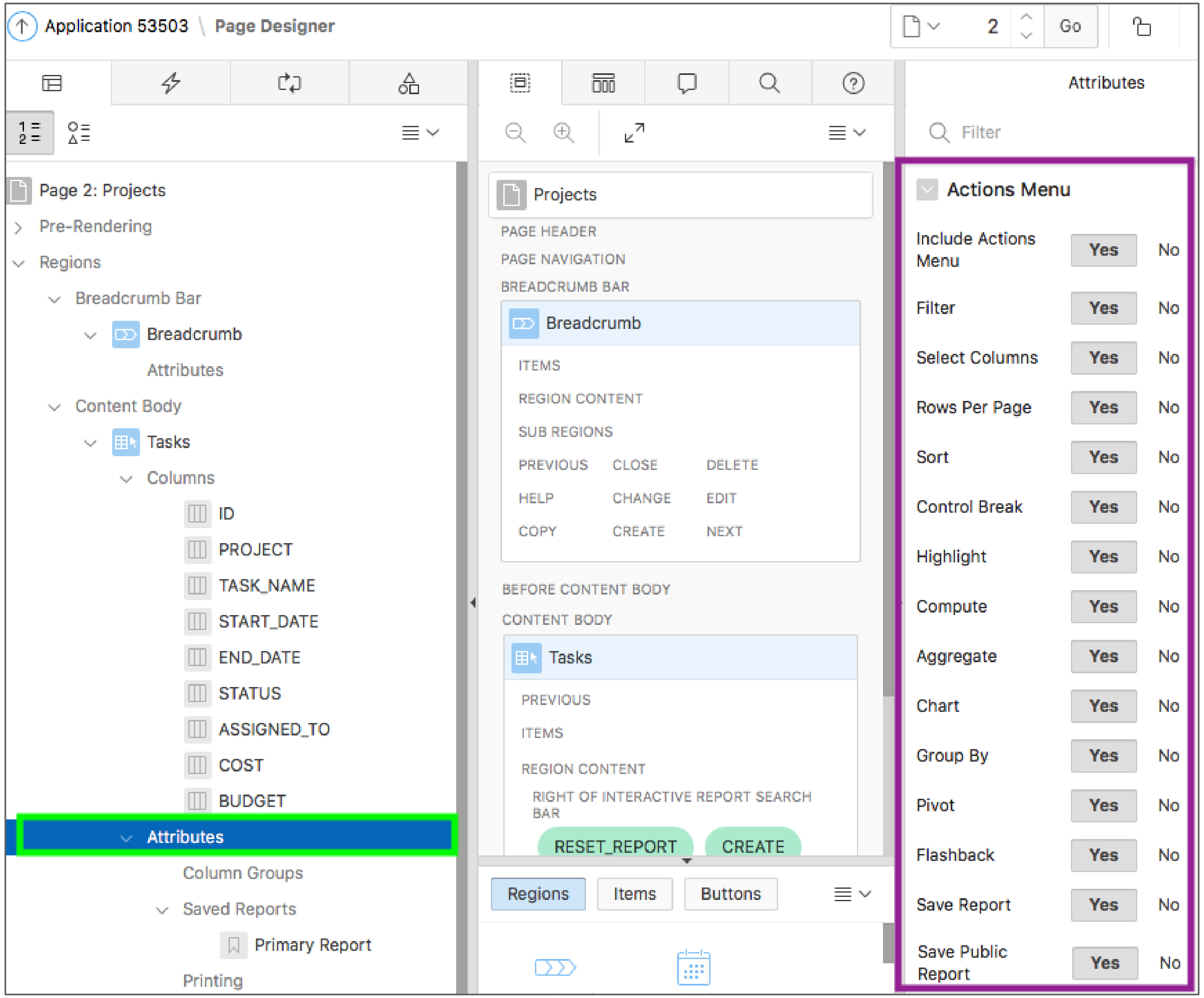
Editing Interactive Report Attributes

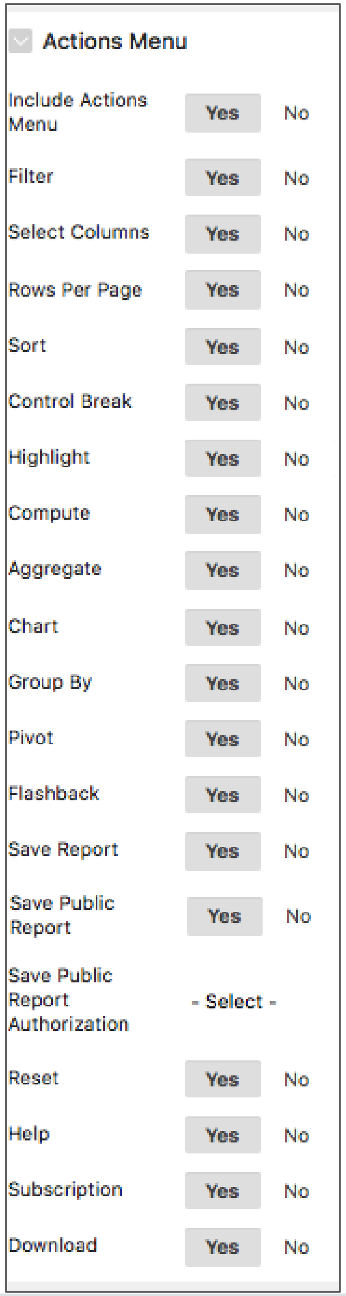


Customizing the Search Bar

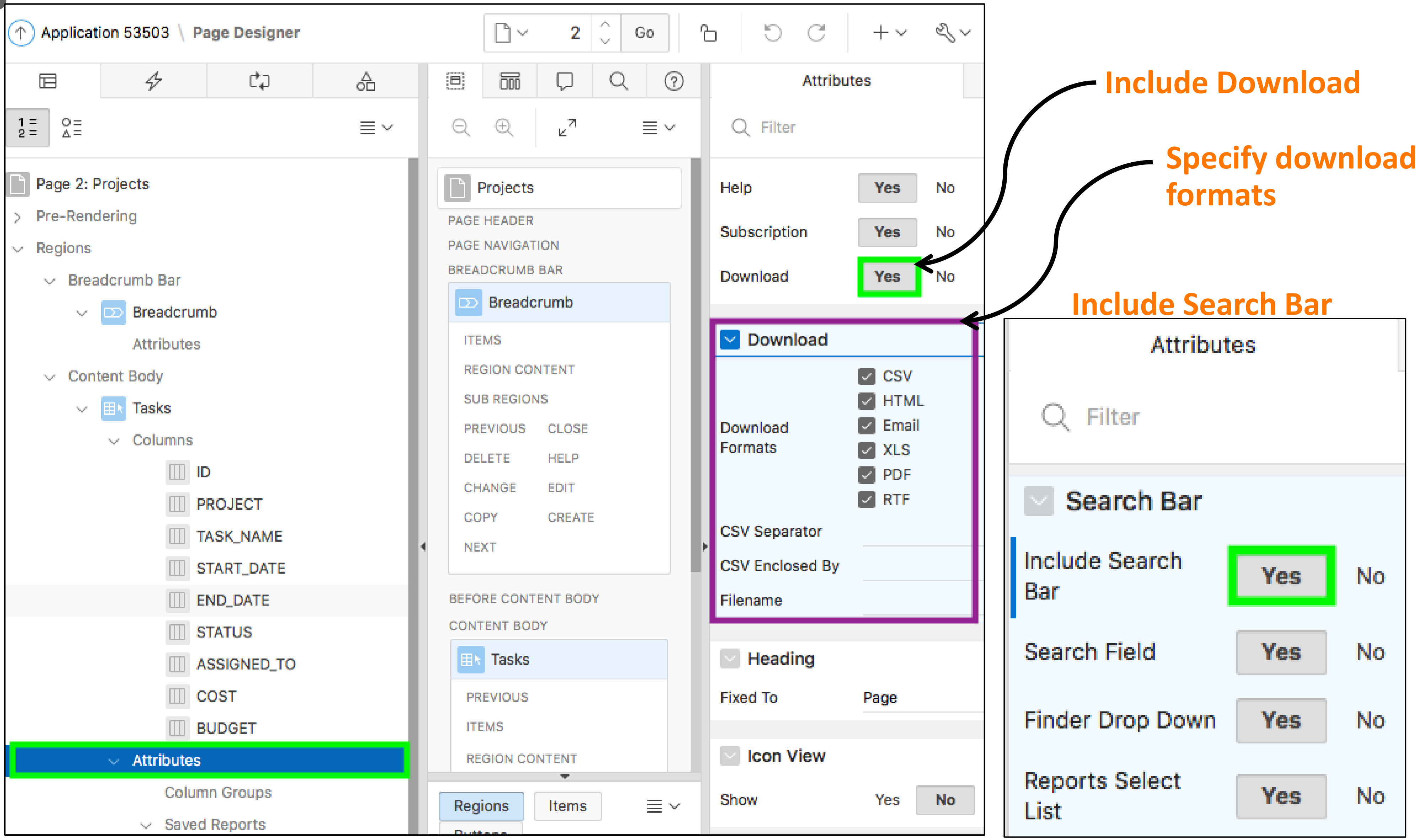


Customizing the Actions Menu

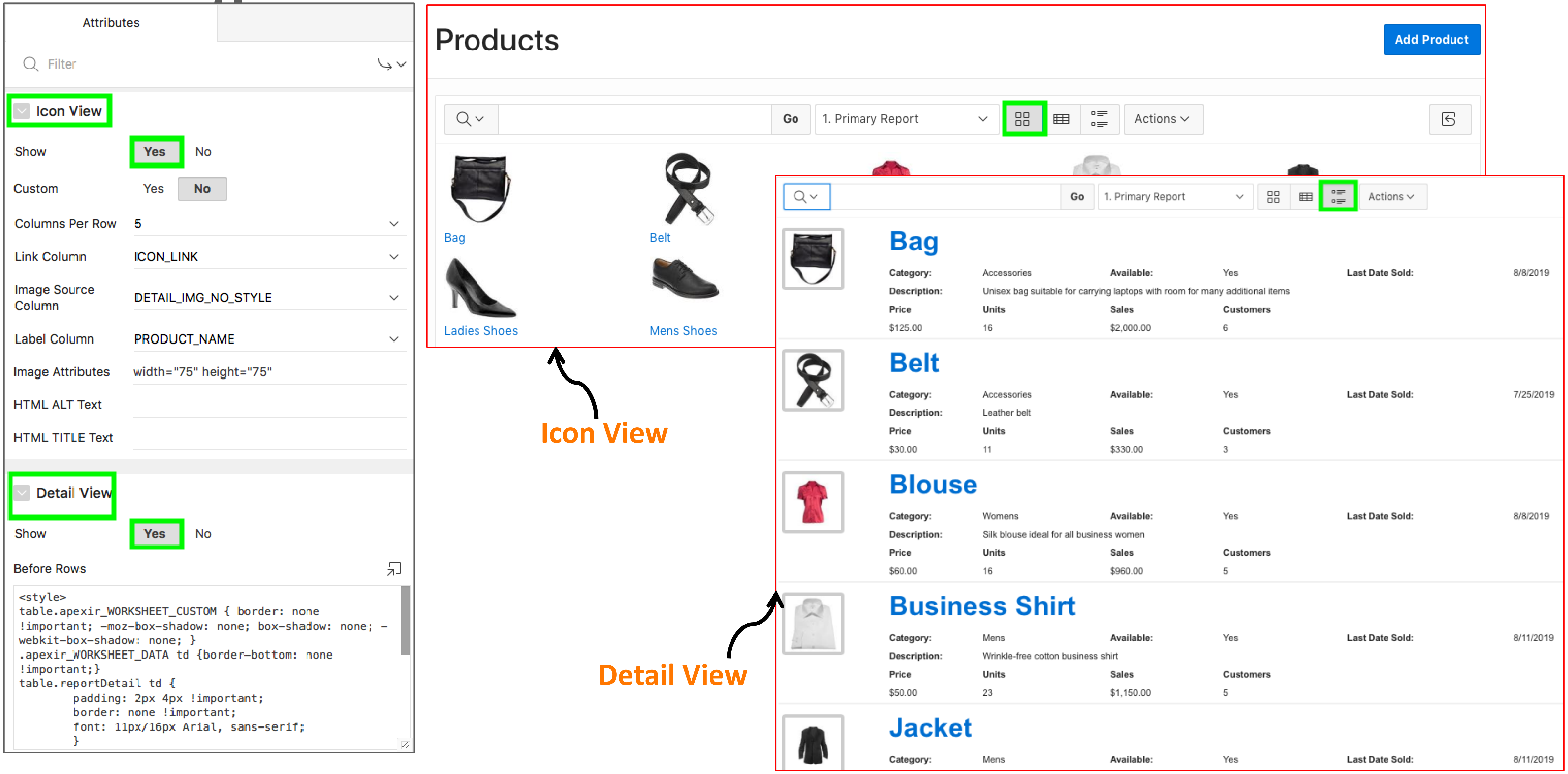




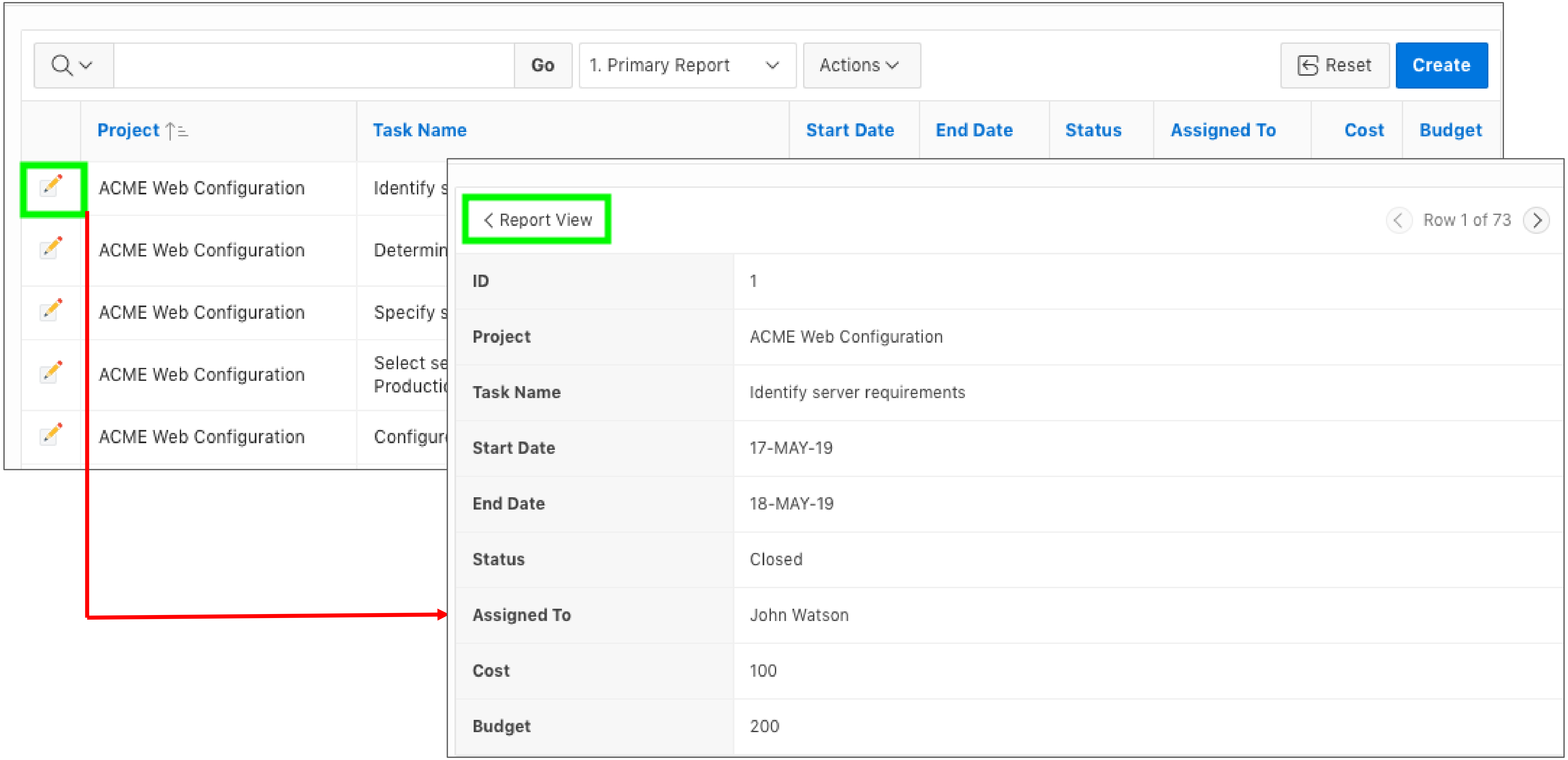
Specifying the Download Formats



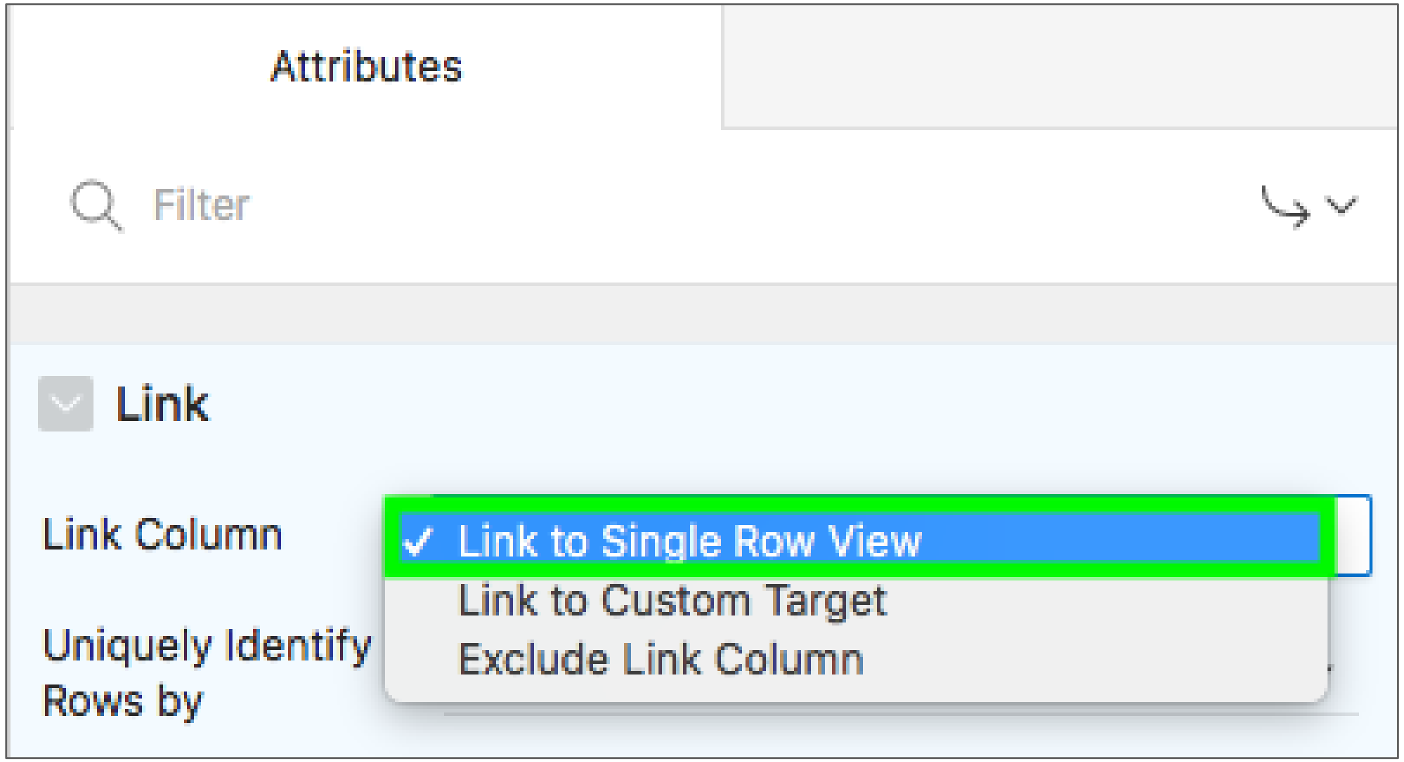
Including the Icon and Detail Views

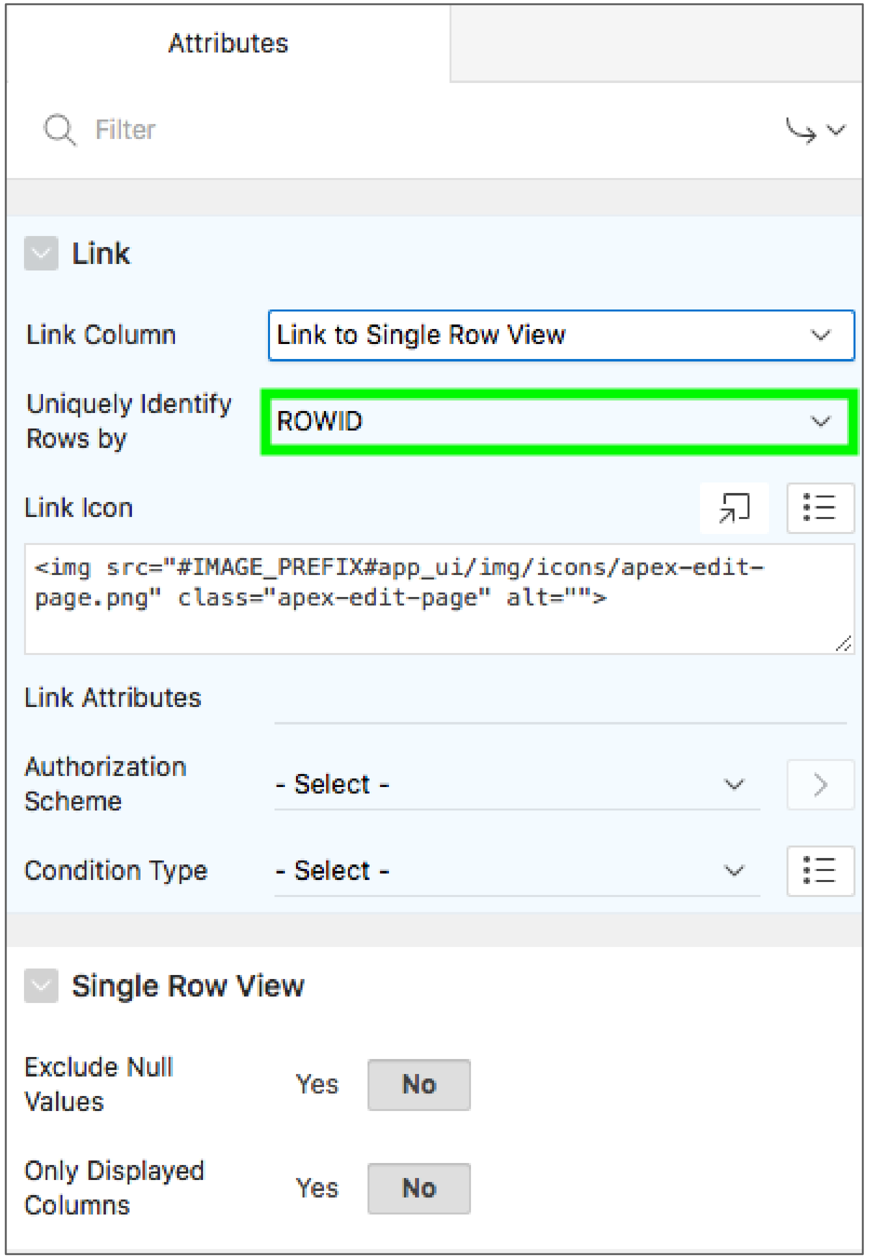


Managing Link Columns

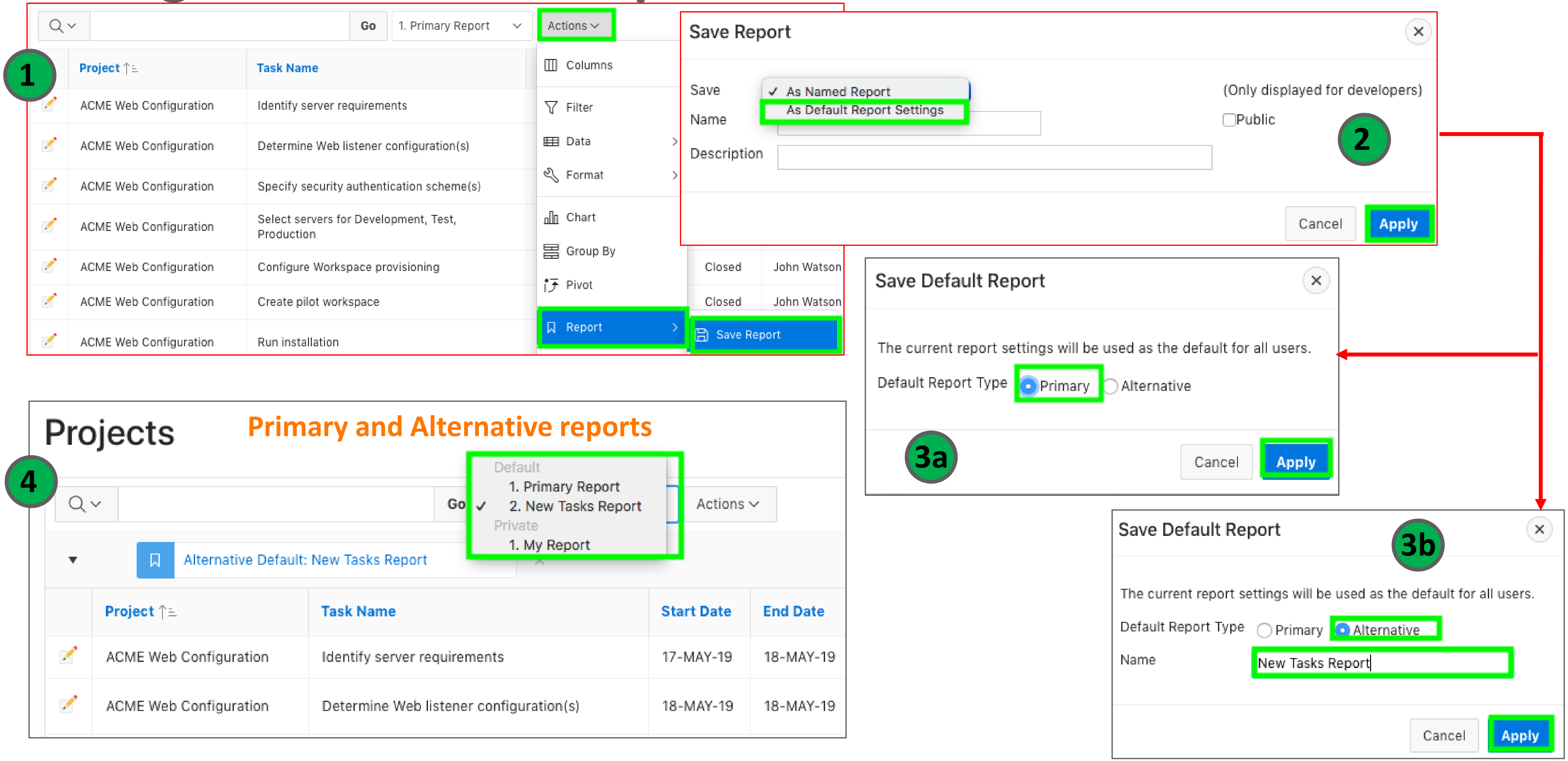


Managing Link Columns





Saving an Interactive Report



Summary

In this lesson, you learned how to:

- Customize an interactive report as an end user
- Customize the display of an interactive report as a developer

Hands-on Lab

Oracle APEX

Unit 7: Managing and Customizing Interactive Grids

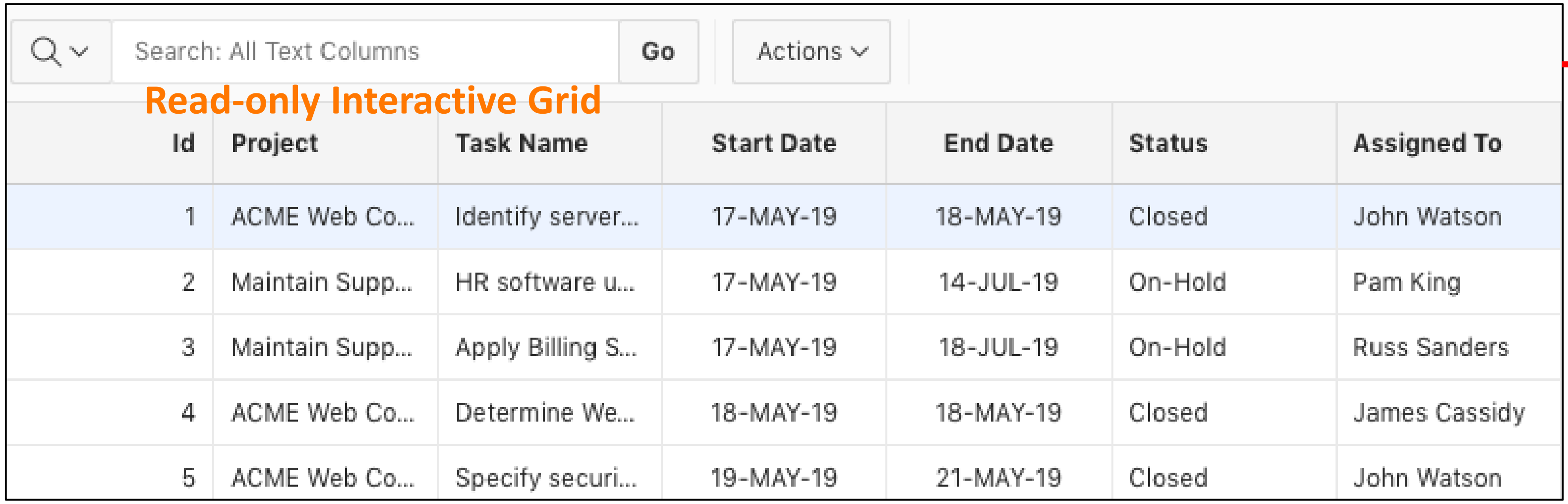
Lesson Objectives

After completing this lesson, you should be able to:

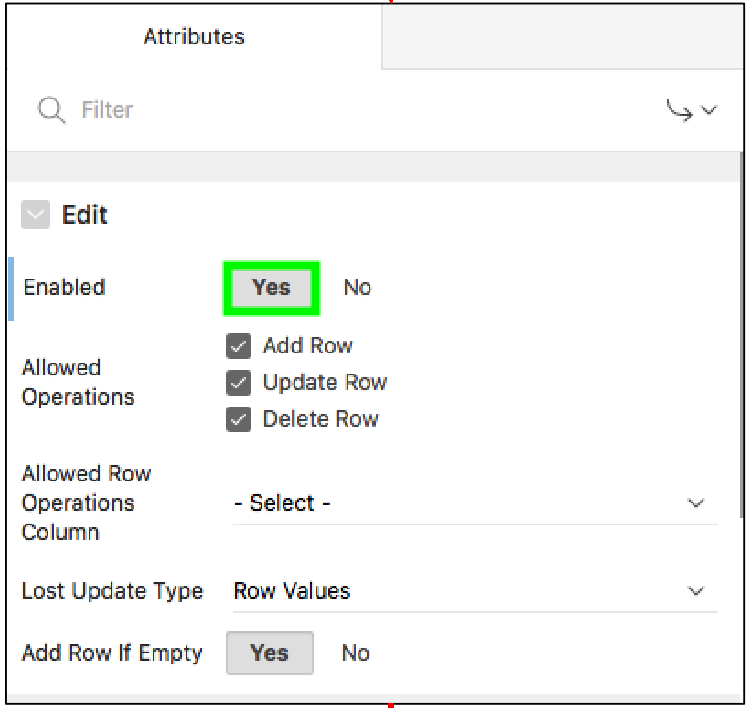
- Manage interactive grid attributes
- Control Interactive Grid Pagination
- Customize the Interactive Grid Toolbar
- Enable Users to Save Public Interactive Grids
- Customize interactive grid as an end user

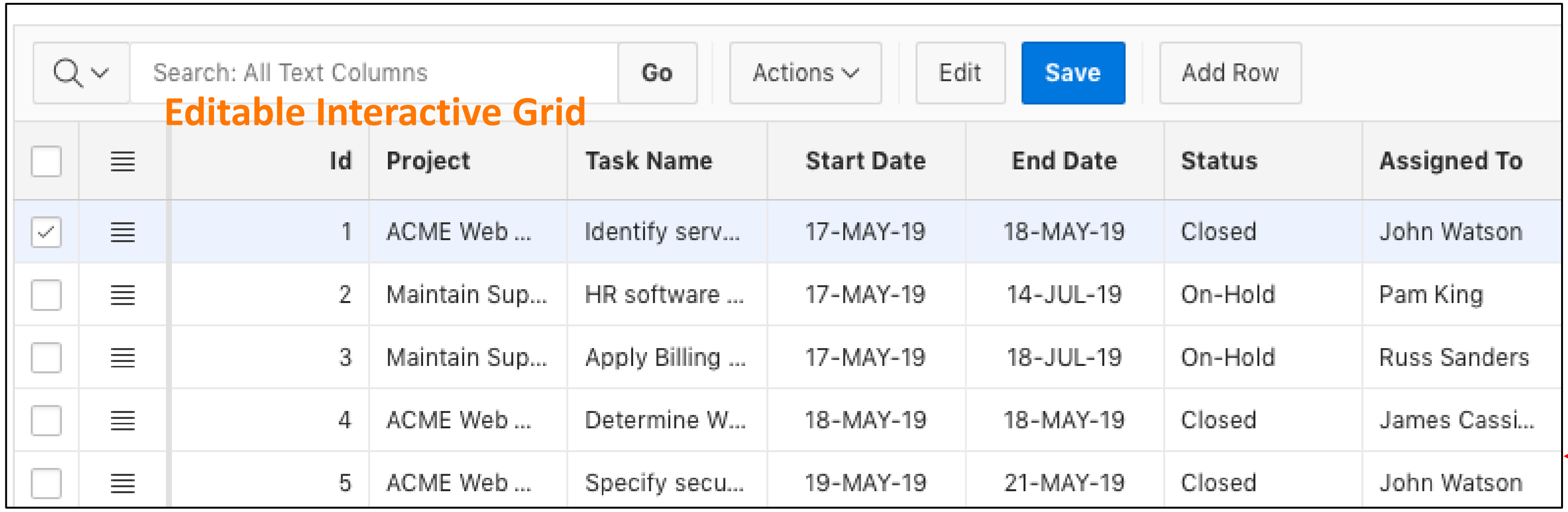
Part 1: Customizing an Interactive Grid as a Developer

Making an Interactive Grid Editable



Id	Project	Task Name	Start Date	End Date	Status	Assigned To
1	ACME Web Co...	Identify server...	17-MAY-19	18-MAY-19	Closed	John Watson
2	Maintain Supp...	HR software u...	17-MAY-19	14-JUL-19	On-Hold	Pam King
3	Maintain Supp...	Apply Billing S...	17-MAY-19	18-JUL-19	On-Hold	Russ Sanders
4	ACME Web Co...	Determine We...	18-MAY-19	18-MAY-19	Closed	James Cassidy
5	ACME Web Co...	Specify securi...	19-MAY-19	21-MAY-19	Closed	John Watson





Id	Project	Task Name	Start Date	End Date	Status	Assigned To
1	ACME Web ...	Identify serv...	17-MAY-19	18-MAY-19	Closed	John Watson
2	Maintain Sup...	HR software ...	17-MAY-19	14-JUL-19	On-Hold	Pam King
3	Maintain Sup...	Apply Billing ...	17-MAY-19	18-JUL-19	On-Hold	Russ Sanders
4	ACME Web ...	Determine W...	18-MAY-19	18-MAY-19	Closed	James Cassi...
5	ACME Web ...	Specify secu...	19-MAY-19	21-MAY-19	Closed	John Watson

Adding Column Group Headers

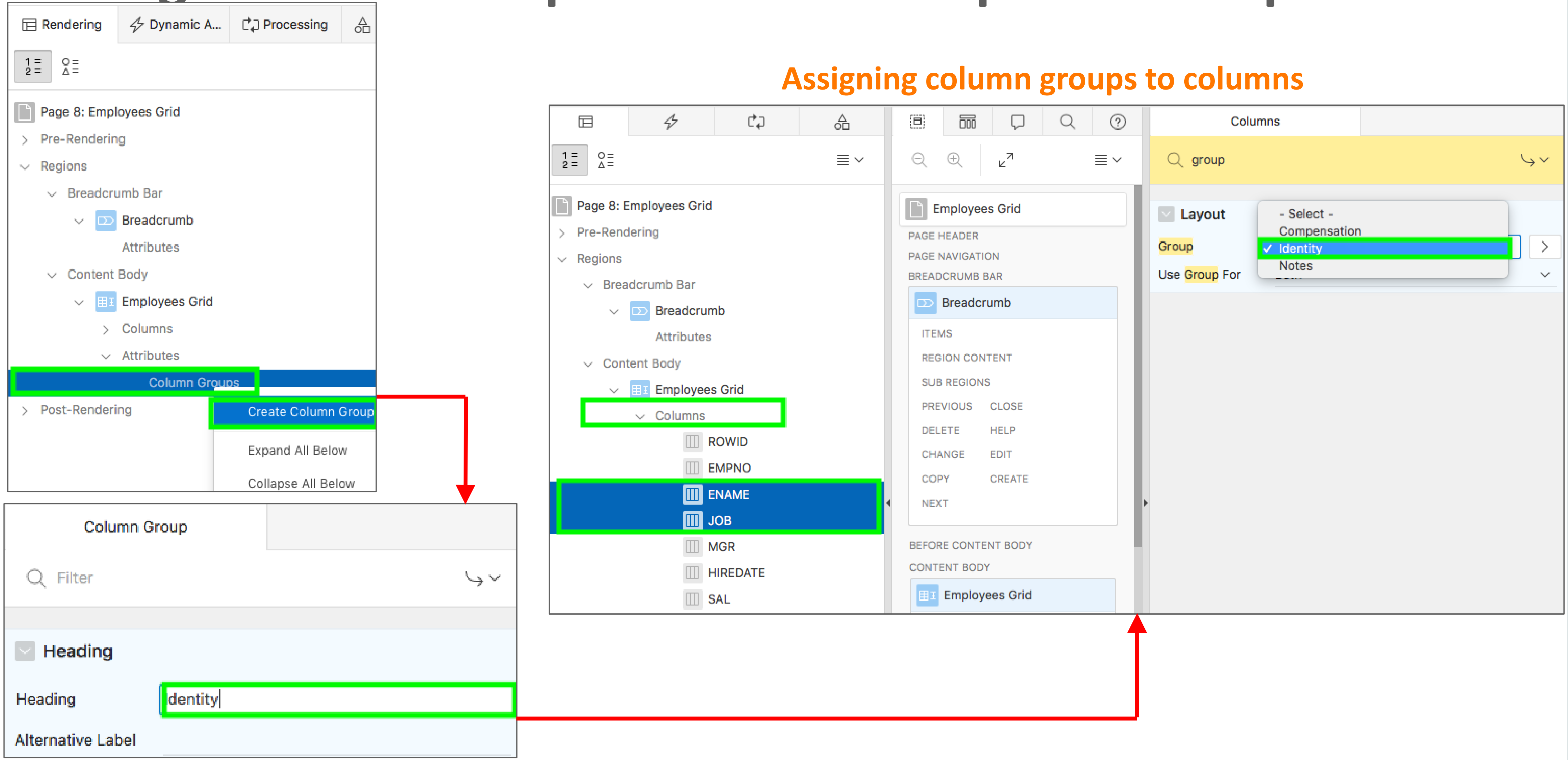
Column groups defined: Identity, Compensation, Notes

Search: All Text Columns Go Actions Reset

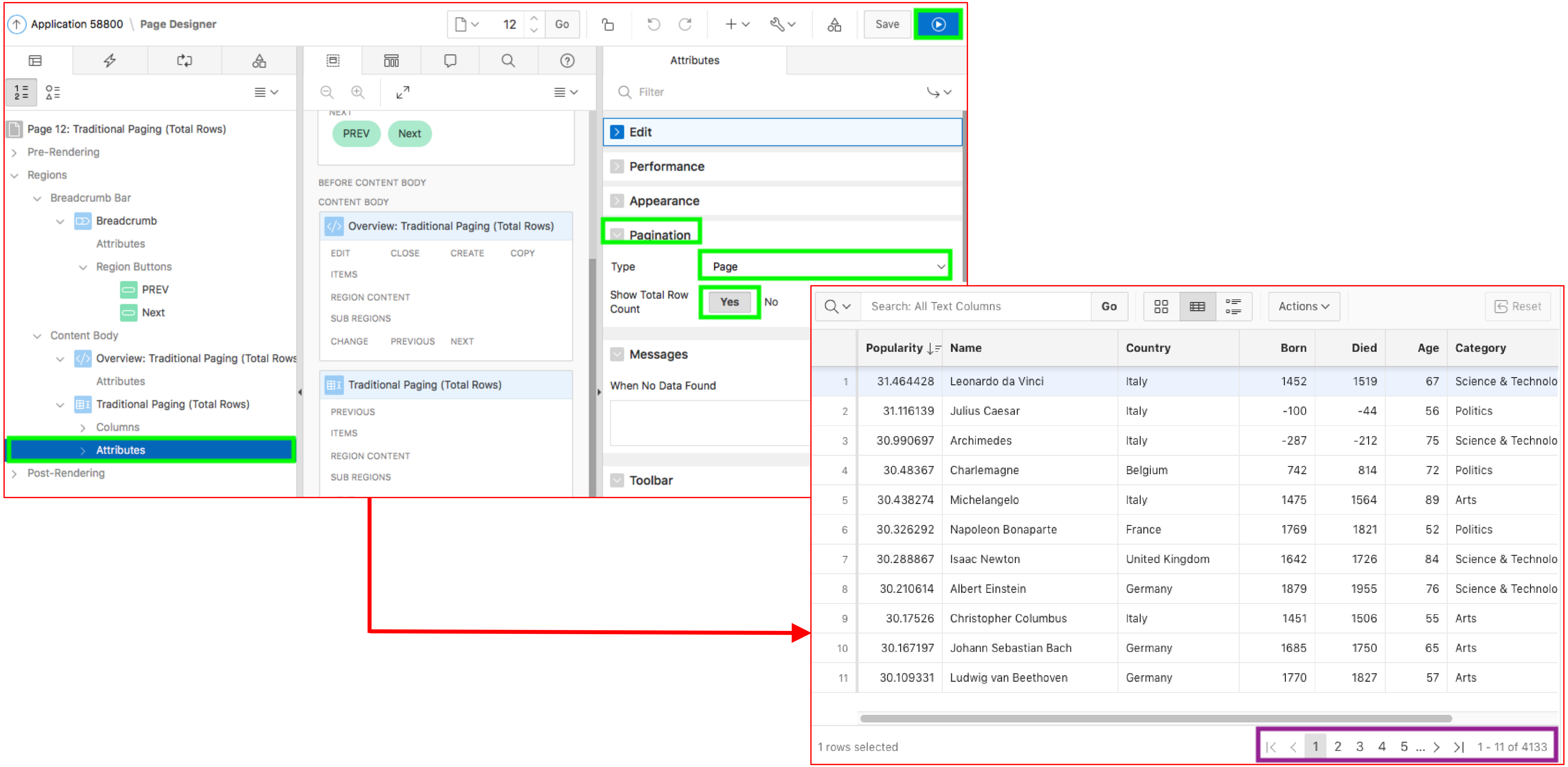
	Identity				Compensation		Notes	
Department	Name	Job	Manager	Hire Date	Salary	Commission	Onleave	Notes
10	KING	PRESIDENT	-	17-NOV-81	5000	-	N	-
30	BLAKE	MANAGER	7839	01-MAY-81	2850	-	N	Lorem ipsum d...
10	CLARK	MANAGER	7839	09-JUN-81	2450	-	N	-
20	JONES	MANAGER	7839	02-APR-81	2975	-	N	-
20	SCOTT	ANALYST	7566	09-DEC-82	3000	-	N	-
20	FORD	ANALYST	7566	03-DEC-81	3000	-	N	-
20	SMITH	CLERK	7902	17-DEC-80	800	-	N	-
30	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	N	-
30	WARD	SALESMAN	7698	22-FEB-81	1250	500	N	-
30	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	N	-
30	TURNER	SALESMAN	7698	08-SEP-81	1500	0	N	-
20	ADAMS	CLERK	7788	12-JAN-83	1100	-	Y	Medical Leave
30	JAMES	CLERK	7698	03-DEC-81	950	-	N	-
10	MILLER	CLERK	7782	23-JAN-82	1300	-	N	-

Adding Column Group Headers: Example and Steps

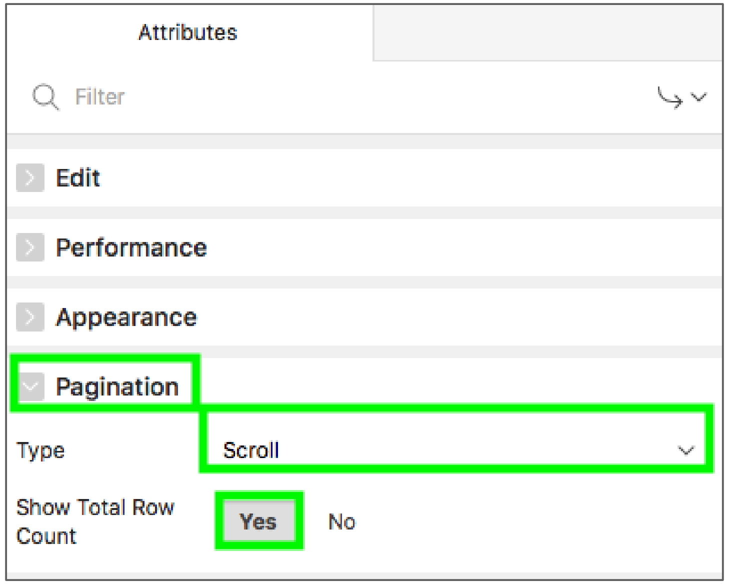
Assigning column groups to columns

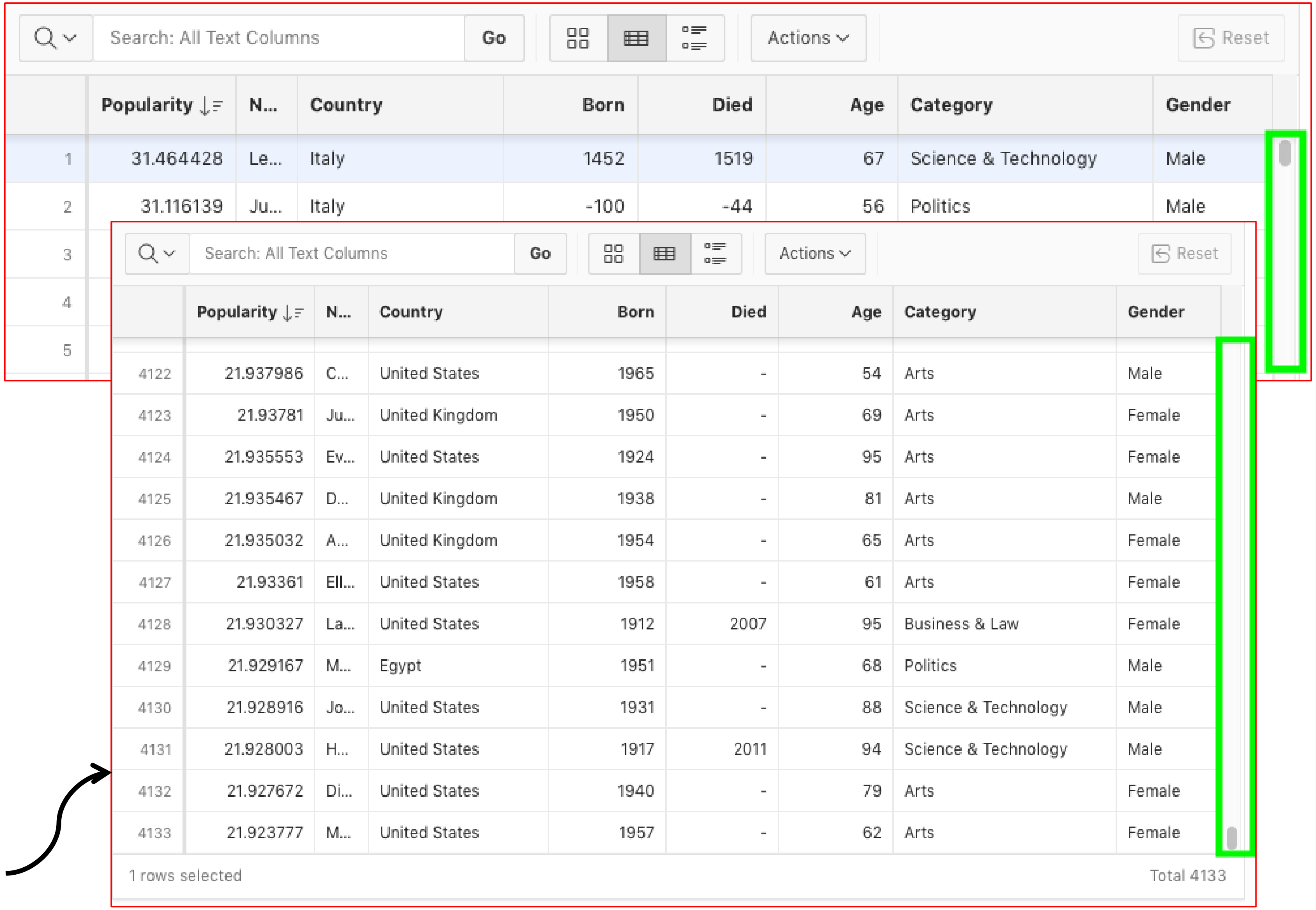


Controlling Interactive Grid Pagination: Example 1



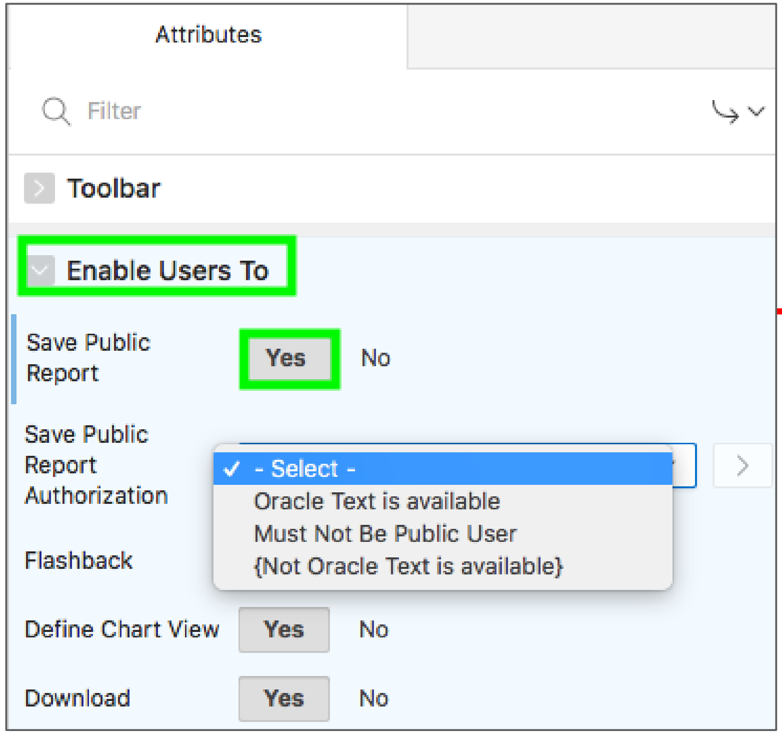
Controlling Interactive Grid Pagination: Example 2



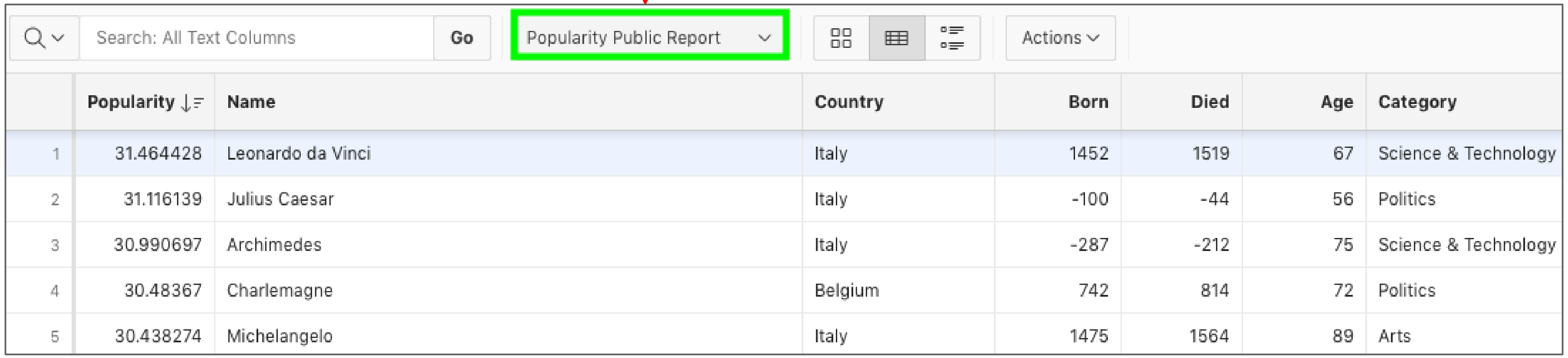


Scroll Paging

Enabling Users to Save Public Interactive Grids

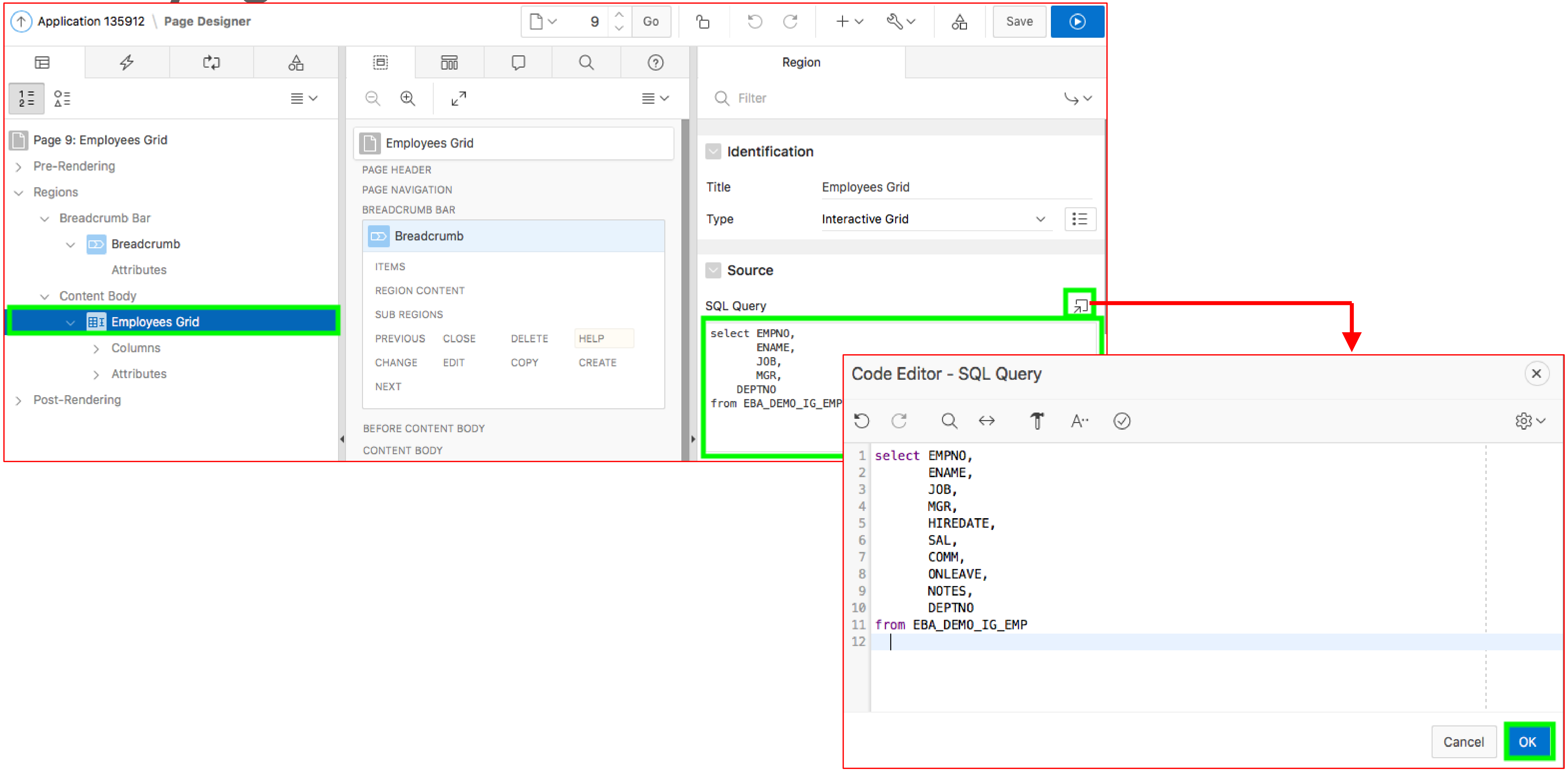


End User Saves Public Report



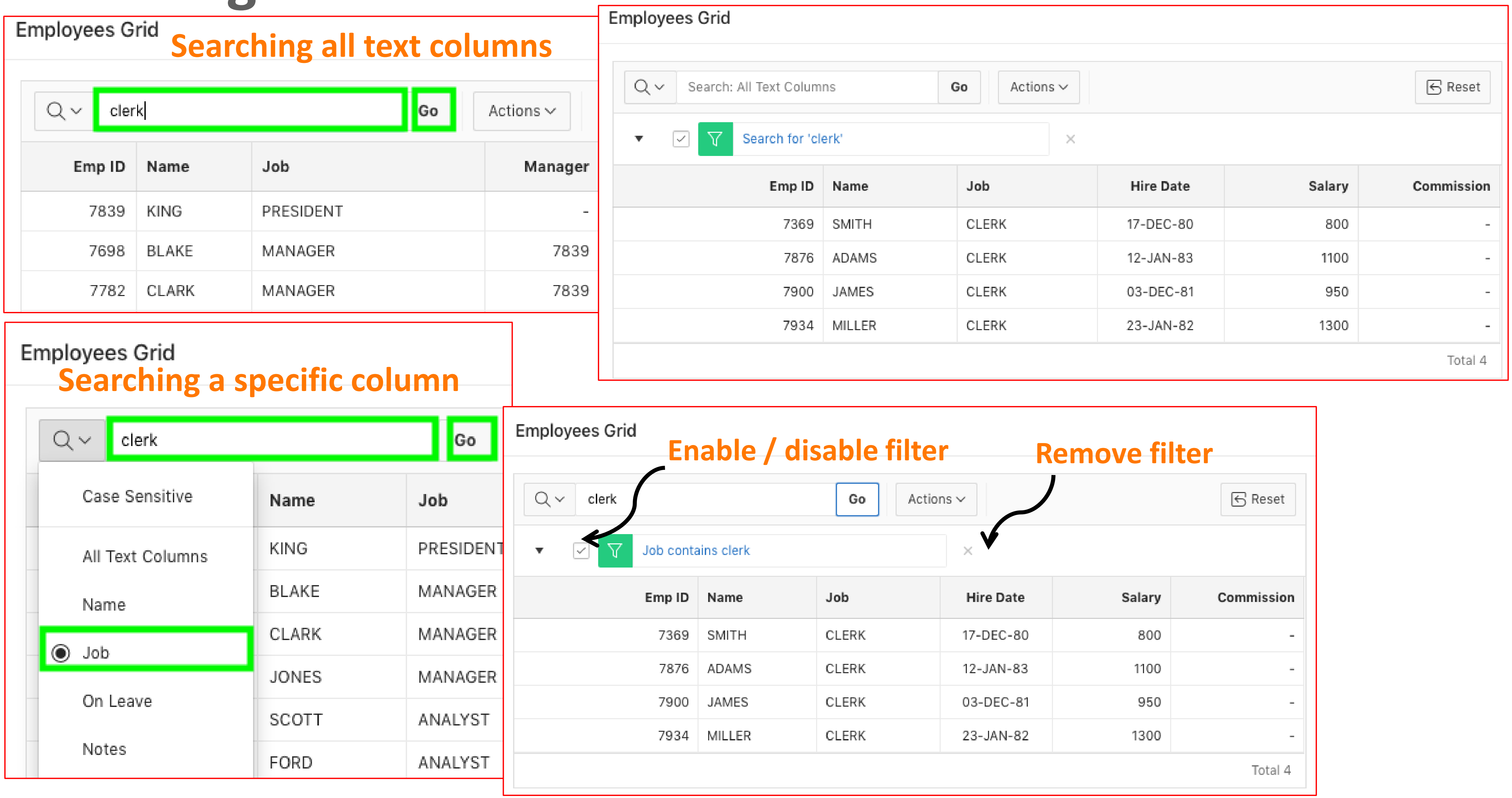
	Popularity	Name	Country	Born	Died	Age	Category
1	31.464428	Leonardo da Vinci	Italy	1452	1519	67	Science & Technology
2	31.116139	Julius Caesar	Italy	-100	-44	56	Politics
3	30.990697	Archimedes	Italy	-287	-212	75	Science & Technology
4	30.48367	Charlemagne	Belgium	742	814	72	Politics
5	30.438274	Michelangelo	Italy	1475	1564	89	Arts

Modifying the SQL Source of an Interactive Grid

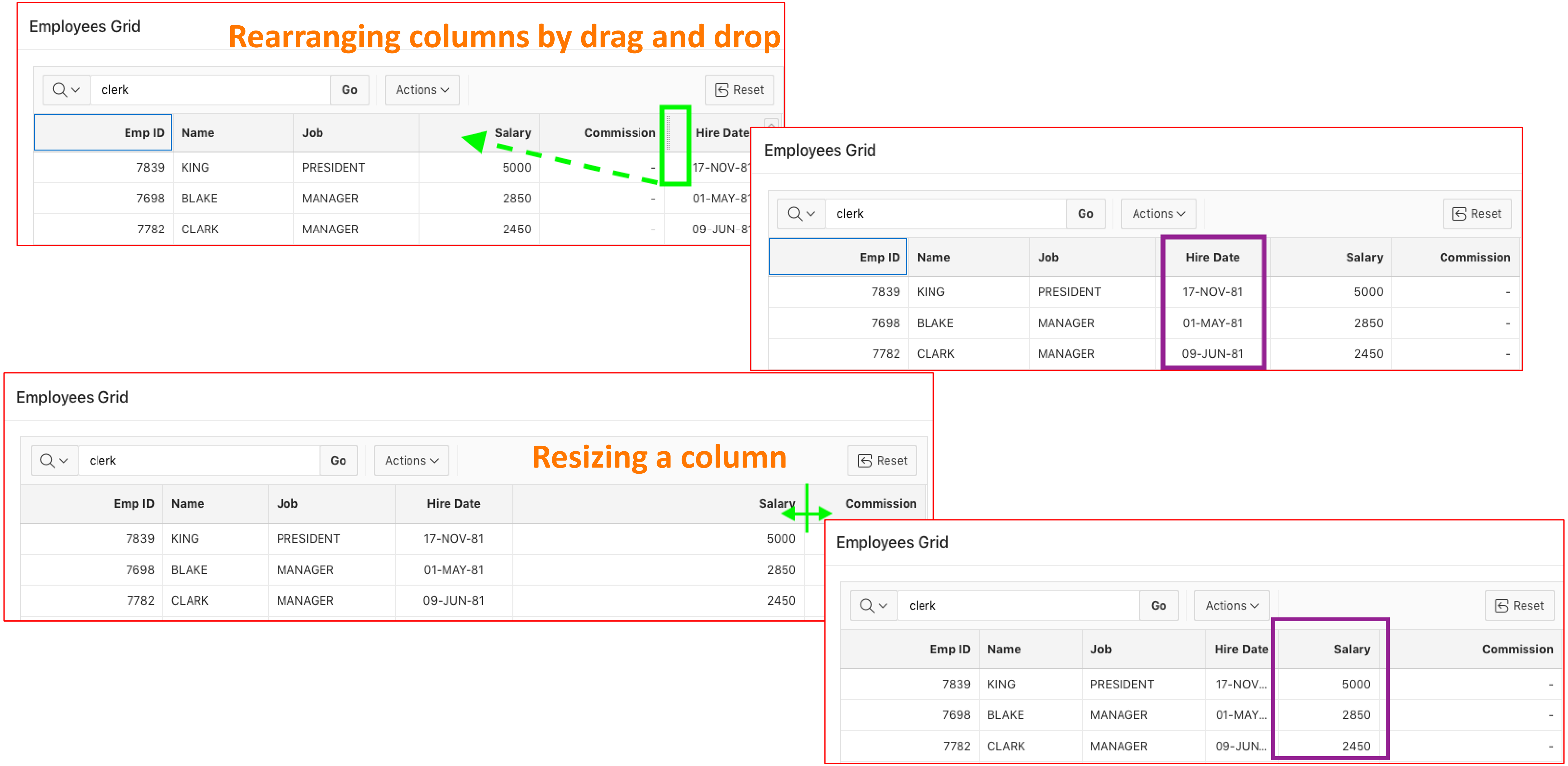


Part 2:Customizing an Interactive Grid as an End User

Searching in an Interactive Grid



Rearranging and Resizing Columns



Sorting Columns in an Interactive Grid

Employees Grid

Sort ascending

clerk Go Actions

Emp ID	Name	Salary	Commission
7839	KING	5000	-
7698	BLAKE	2850	-
7782	CLARK	2450	-
7566	JONES	2975	-
7788	SCOTT	3000	-

Employees Grid

clerk Go Actions

Emp ID	Name	Salary ↑	Commission
7369	SMITH	800	-
7900	JAMES	950	-
7876	ADAMS	1100	-
7654	MARTIN	1250	1400
7521	WARD	1250	500

Employees Grid

Sort descending

clerk Go Actions

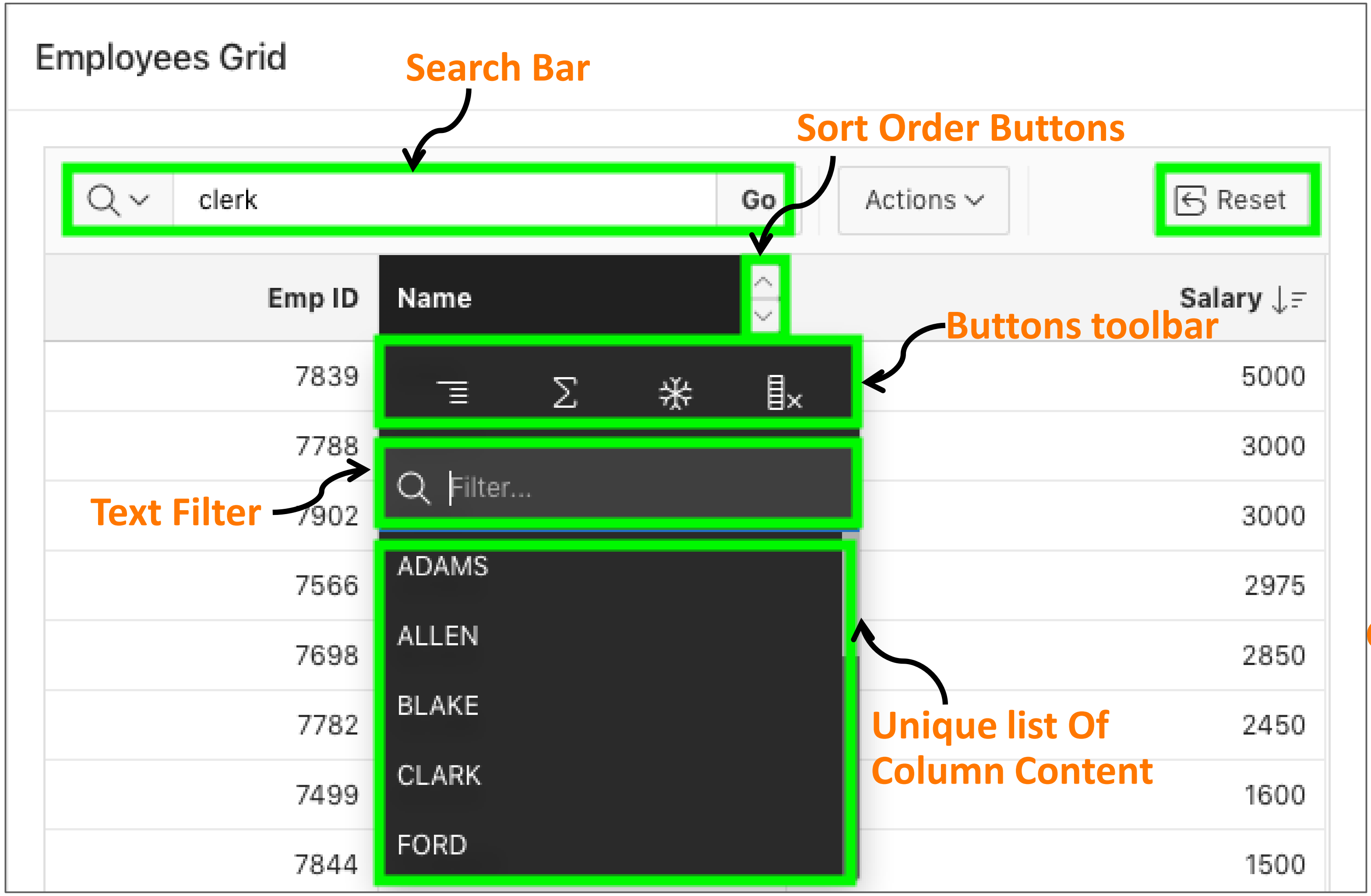
Emp ID	Name	Salary	Commission
7369	SMITH	800	-
7900	JAMES	950	-
7876	ADAMS	1100	-
7654	MARTIN	1250	1400
7521	WARD	1250	500

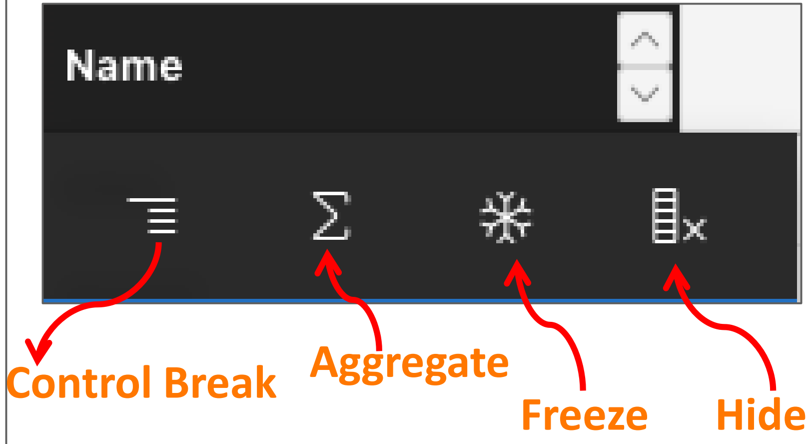
Employees Grid

clerk Go Actions

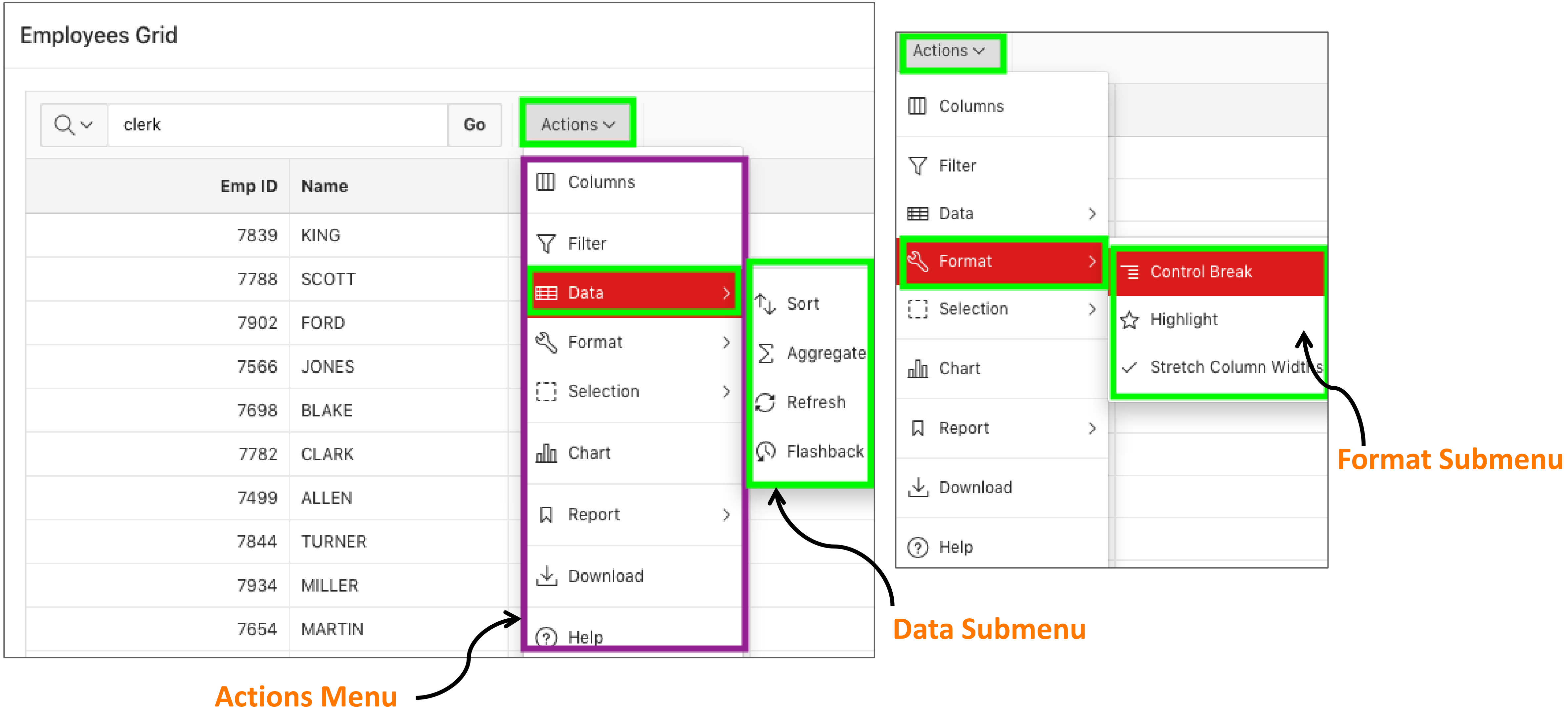
Emp ID	Name	Salary ↓	Commission
7839	KING	5000	-
7788	SCOTT	3000	-
7902	FORD	3000	-
7566	JONES	2975	-
7698	BLAKE	2850	-

Using Interactive Grid Components: Column Heading Menu

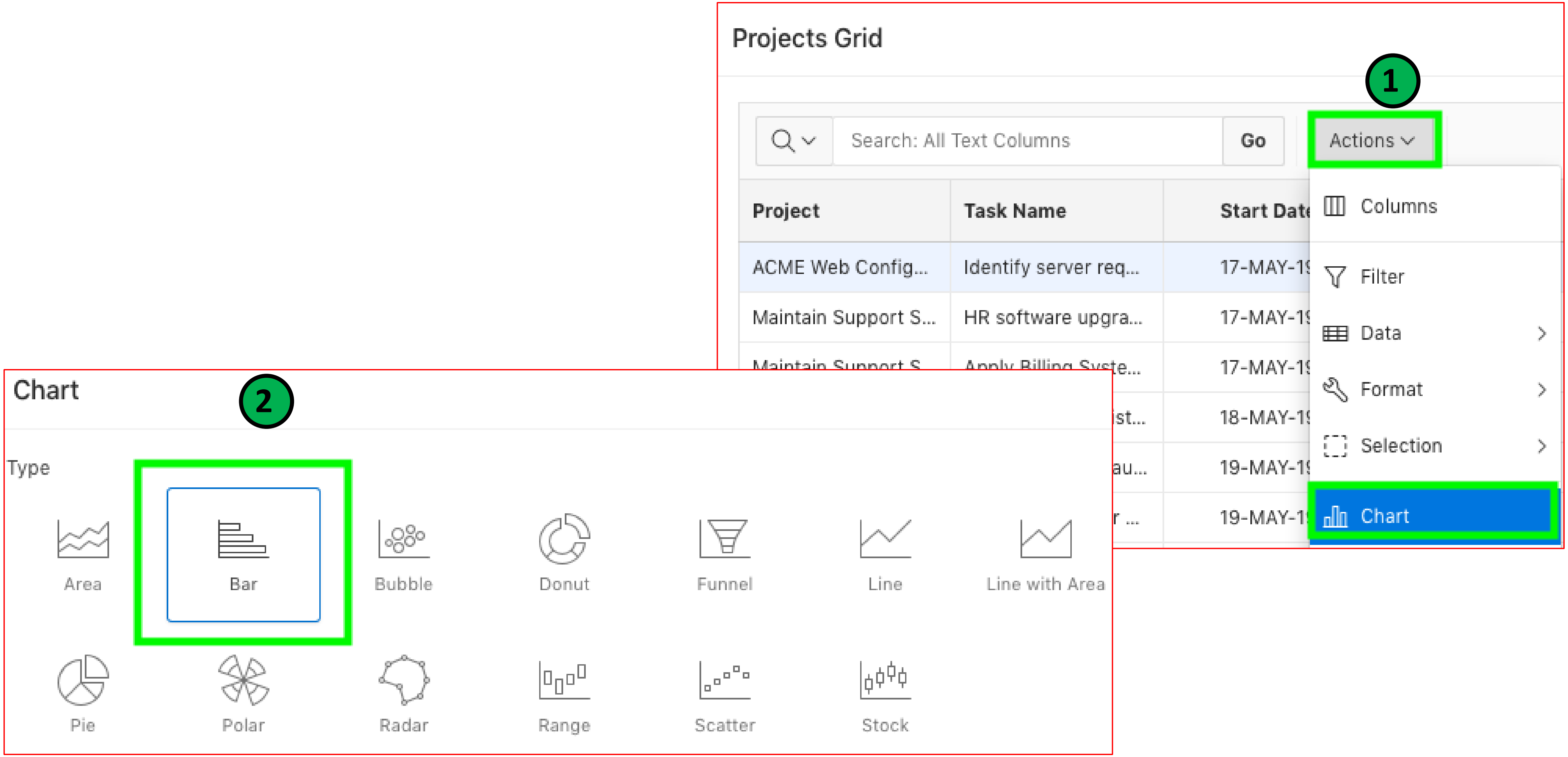




Using Interactive Grid Components: Actions Menu



Using Charts in an Interactive Grid



Using Charts in an Interactive Grid

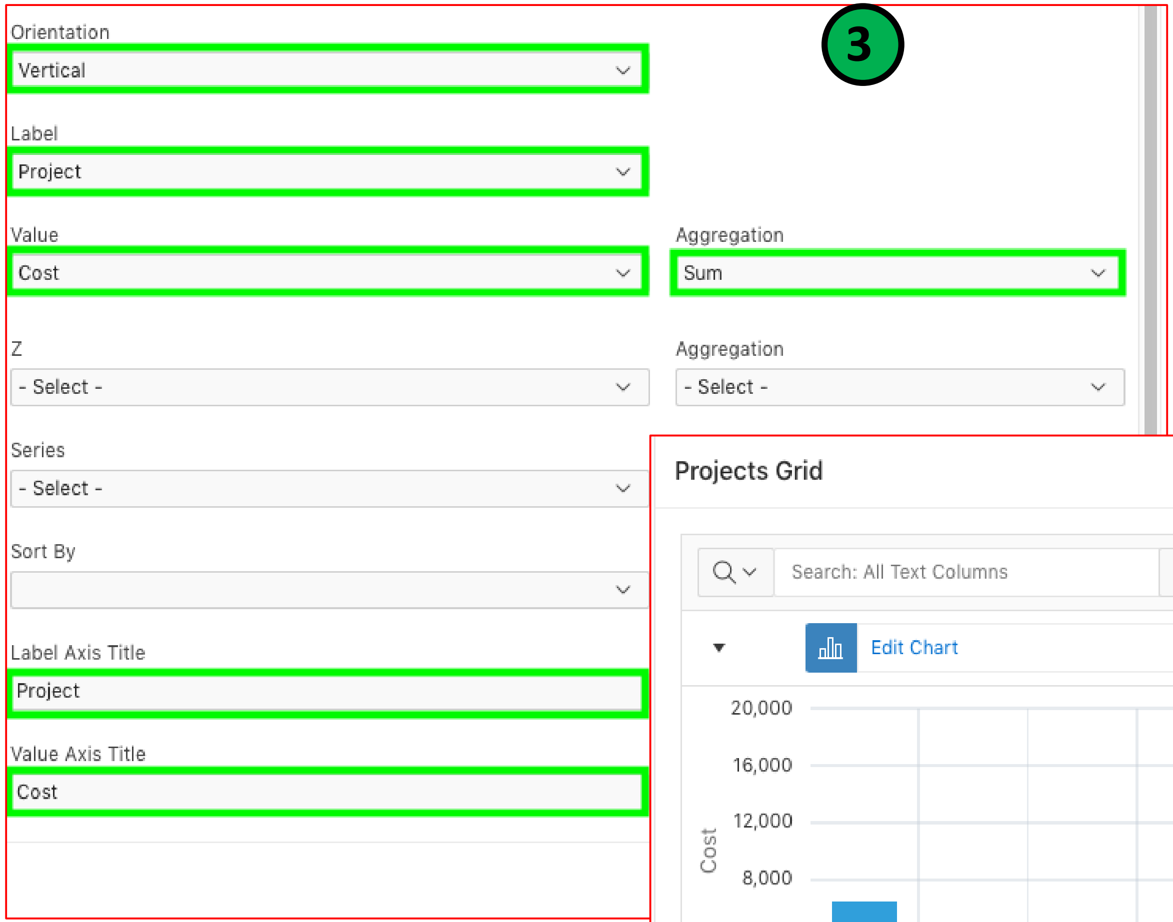
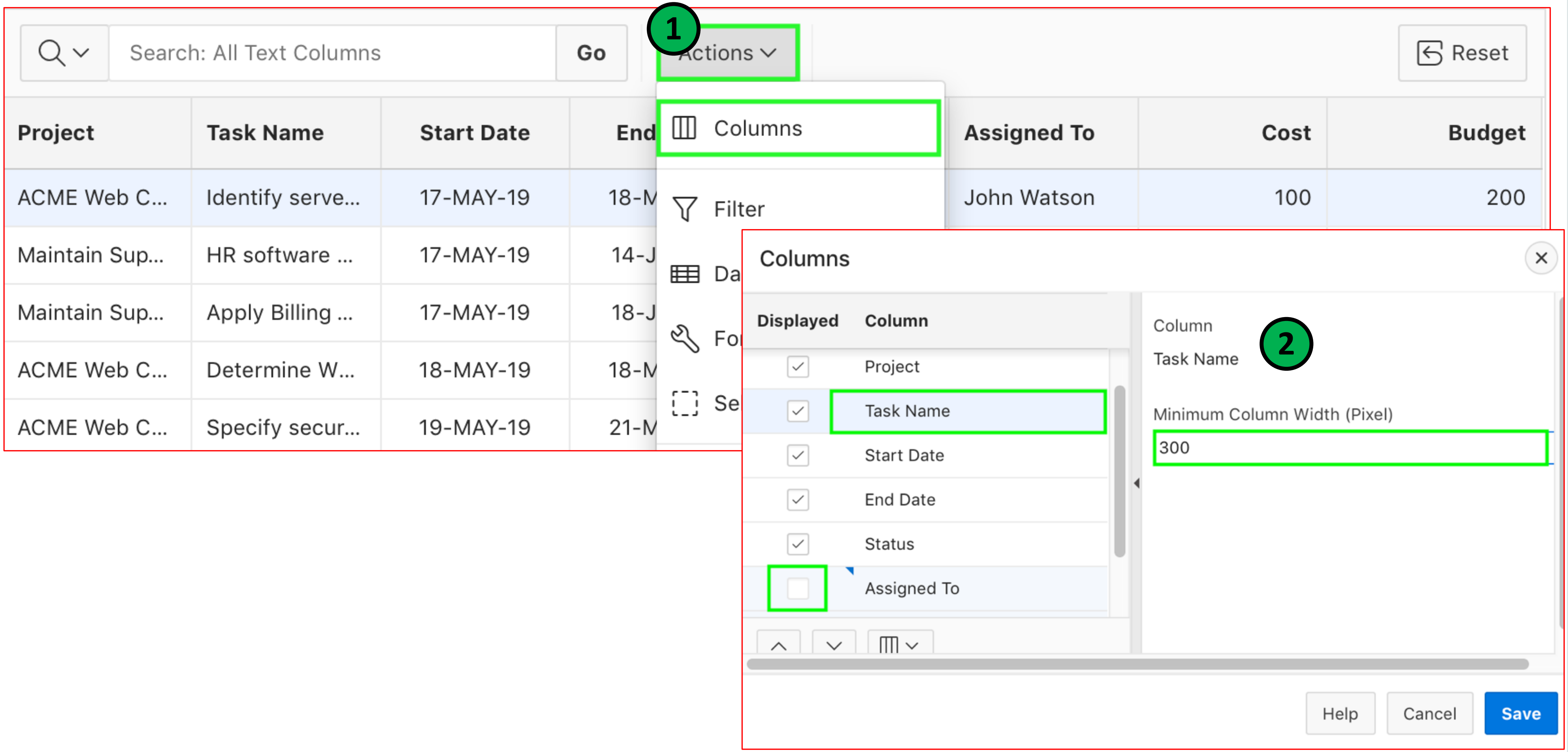
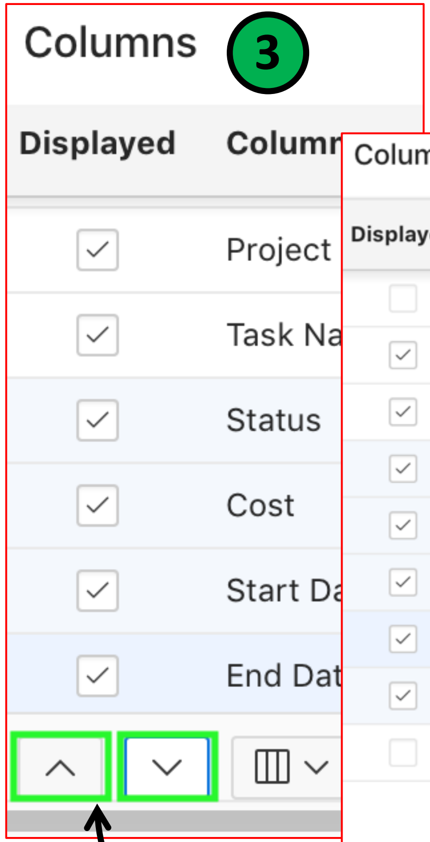


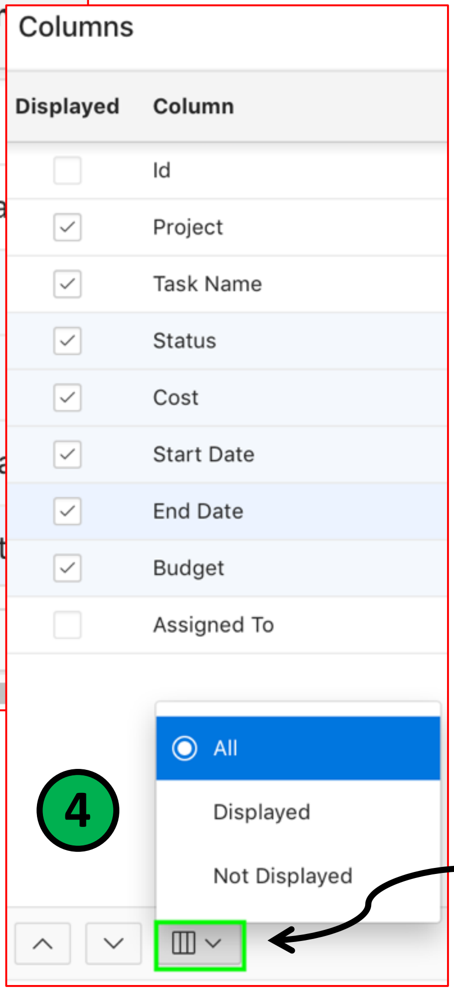
Chart View

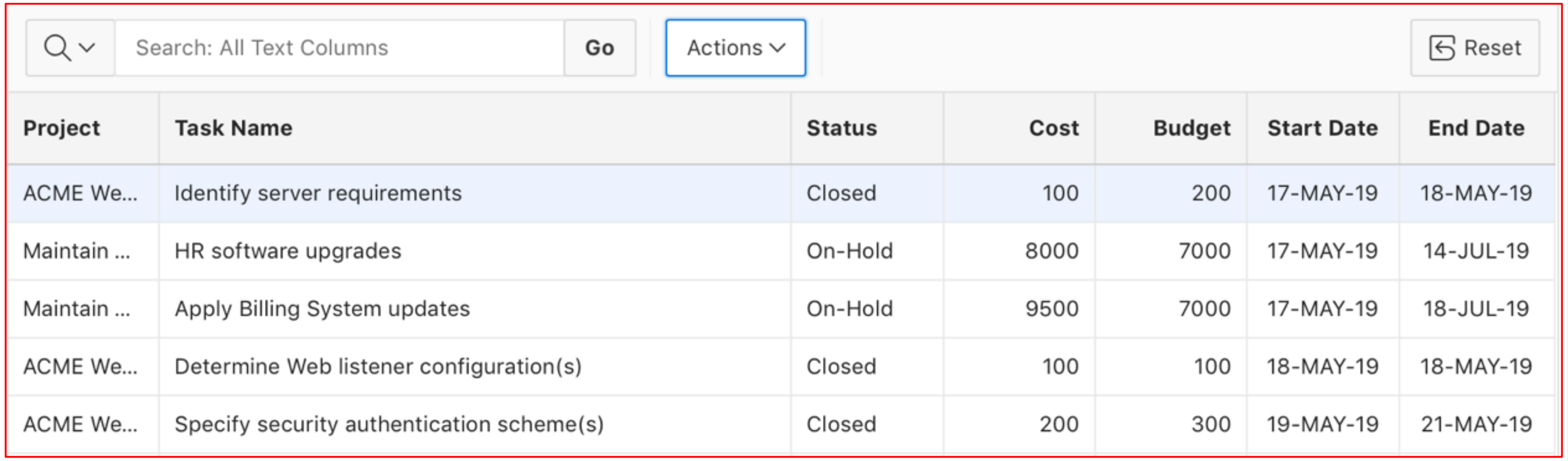
Changing the Column Display in an Interactive Grid



Changing the Column Display in an Interactive Grid



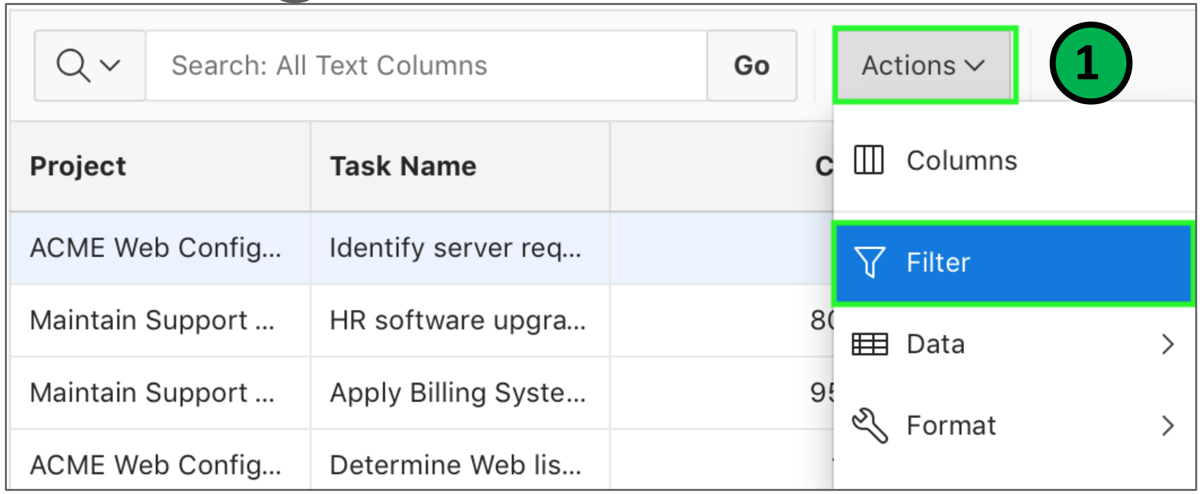


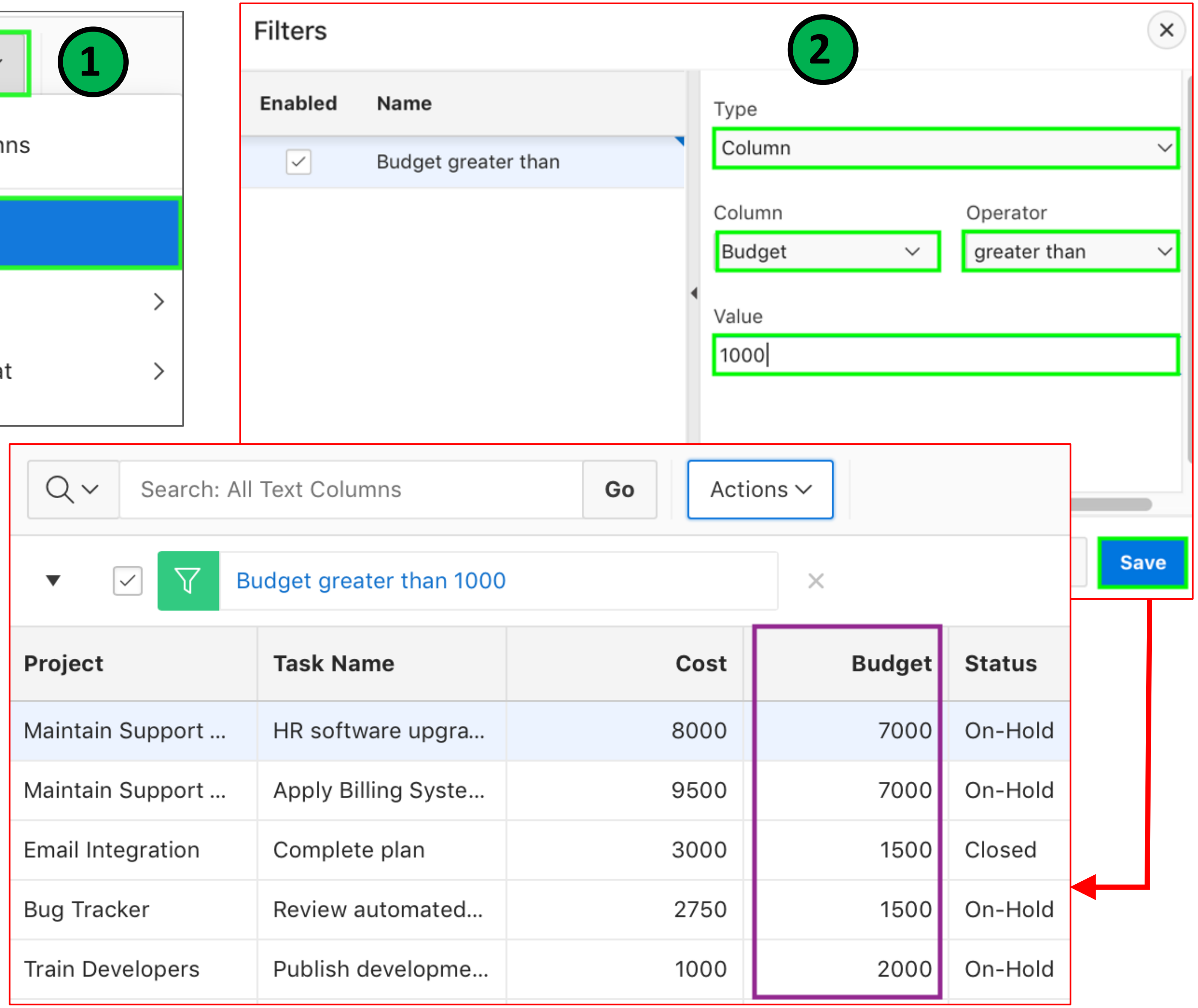


Adjusting the column display order

Toggling the columns button

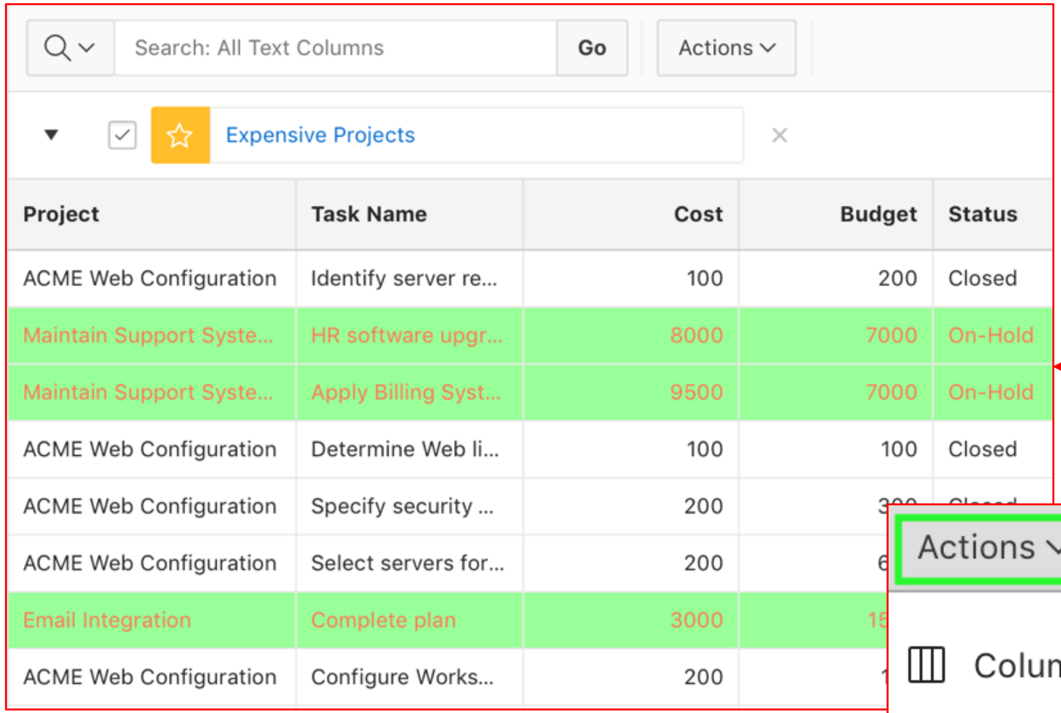
Creating a Column Filter

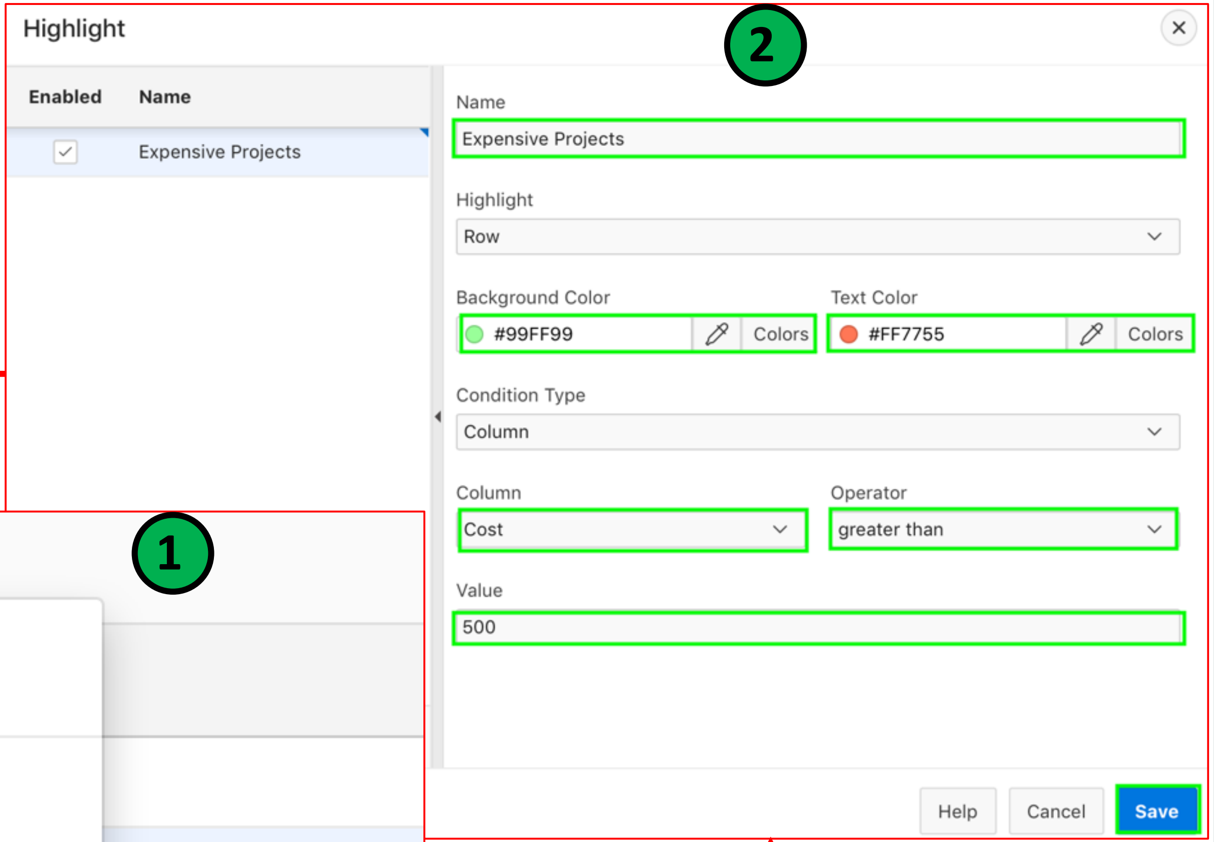


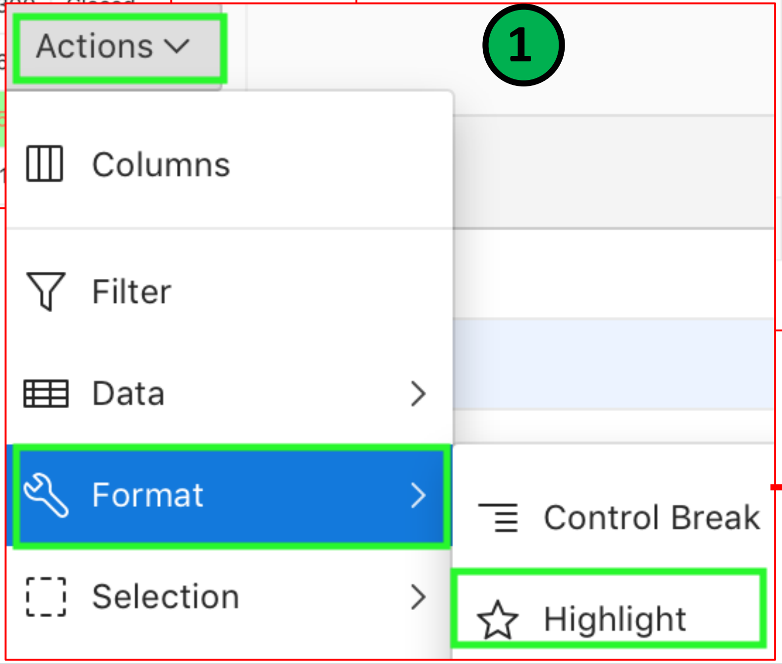


Projects with budget greater than 1000 are displayed

Adding Highlighting to an Interactive Grid



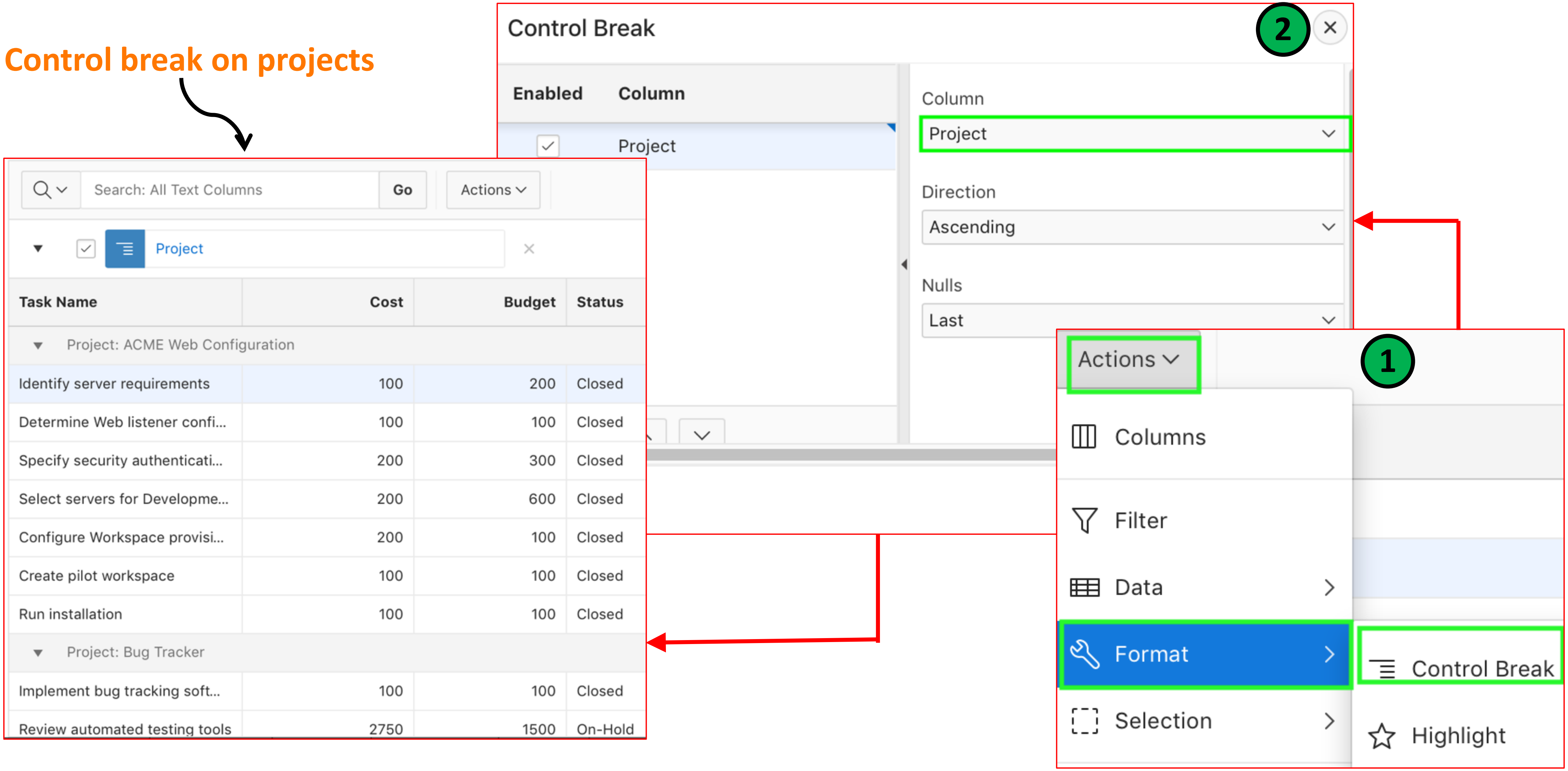




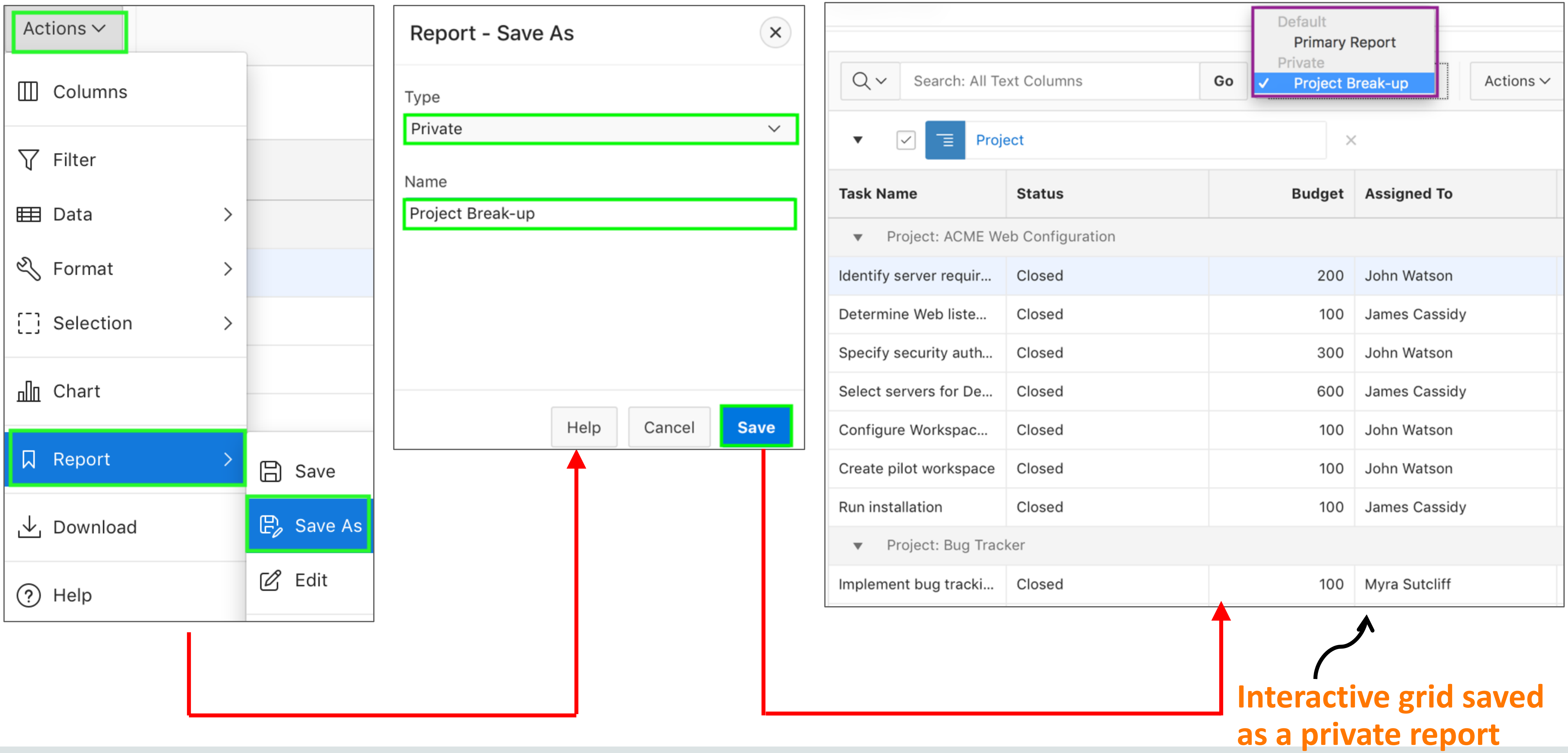
Rows with project cost greater than 500 are highlighted

Creating a Control Break in an Interactive Grid

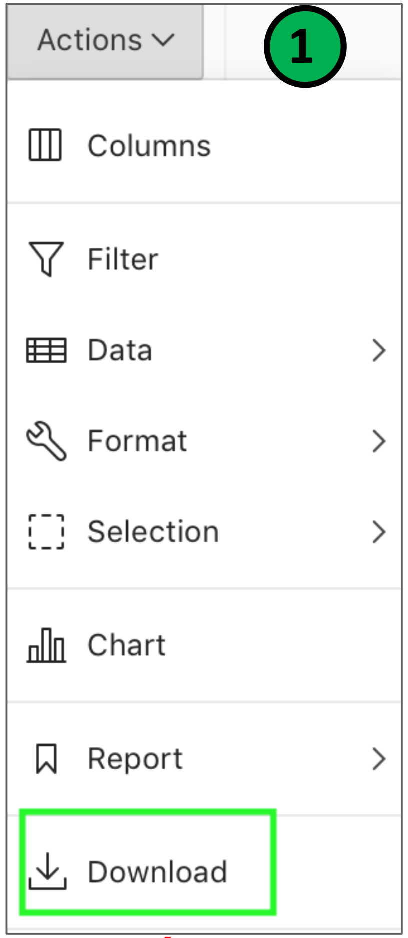
Control break on projects

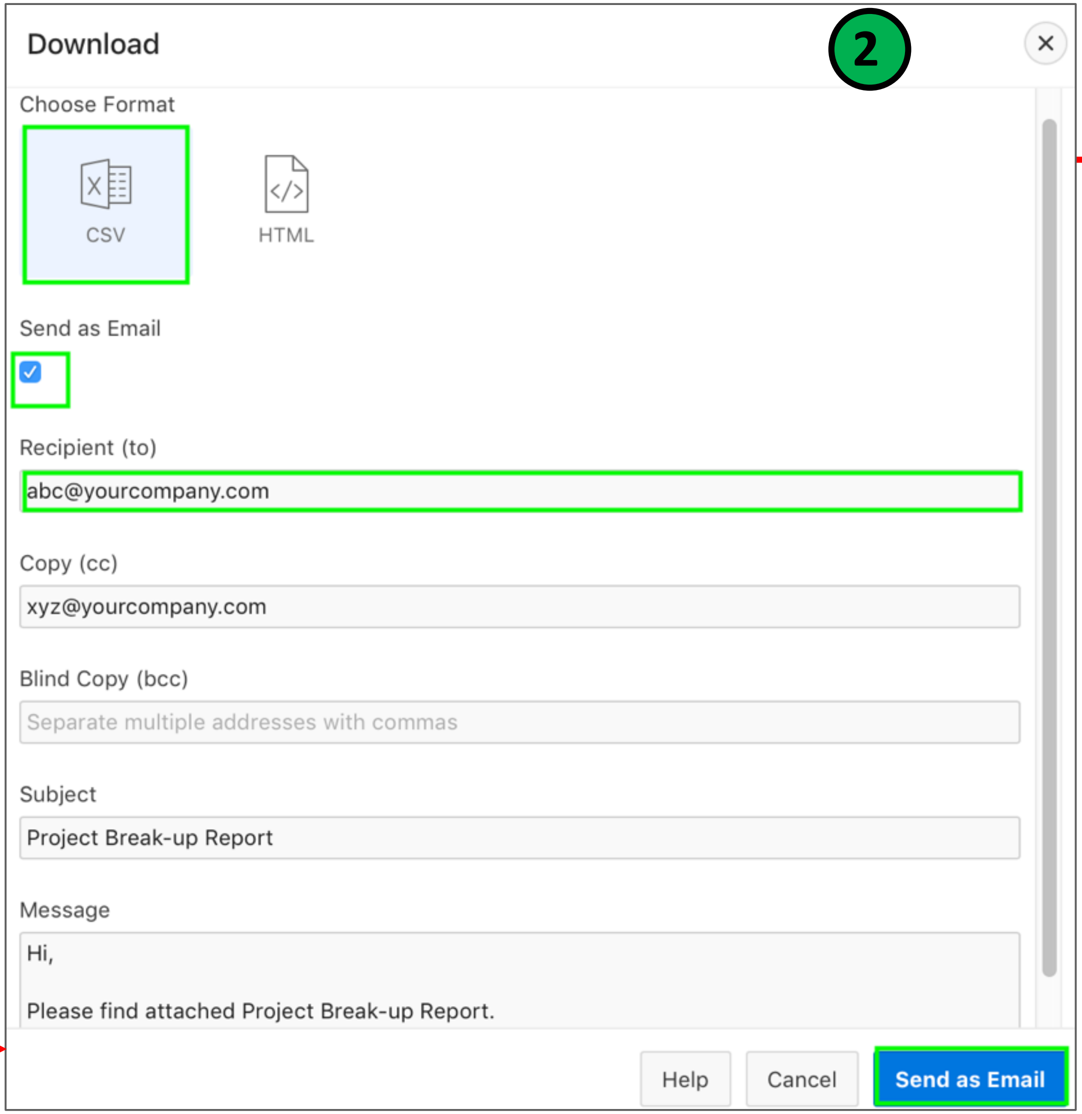


Saving your Customized Interactive Grid as a Report



Downloading or Emailing an Interactive Grid



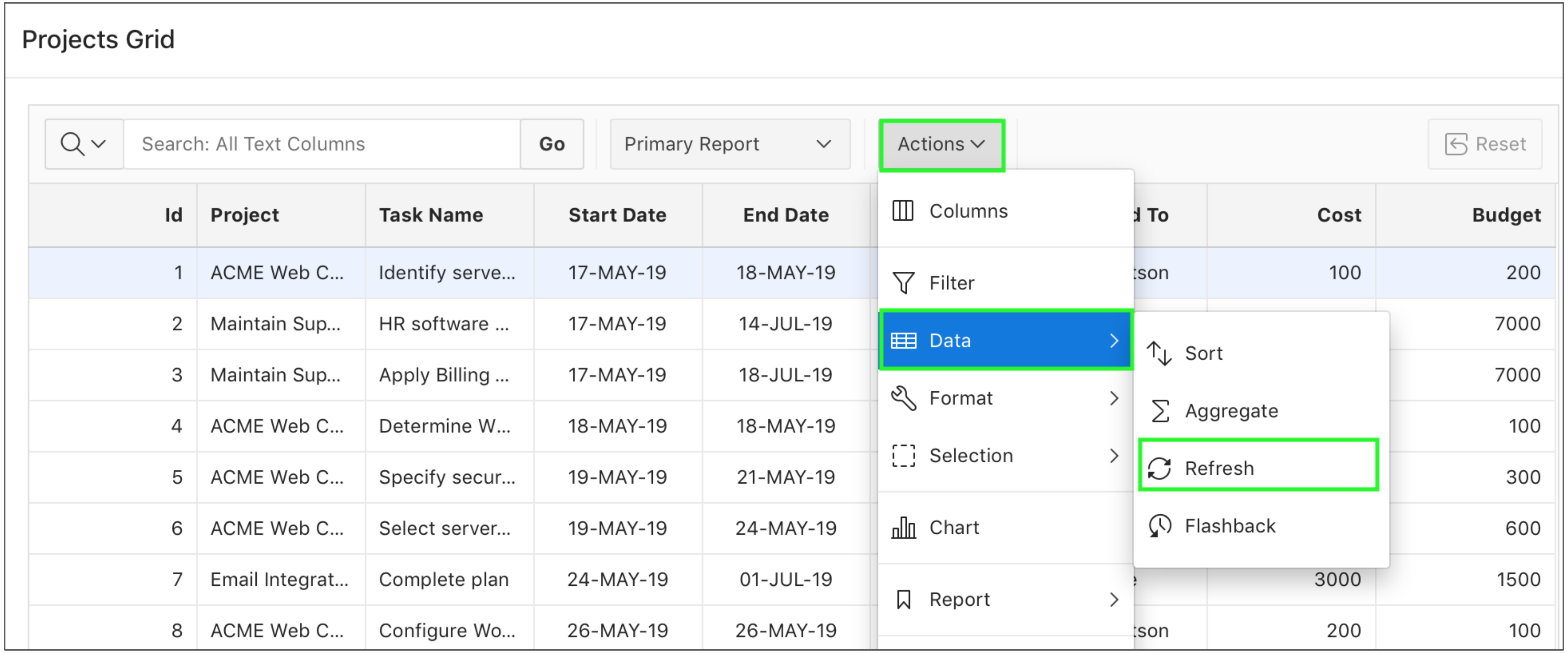


	A	B	C	D	E	F	G
1	Task Name	Status	Budget	Assigned To	Start Date	End Date	Cost
2	Identify serv	Closed	200	John Watson	17-May-19	18-May-19	100
3	Determine W	Closed	100	James Cassic	18-May-19	18-May-19	100
4	Specify secu	Closed	300	John Watson	19-May-19	21-May-19	200
5	Select server	Closed	600	James Cassic	19-May-19	24-May-19	200
6	Configure W	Closed	100	John Watson	26-May-19	26-May-19	200
7	Create pilot	Closed	100	John Watson	26-May-19	26-May-19	100
8	Run installat	Closed	100	James Cassic	27-May-19	27-May-19	100
9	Implement b	Closed	100	Myra Sutcliff	31-May-19	31-May-19	100
10	Review auto	On-Hold	1500	Myra Sutcliff	01-Jun-19	02-Jul-19	2750
11	Document qu	Open	4000	Myra Sutcliff	03-Jul-19	06-Aug-19	3500
12	Train develo	On-Hold	2000	Myra Sutcliff	07-Aug-19	27-Sep-19	0
13	Measure effe	Pending	1500	Myra Sutcliff	19-Aug-19	19-Sep-19	0
14	Identify pilot	Closed	200	Scott Spence	20-Jun-19	21-Jun-19	200

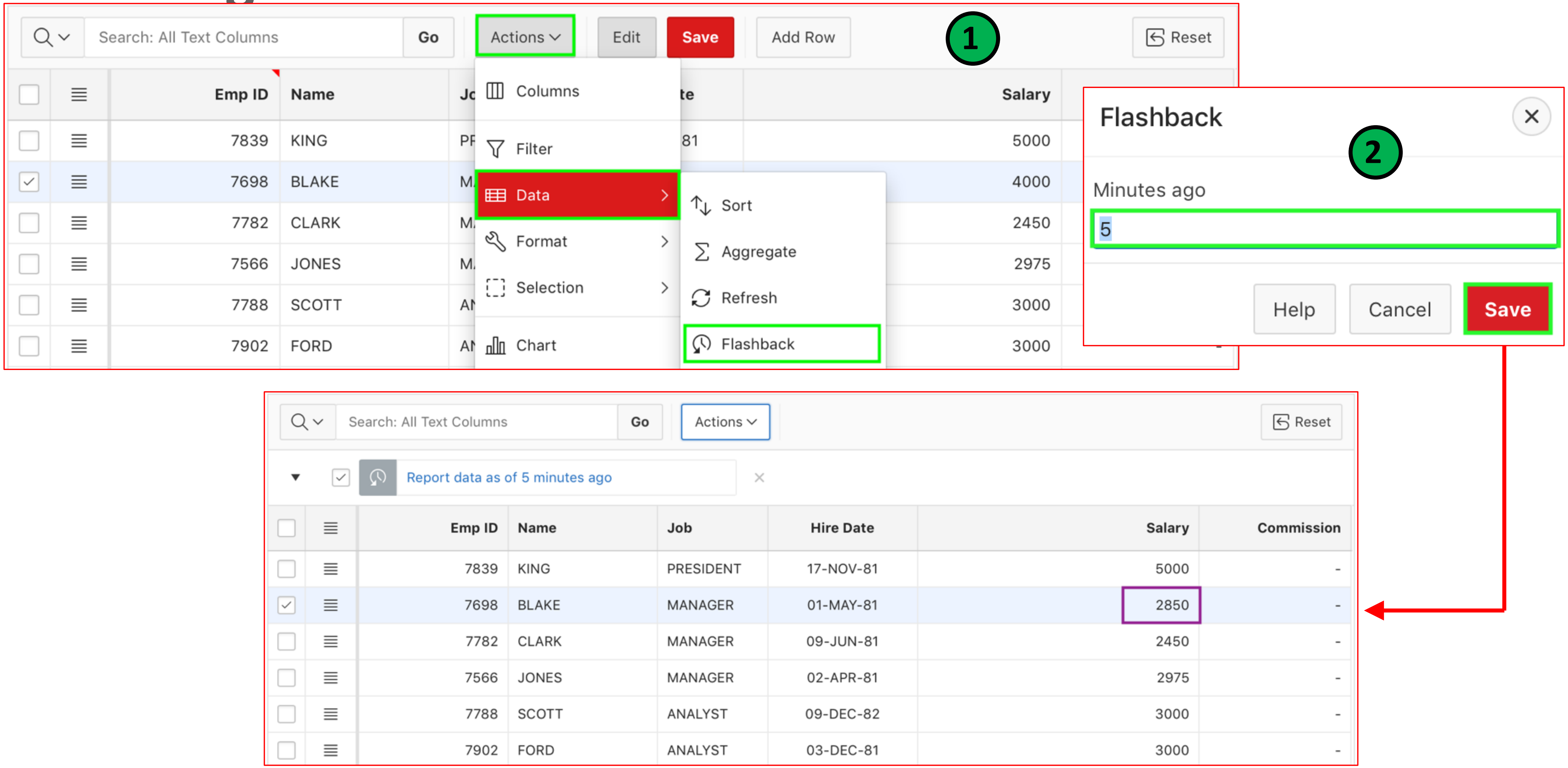
Report sent as Email attachment

Refreshing an Interactive Grid

Update an interactive grid with the most current data available on the database



Reversing an Interactive Grid to a Previous State



Summary

In this lesson, you learned how to:

- Manage interactive grid attributes
- Control Interactive Grid Pagination
- Customize the Interactive Grid Toolbar
- Enable Users to Save Public Interactive Grids
- Customize interactive grid as an end user

Hands-on Lab

Oracle APEX

Unit 8: Creating and Using Forms

Lesson Objectives

After completing this lesson, you should be able to:

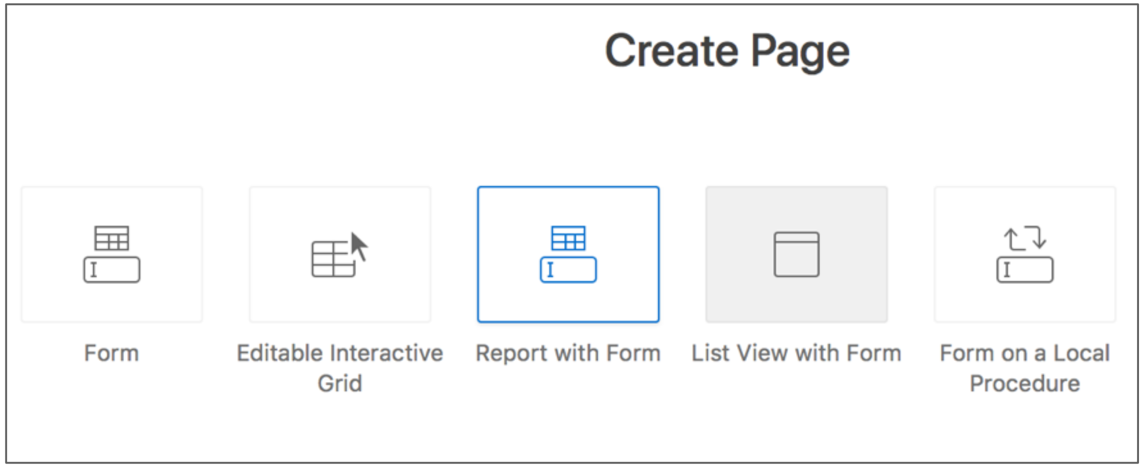
- Describe an application form in Oracle APEX
- List the different types of application forms that you can create in Oracle APEX
- List the different wizards you use to create forms
- Create an editable interactive grid
- Create a simple form and link a report to this form
- Create the following types of master detail forms:
  - ✓ Stacked
  - ✓ Side by Side
  - ✓ Drill Down
- Modify a form

Understanding Forms in Oracle APEX

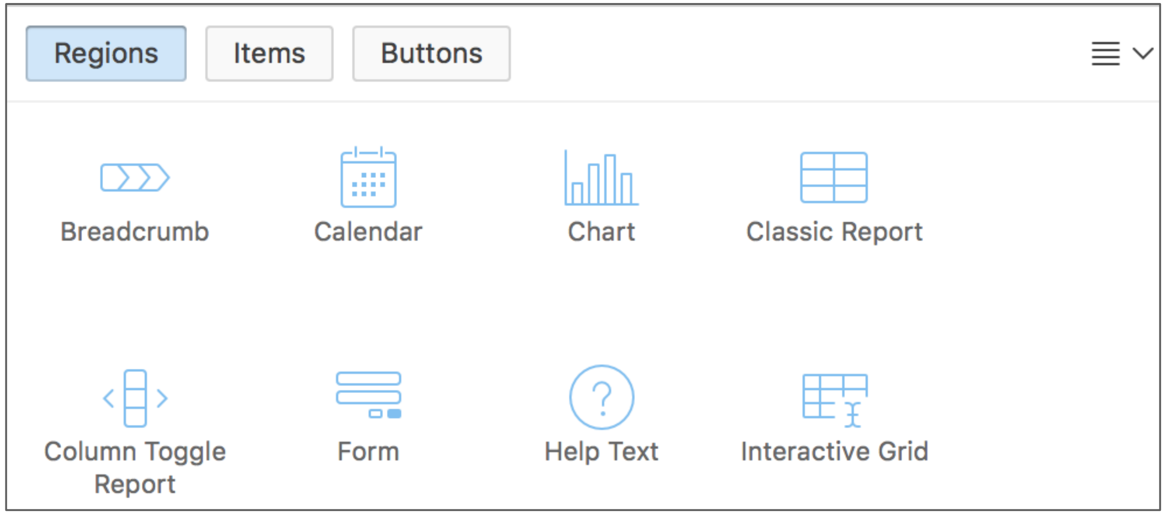
- Forms are application components that are used to manipulate database objects
- You can create forms either manually or by using wizards
- You can create a form as a:
  - New page in an application
  - Region on an existing page in an application

Developing Forms in Oracle APEX

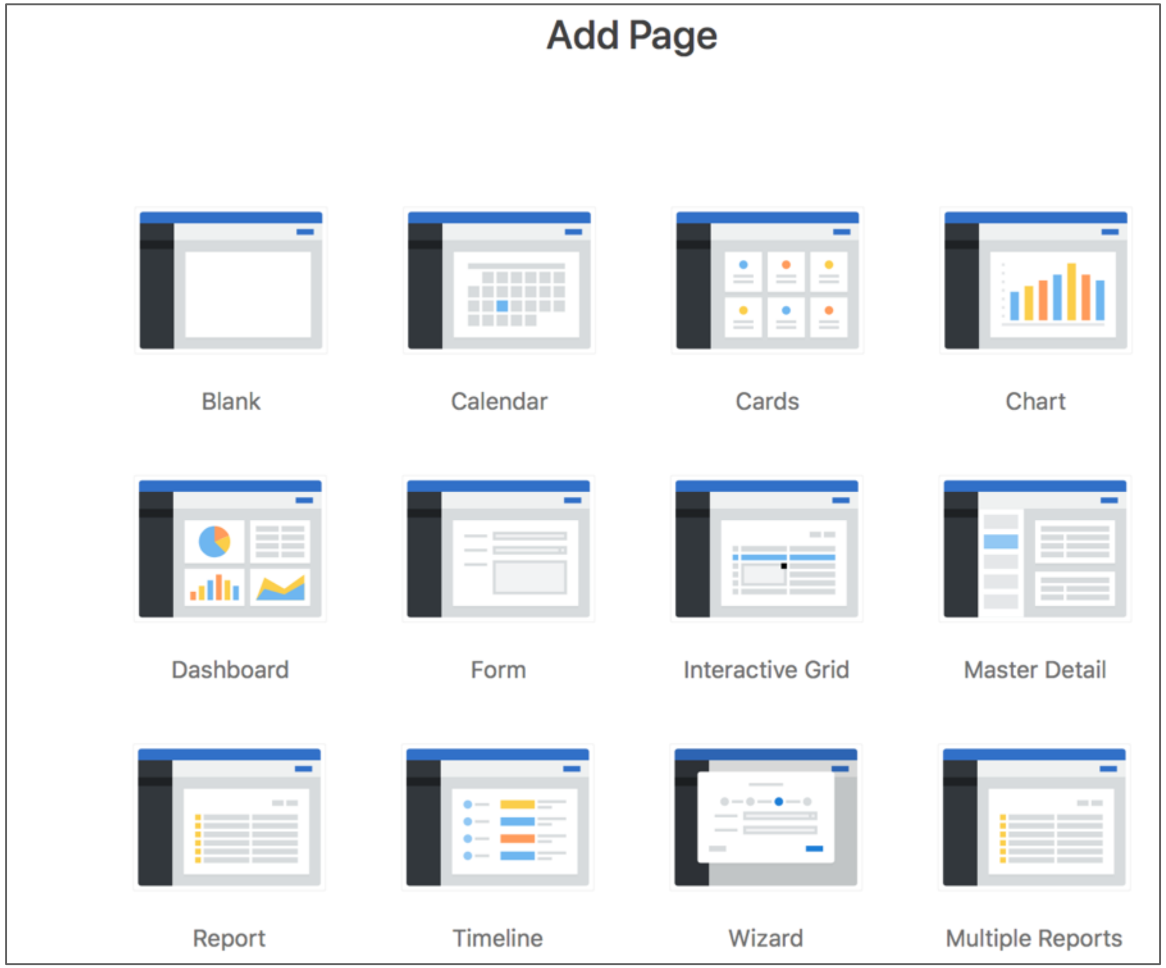
Using the Create Page Wizard



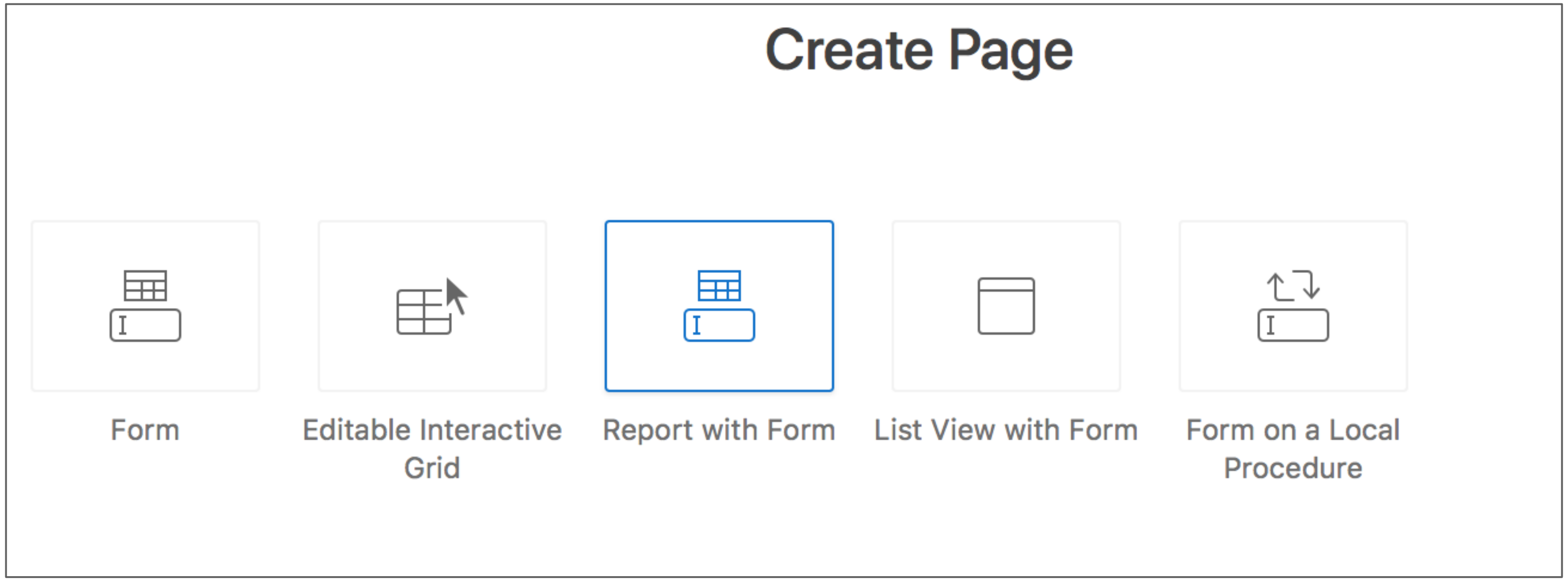
Creating a Form region in Page Designer

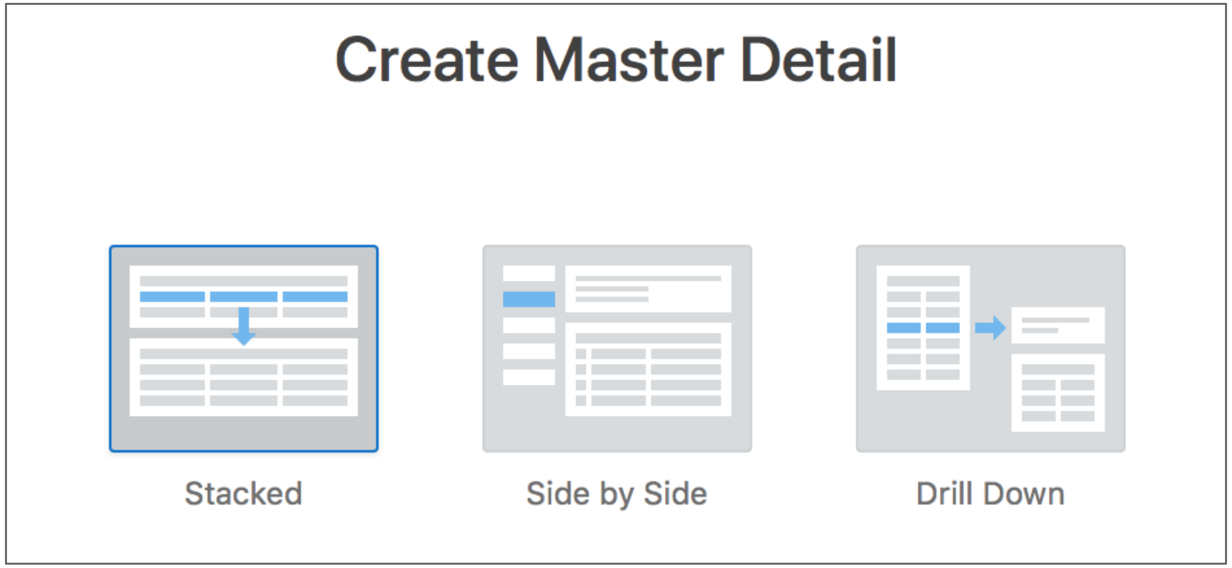


Using the Create Application Wizard

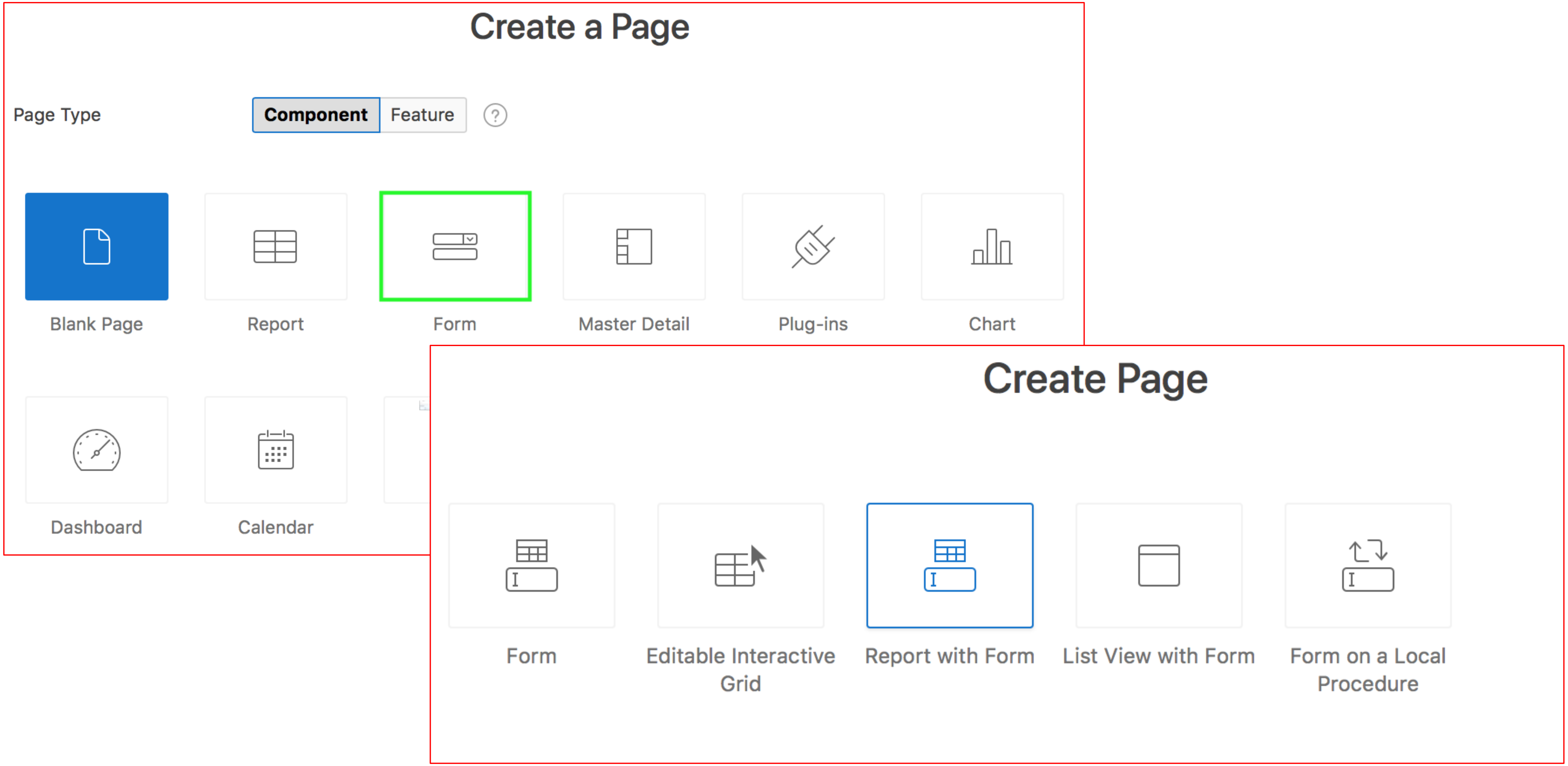


Understanding Form Types

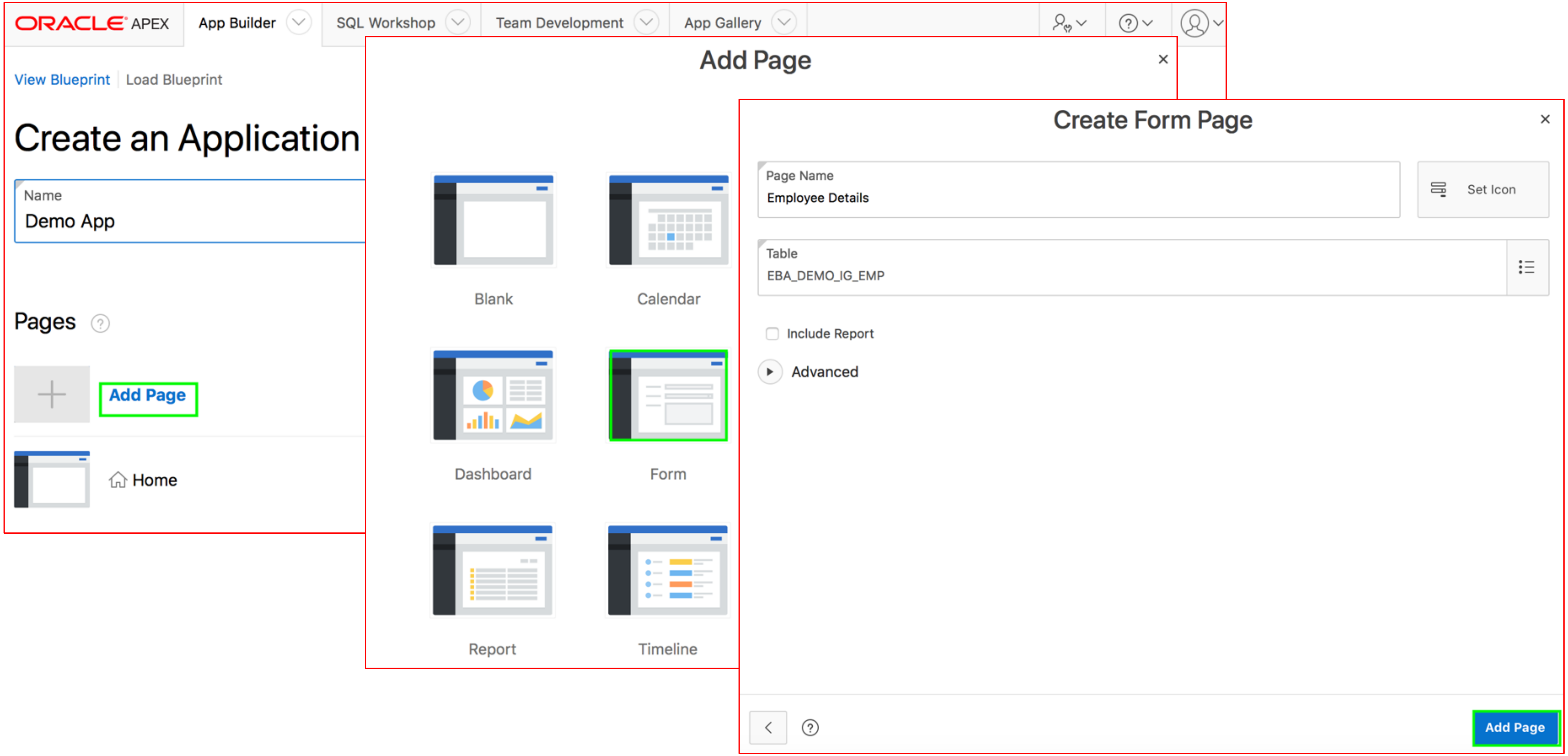




Creating a Form using the Create Page Wizard

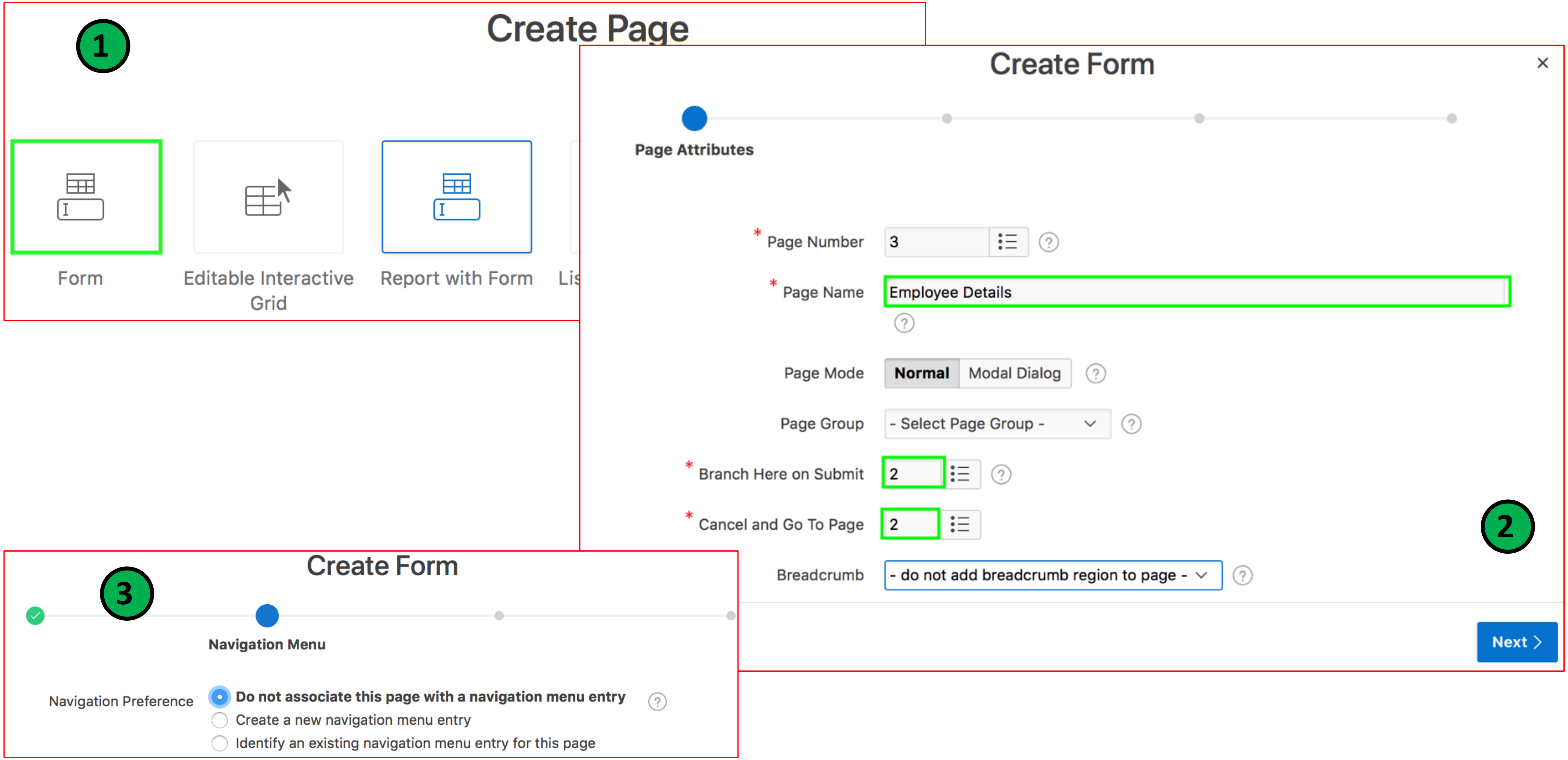


Creating a Form Using the Create Application Wizard

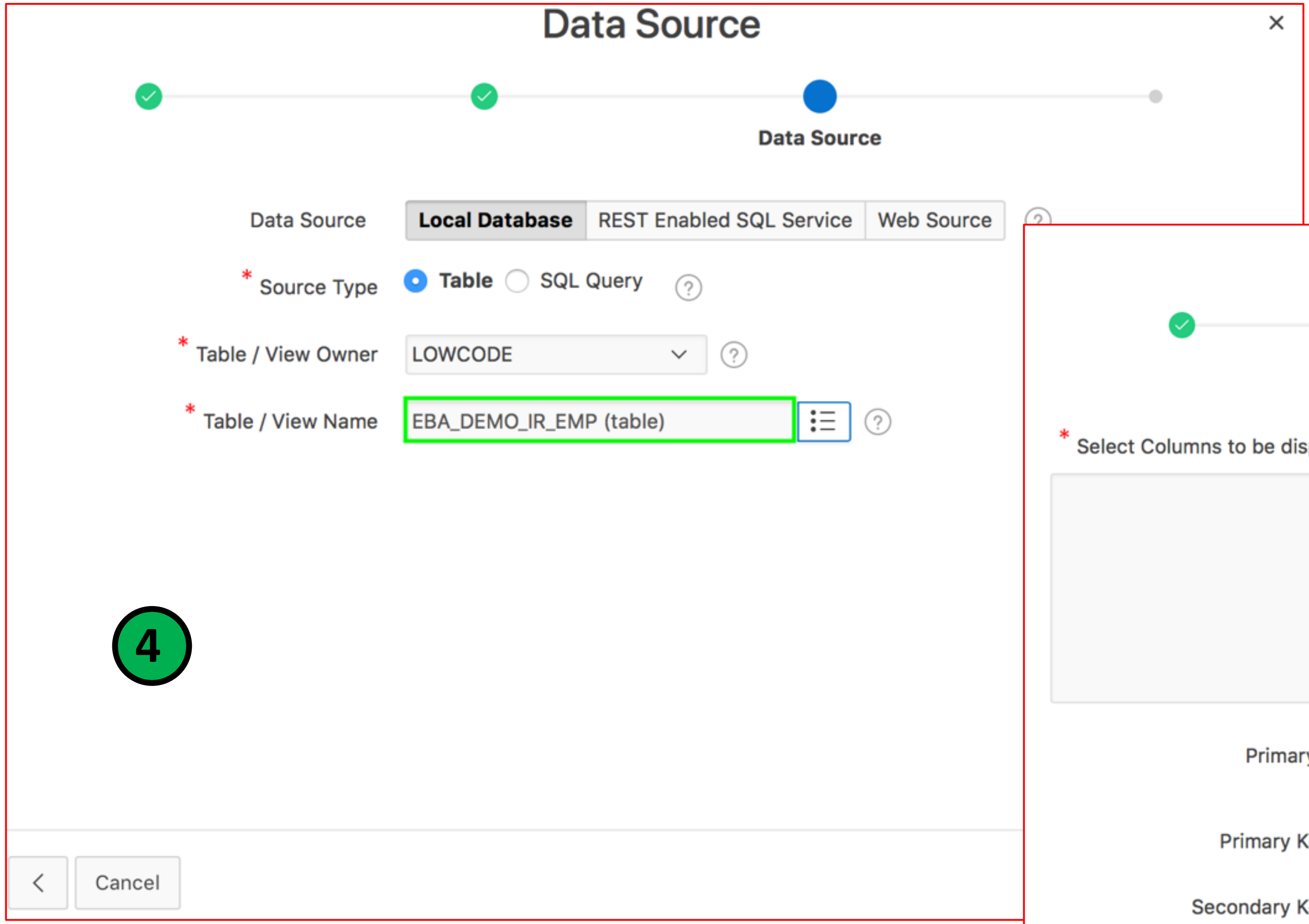


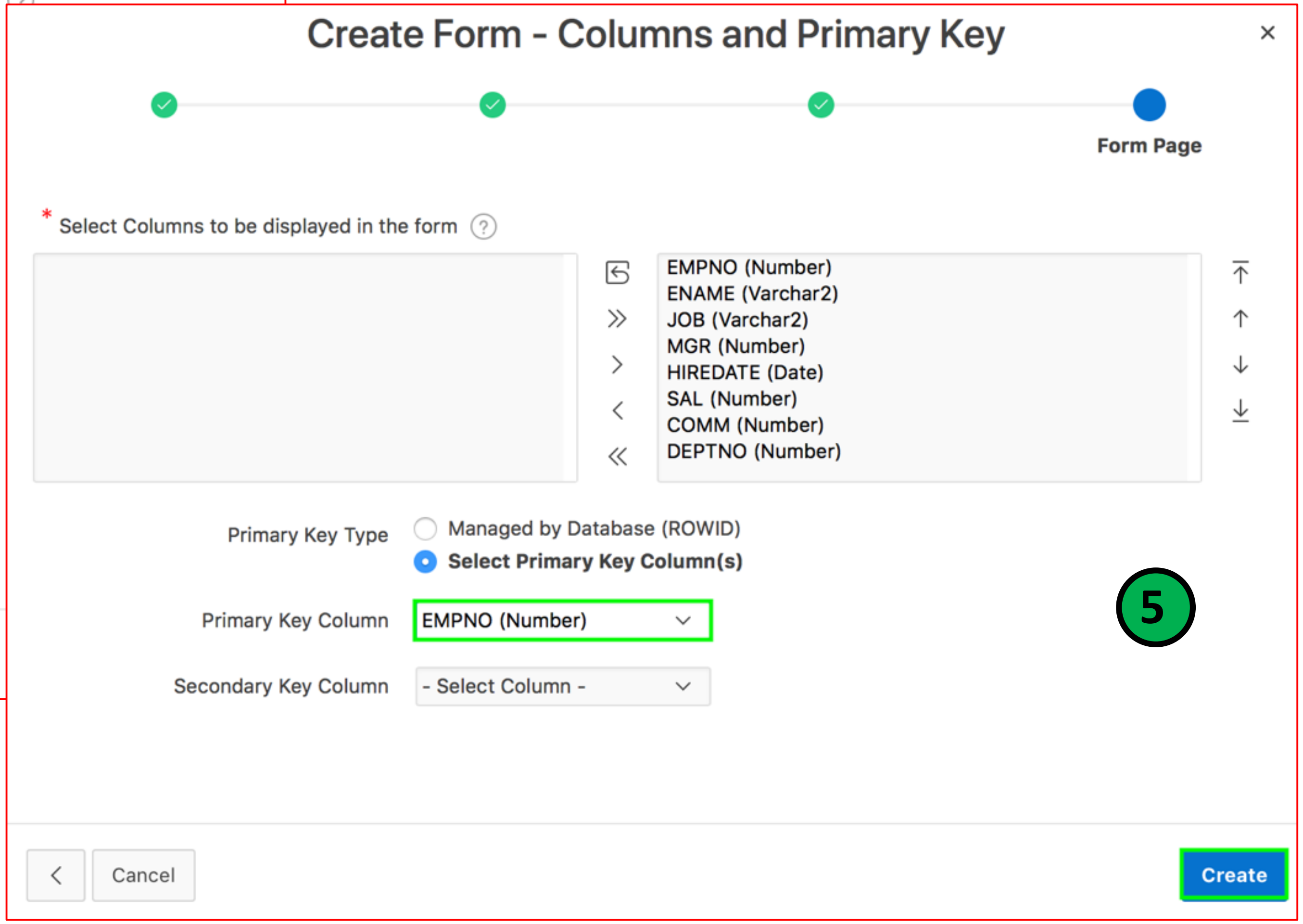
Creating a Form: Example

Creating a Form: Example

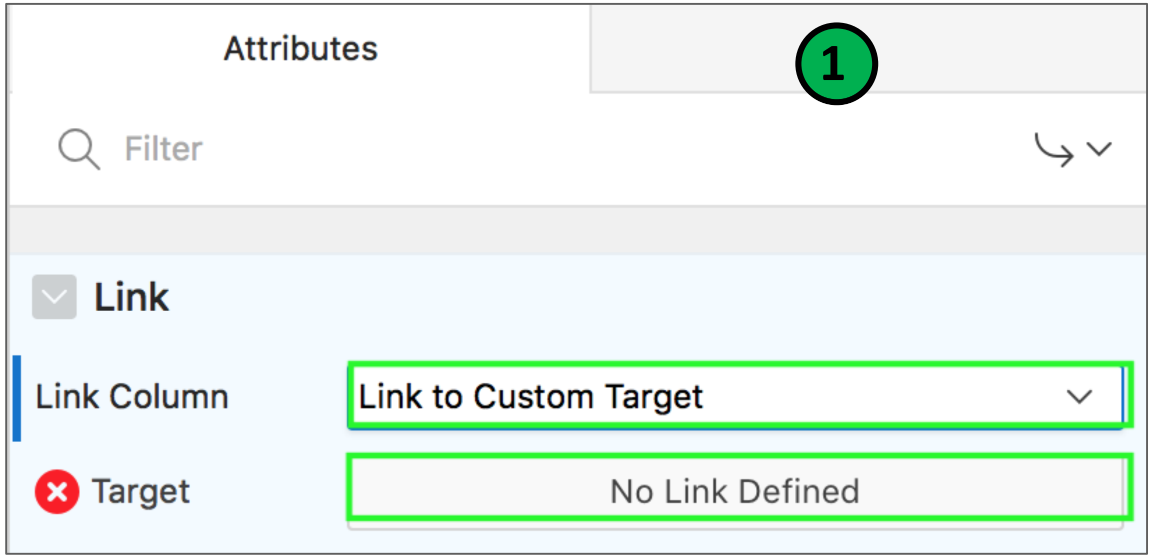


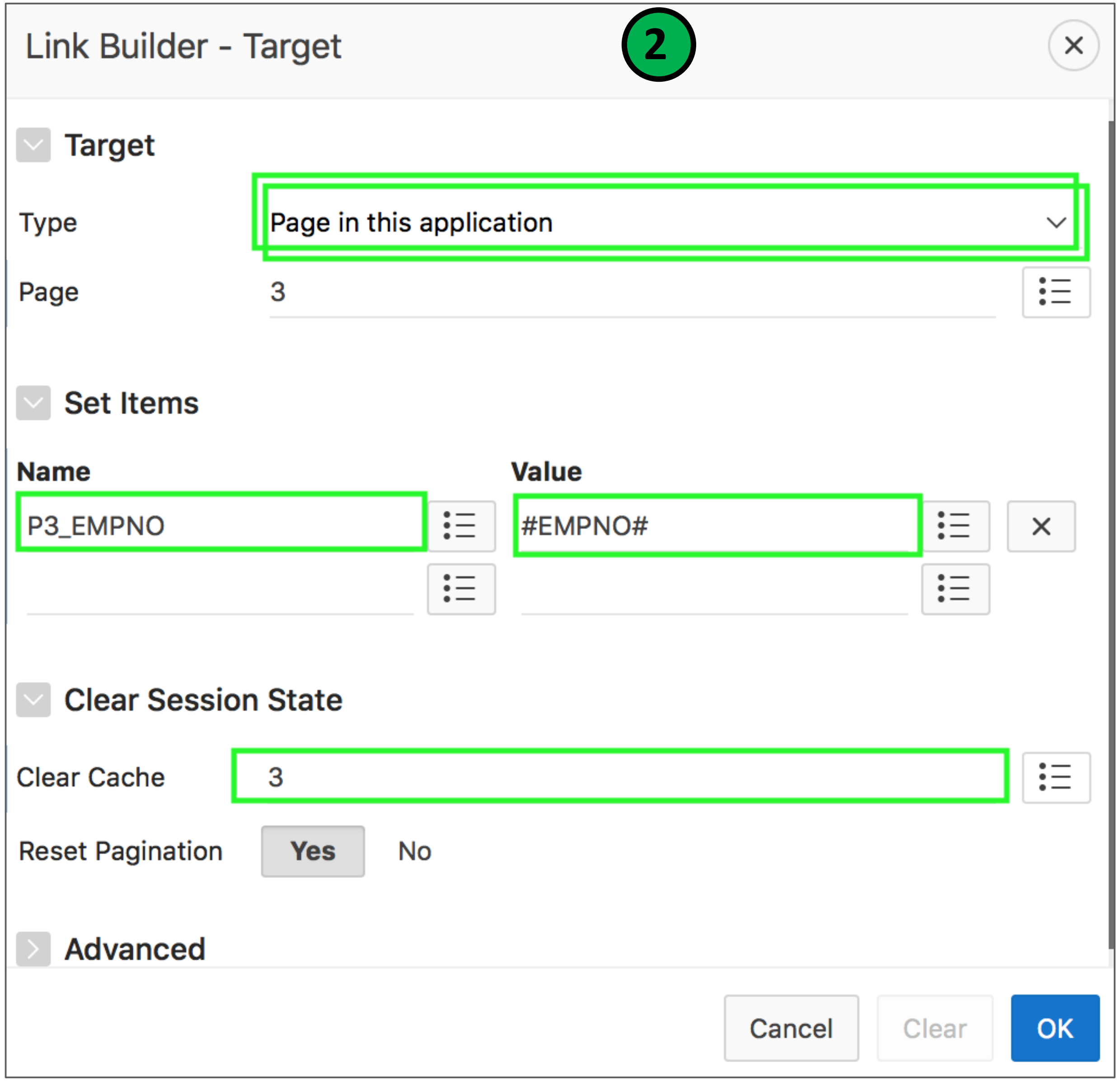
Creating a Form: Example



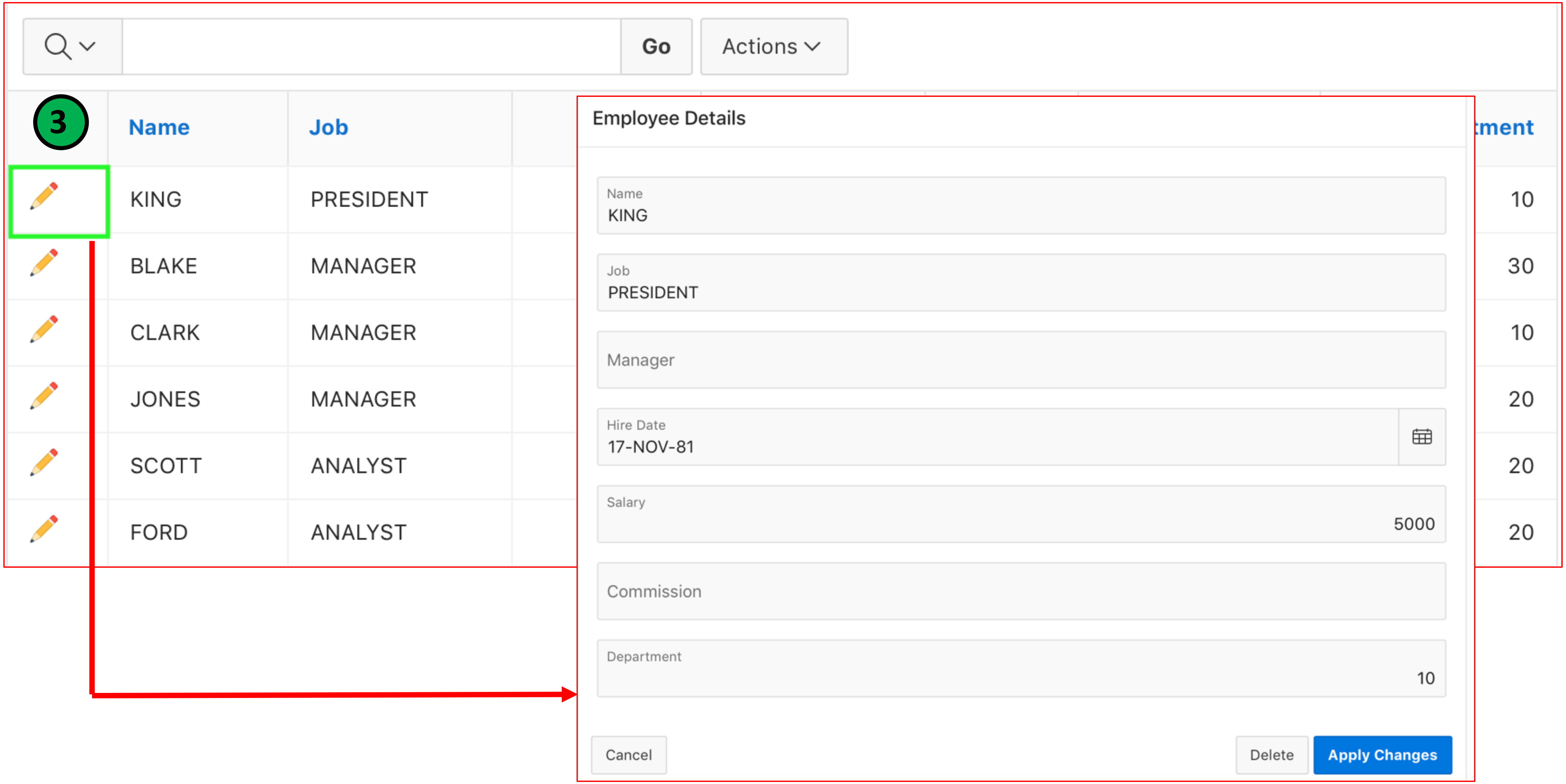


Linking a Report to a Form

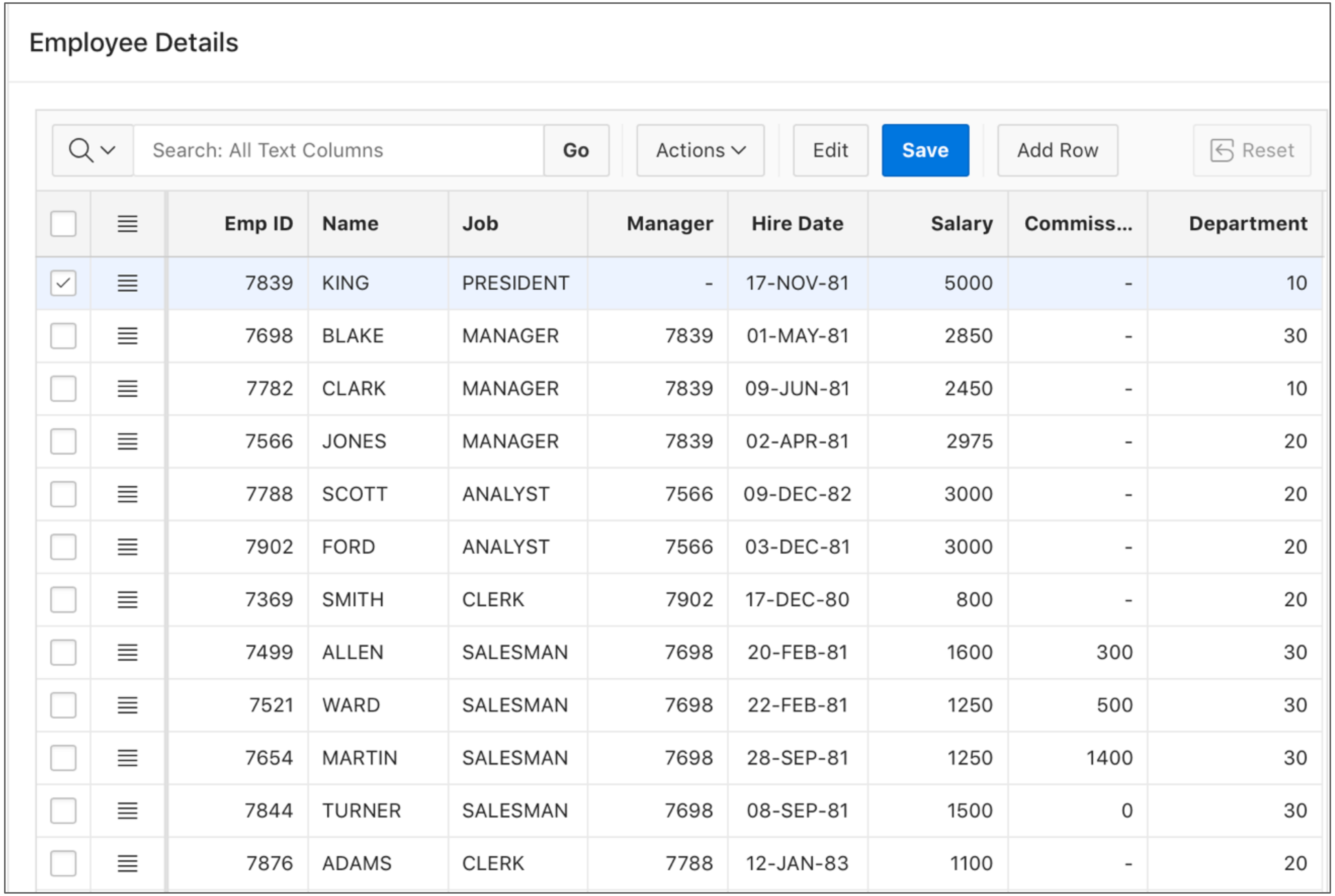




Linking a Report to a Form

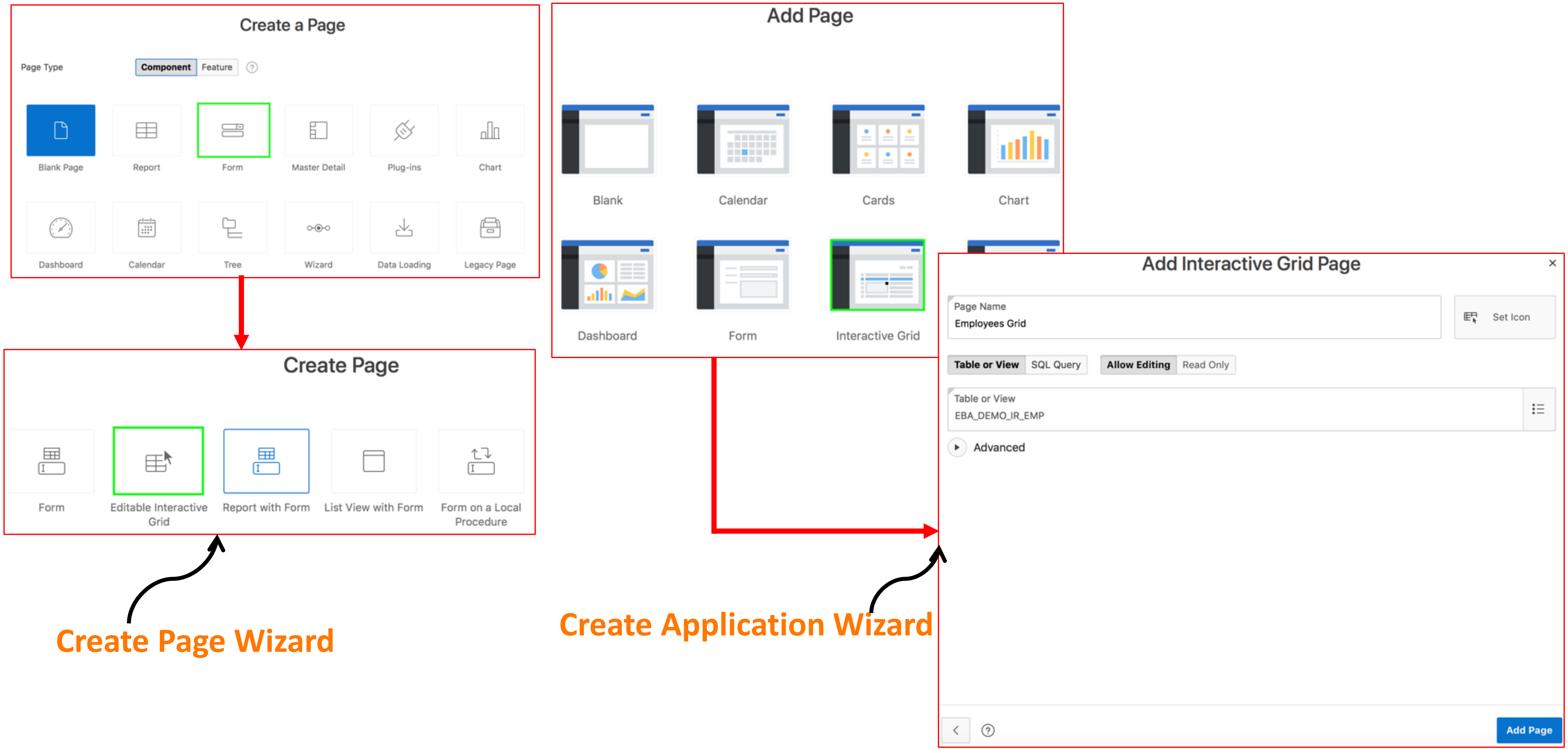


Creating an Editable Interactive Grid

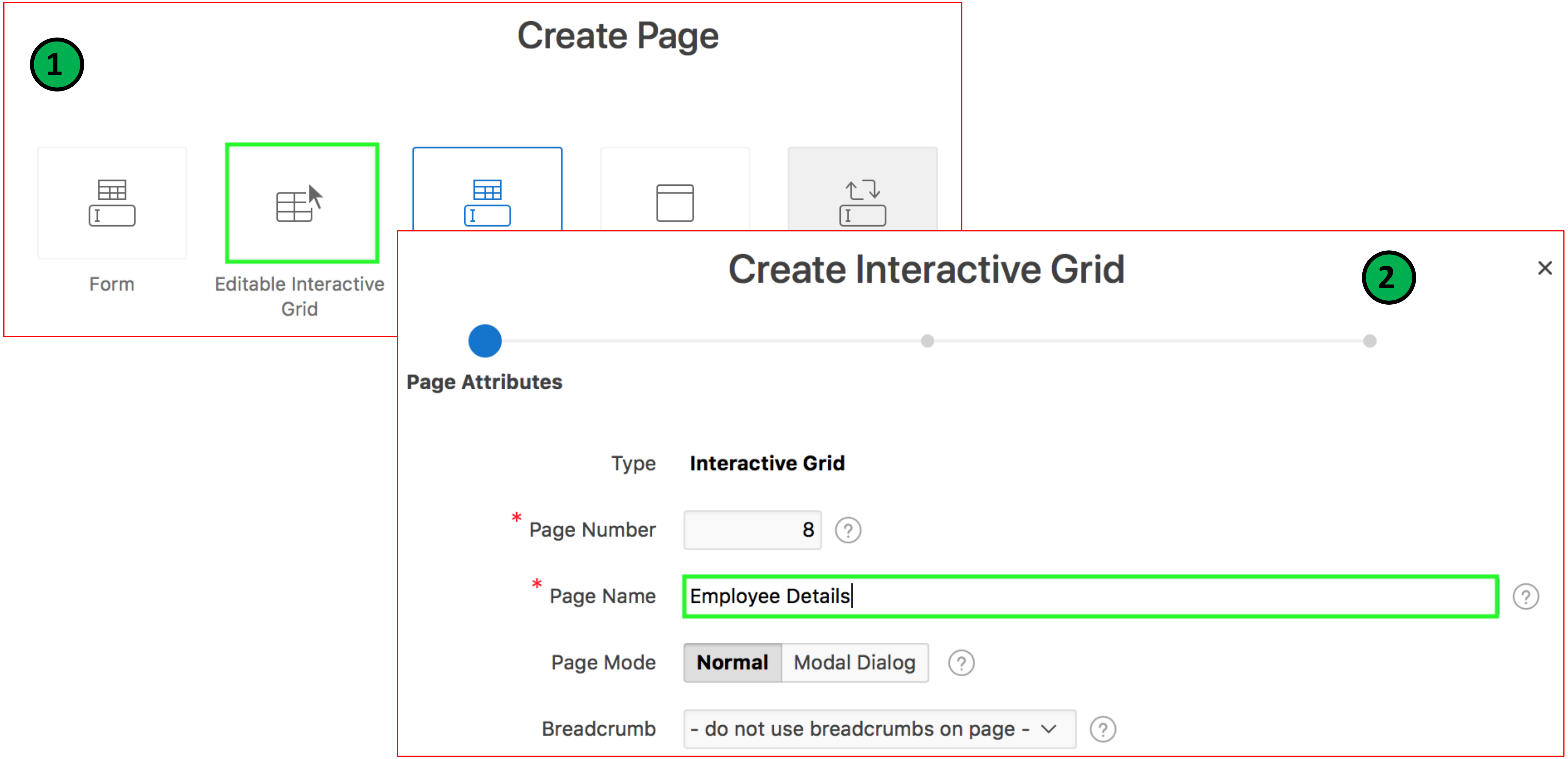


Emp ID	Name	Job	Manager	Hire Date	Salary	Commiss...	Department
7839	KING	PRESIDENT	-	17-NOV-81	5000	-	10
7698	BLAKE	MANAGER	7839	01-MAY-81	2850	-	30
7782	CLARK	MANAGER	7839	09-JUN-81	2450	-	10
7566	JONES	MANAGER	7839	02-APR-81	2975	-	20
7788	SCOTT	ANALYST	7566	09-DEC-82	3000	-	20
7902	FORD	ANALYST	7566	03-DEC-81	3000	-	20
7369	SMITH	CLERK	7902	17-DEC-80	800	-	20
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	1400	30
7844	TURNER	SALESMAN	7698	08-SEP-81	1500	0	30
7876	ADAMS	CLERK	7788	12-JAN-83	1100	-	20

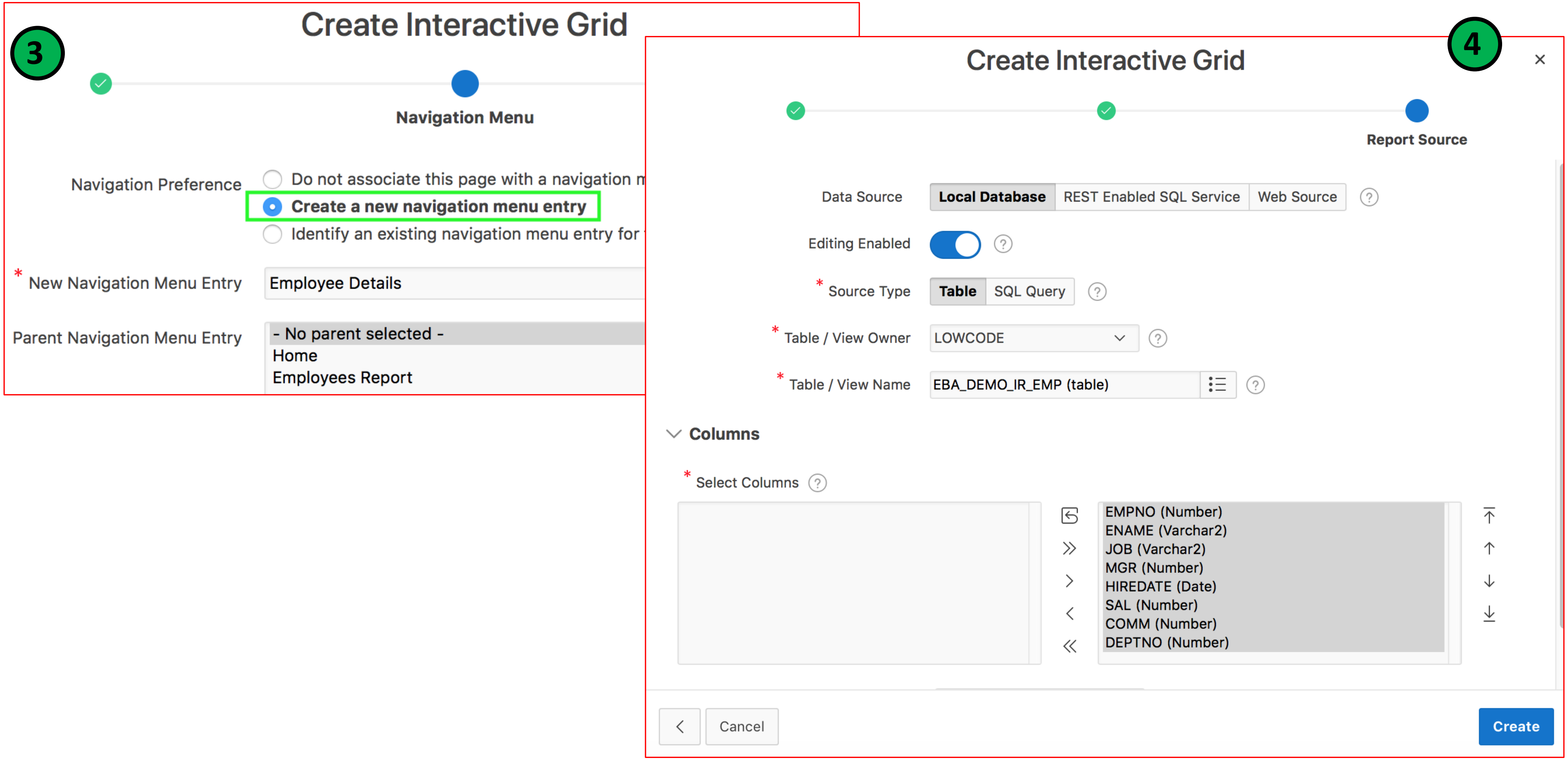
Creating an Editable Interactive Grid: Different Wizards



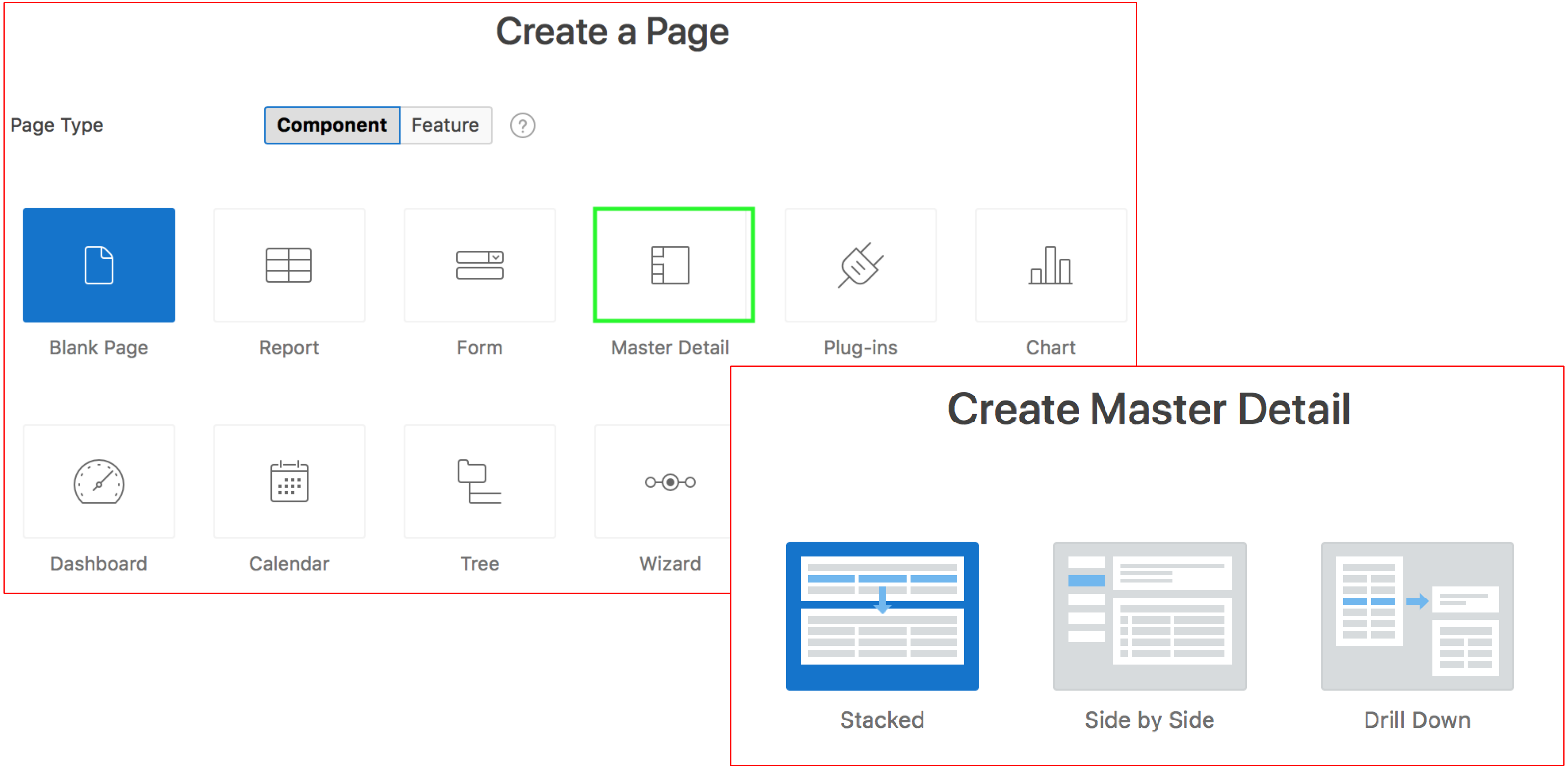
Creating an Editable Interactive Grid: Steps



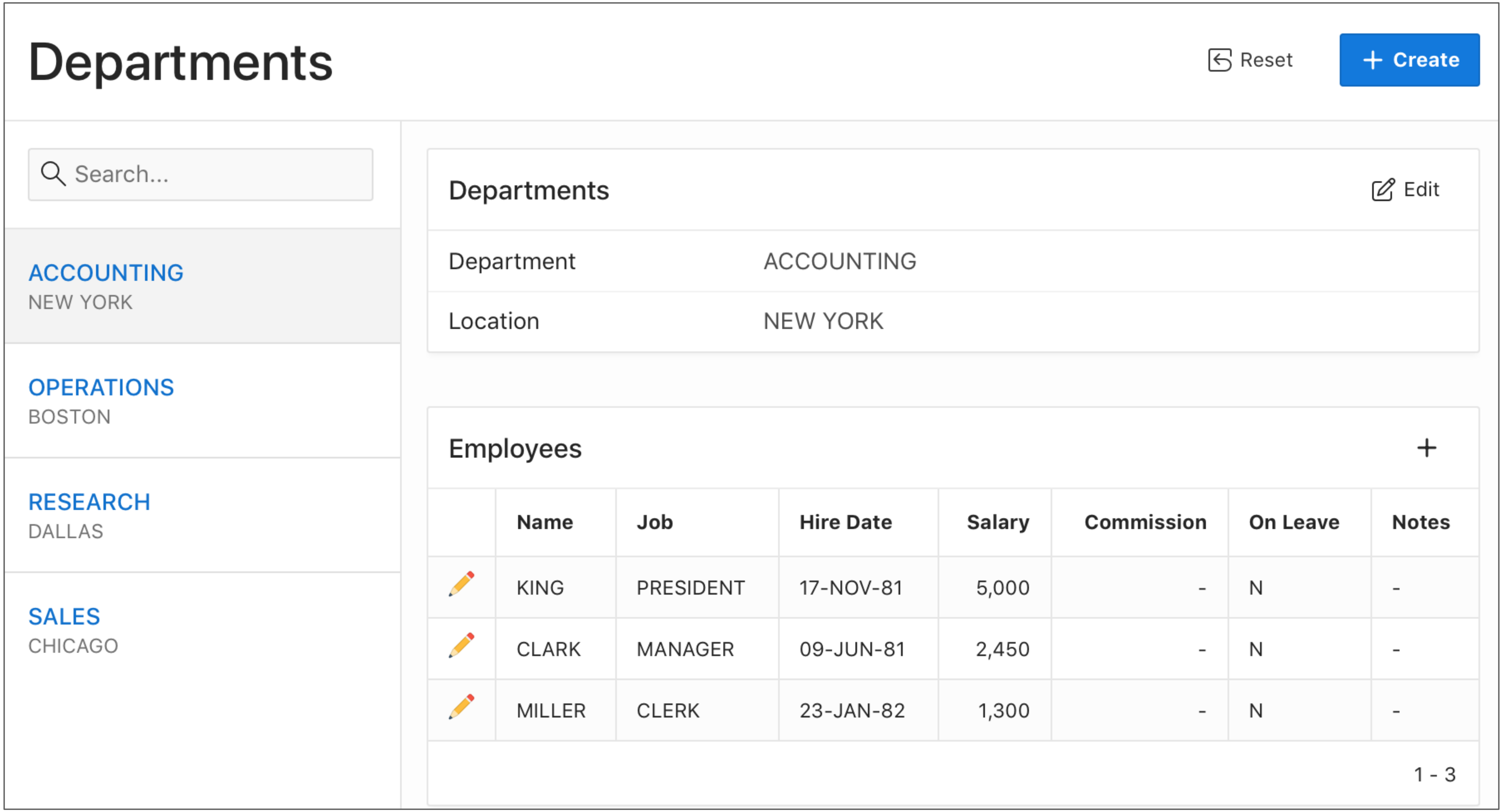
Creating an Editable Interactive Grid: Steps



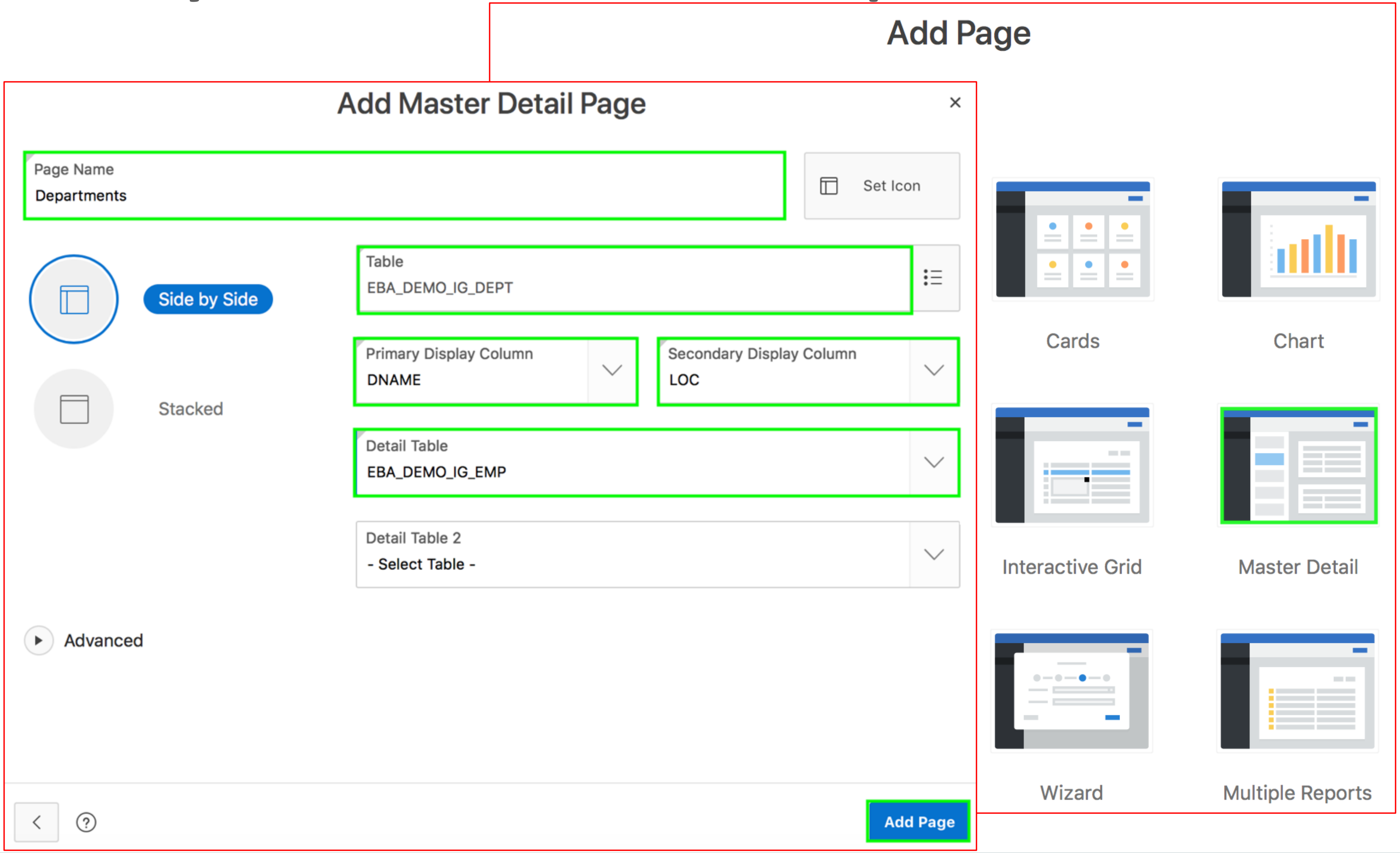
Understanding Master Detail Forms



Creating a Side by Side Master Detail Form



Creating a Side by Side Master Detail: Steps



Creating a Stacked Master Detail Form

Departments

Save

Search: All Text Columns Go Actions Edit Add Row Reset

Department	Location	Notes
ACCOUNTING	NEW YORK	-
RESEARCH	DALLAS	-
SALES	CHICAGO	-
OPERATIONS	BOSTON	-

1 rows selected Total 4

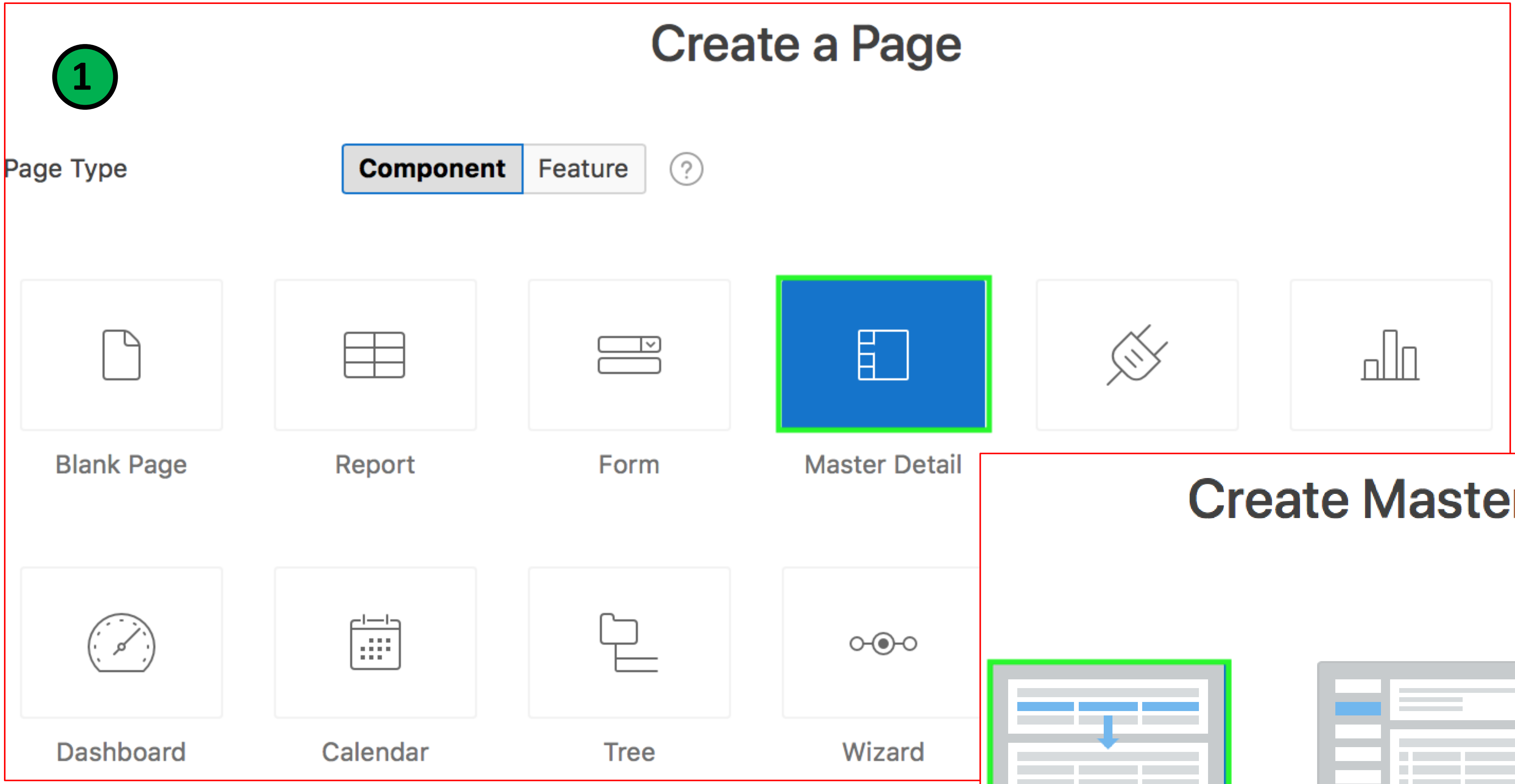
Employees

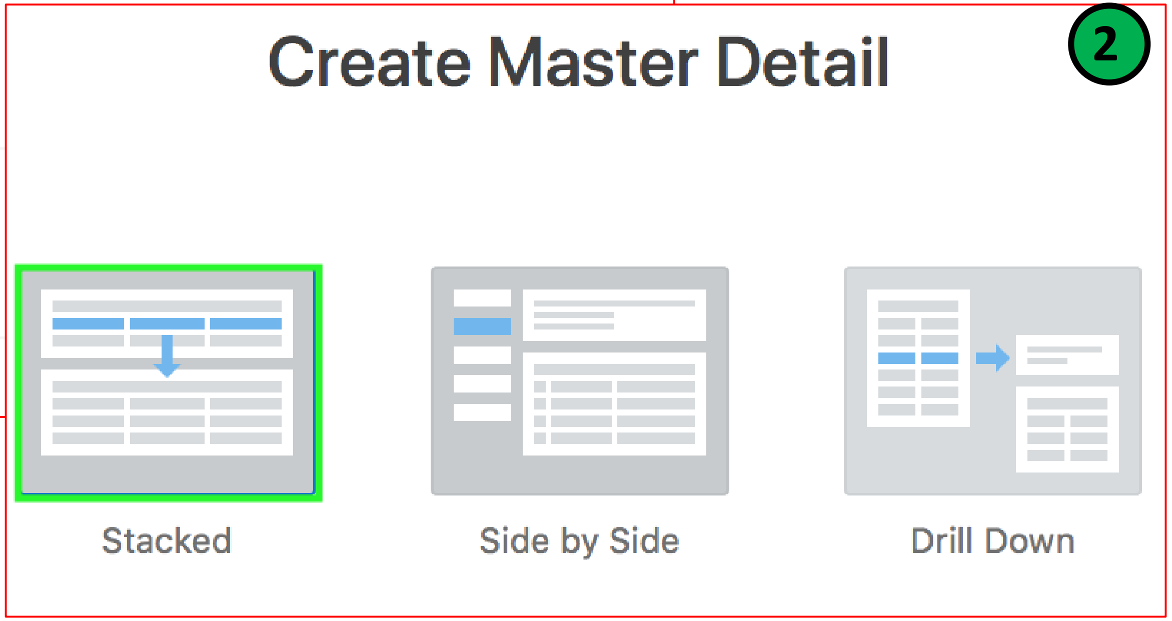
Search: All Text Columns Go Actions Edit Add Row Reset

Name	Job	Manager	Hire Date	Salary	Commission	On Leave	Notes
KING	PRESIDENT	-	17-NOV-81	5000	-	N	-
CLARK	MANAGER	7839	09-JUN-81	2450	-	N	-
MILLER	CLERK	7782	23-JAN-82	1300	-	N	-

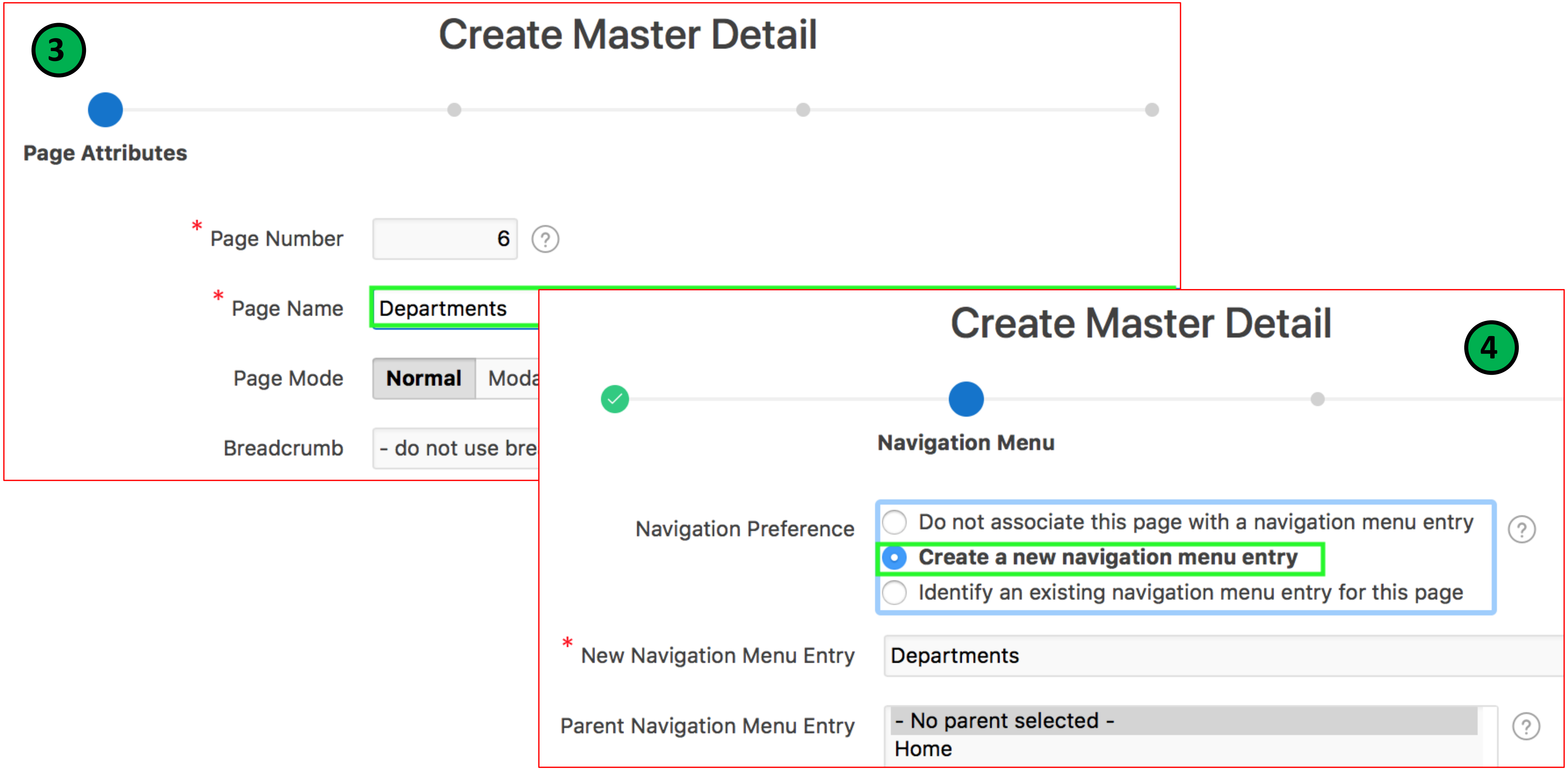
1 rows selected Total 3

Creating a Stacked Master Detail: Steps

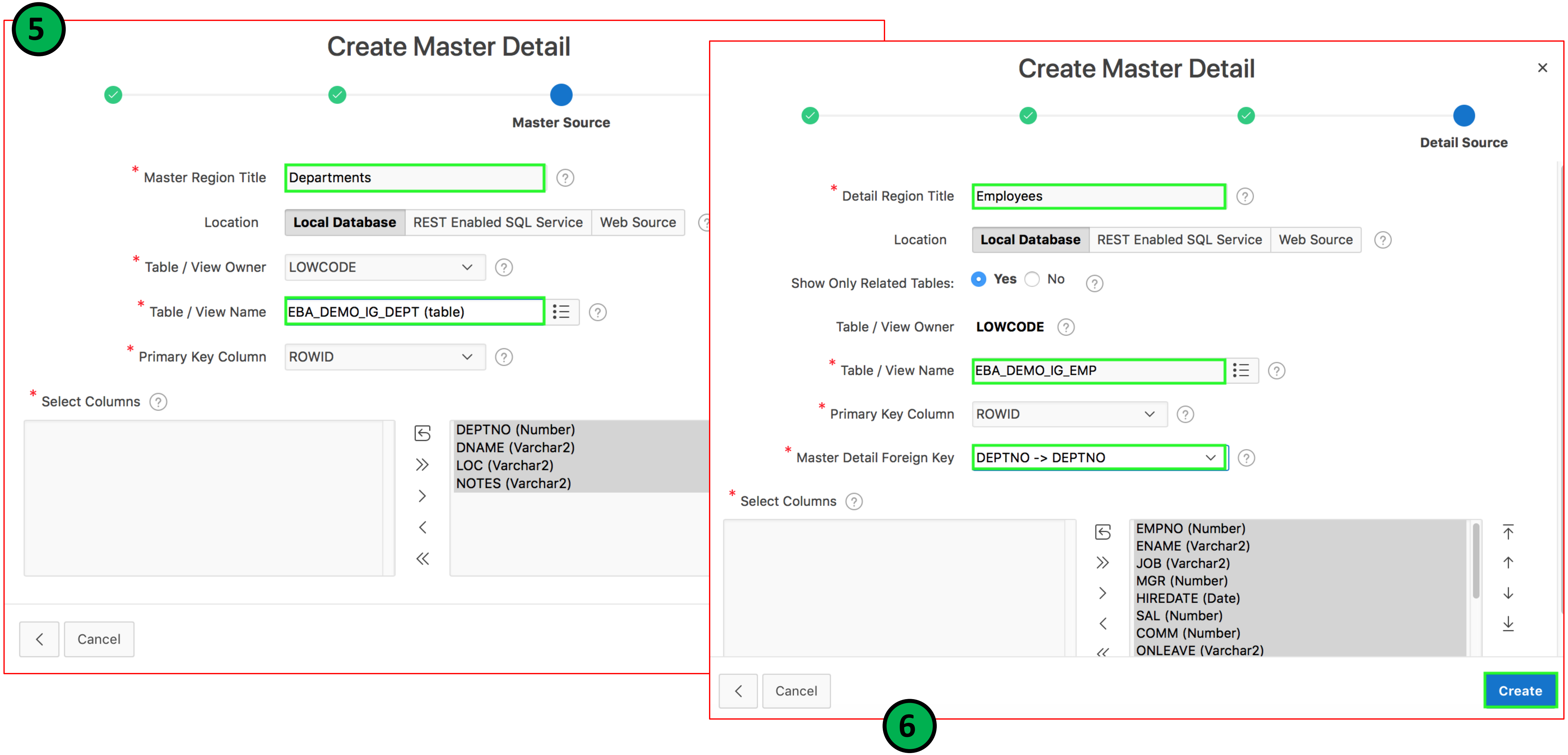




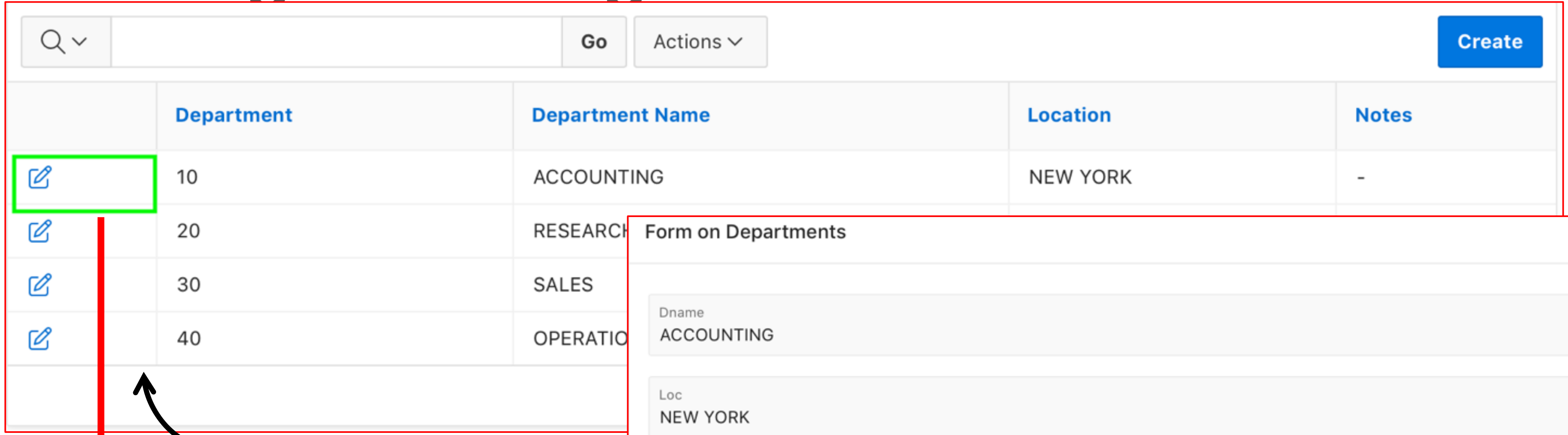
Creating a Stacked Master Detail: Steps



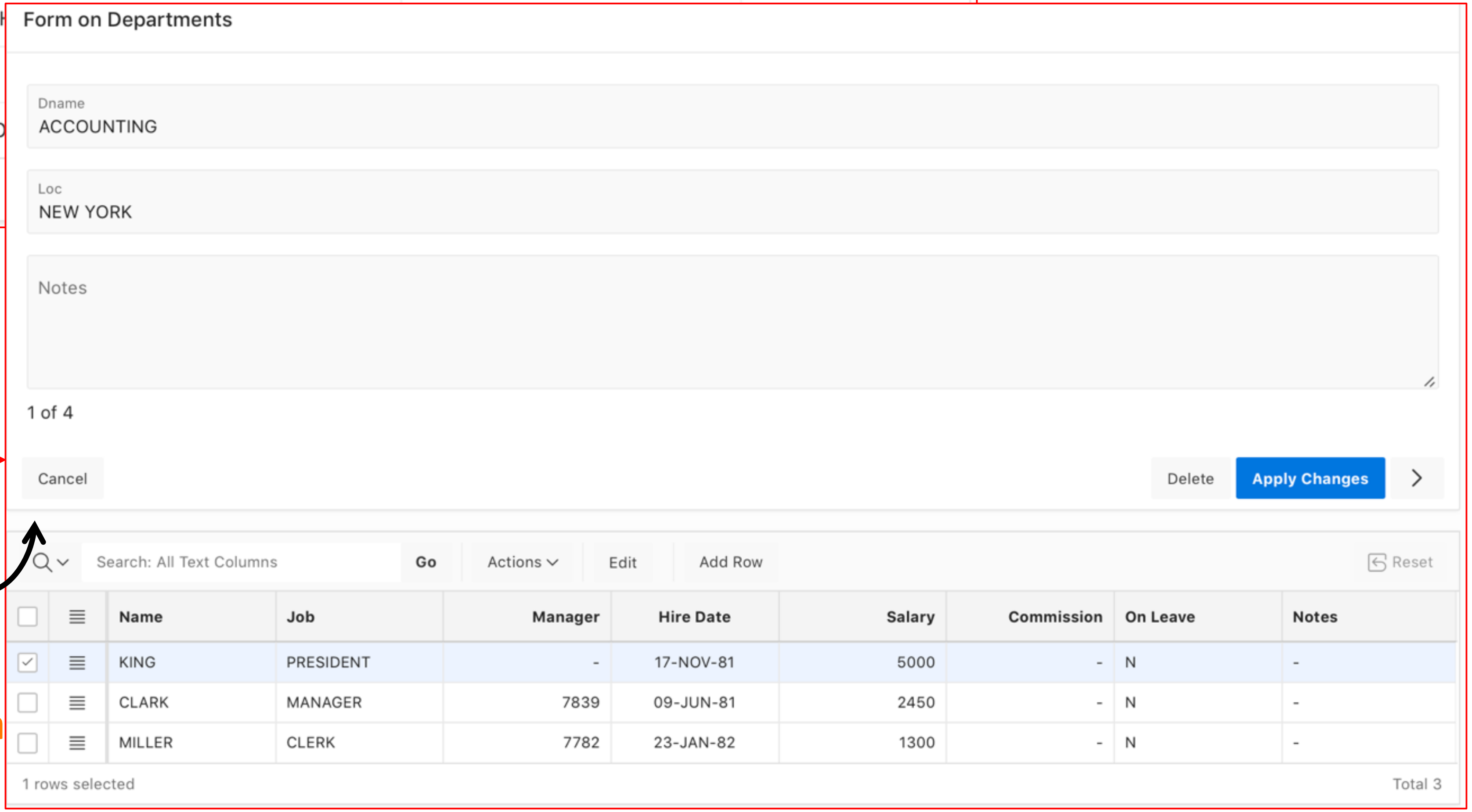
Creating a Stacked Master Detail: Steps



Creating a Two Page Drill Down Master Detail

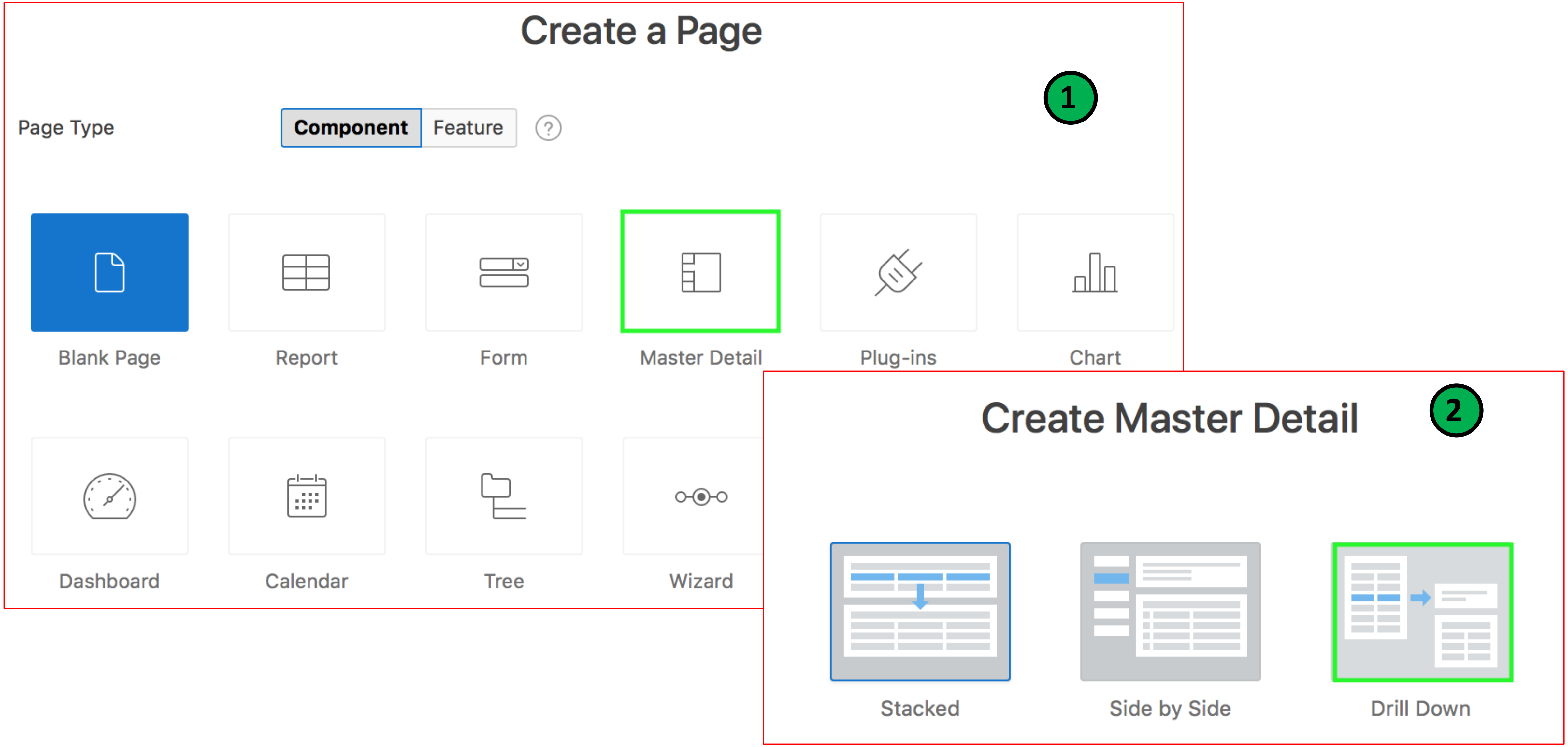


Interactive Report for the master table

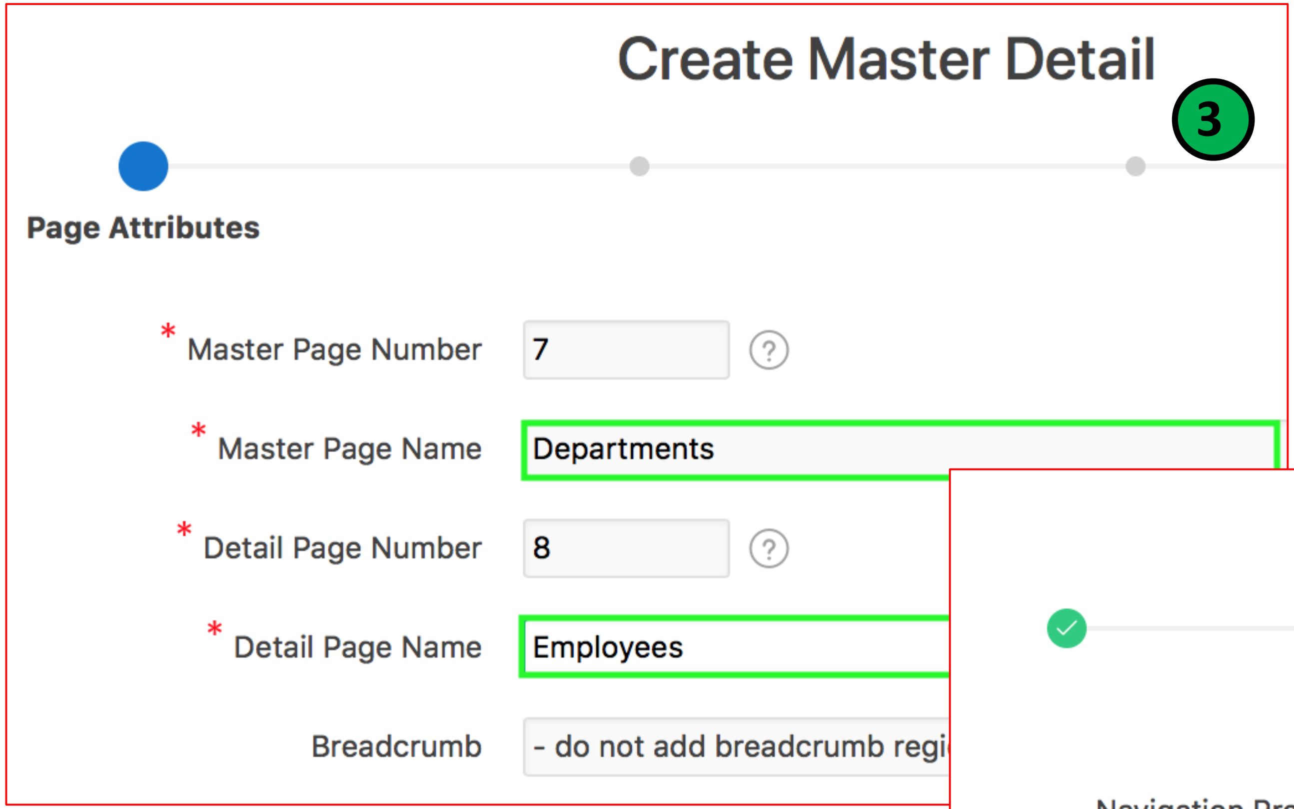


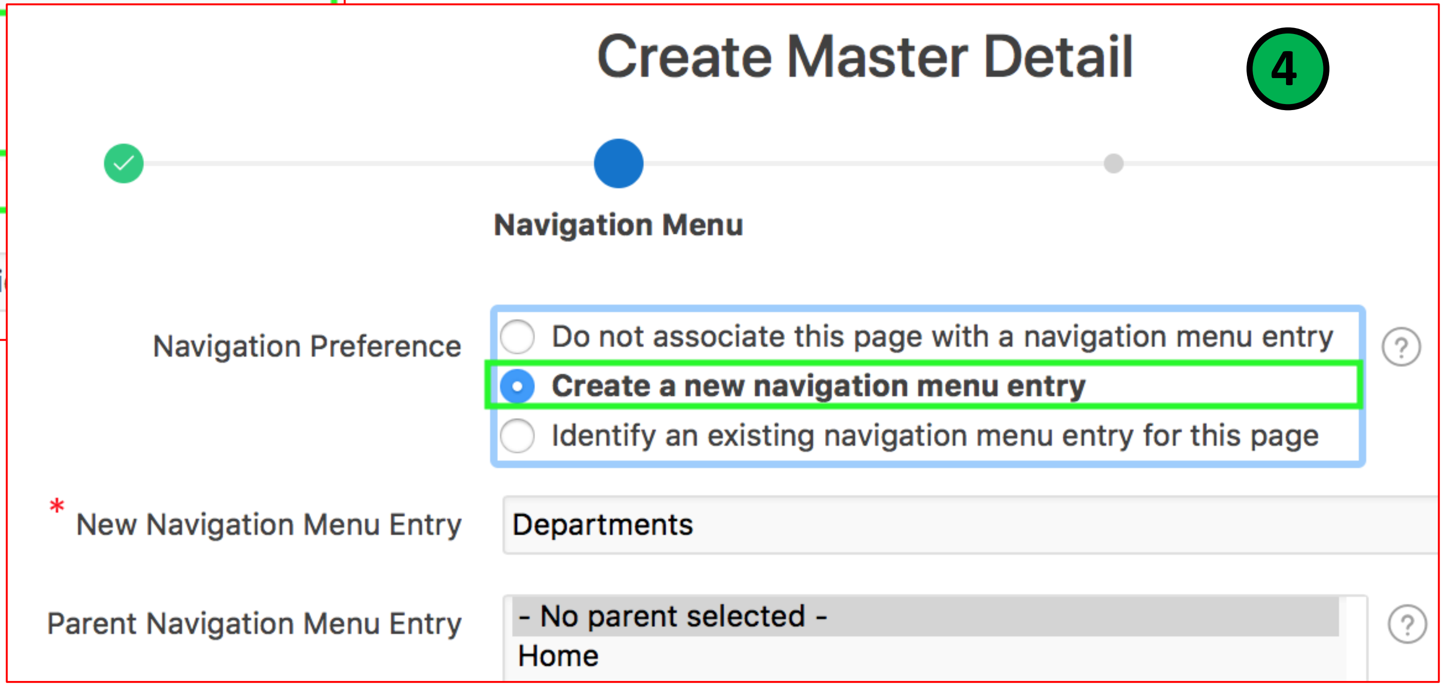
Standard form for the master and interactive grid for the deta

Creating a Two Page Drill Down Master Detail: Steps

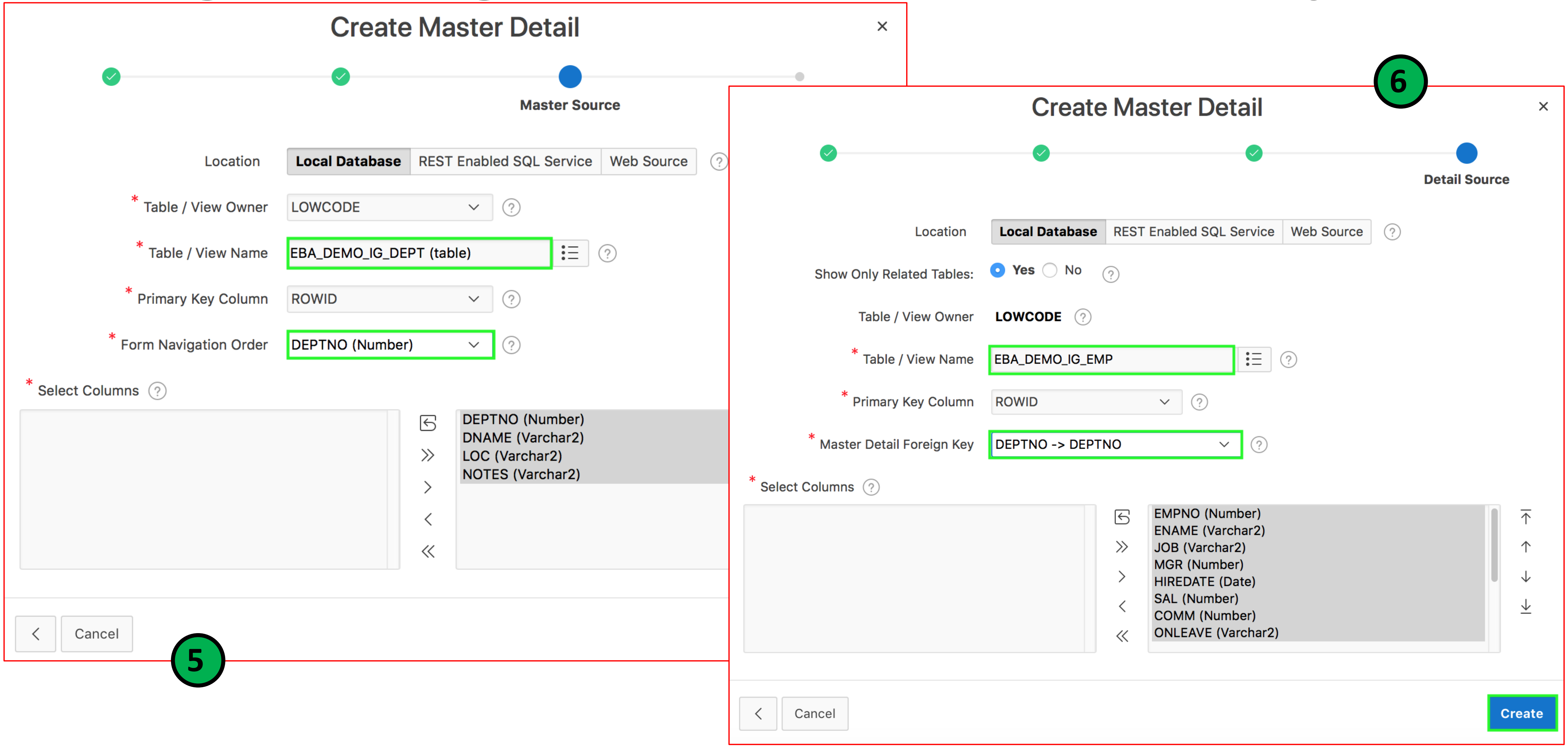


Creating a Two Page Drill Down Master Detail: Steps

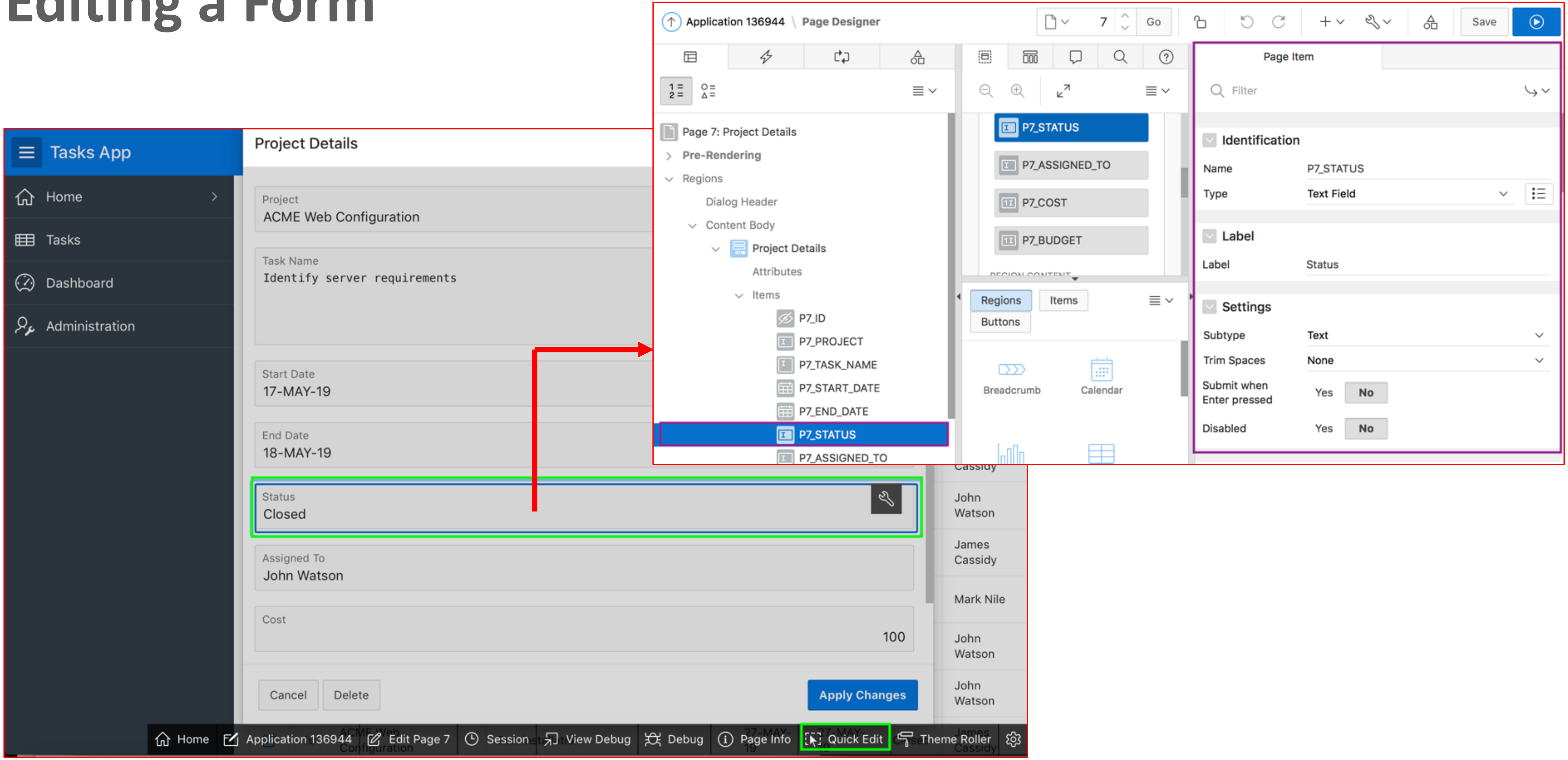




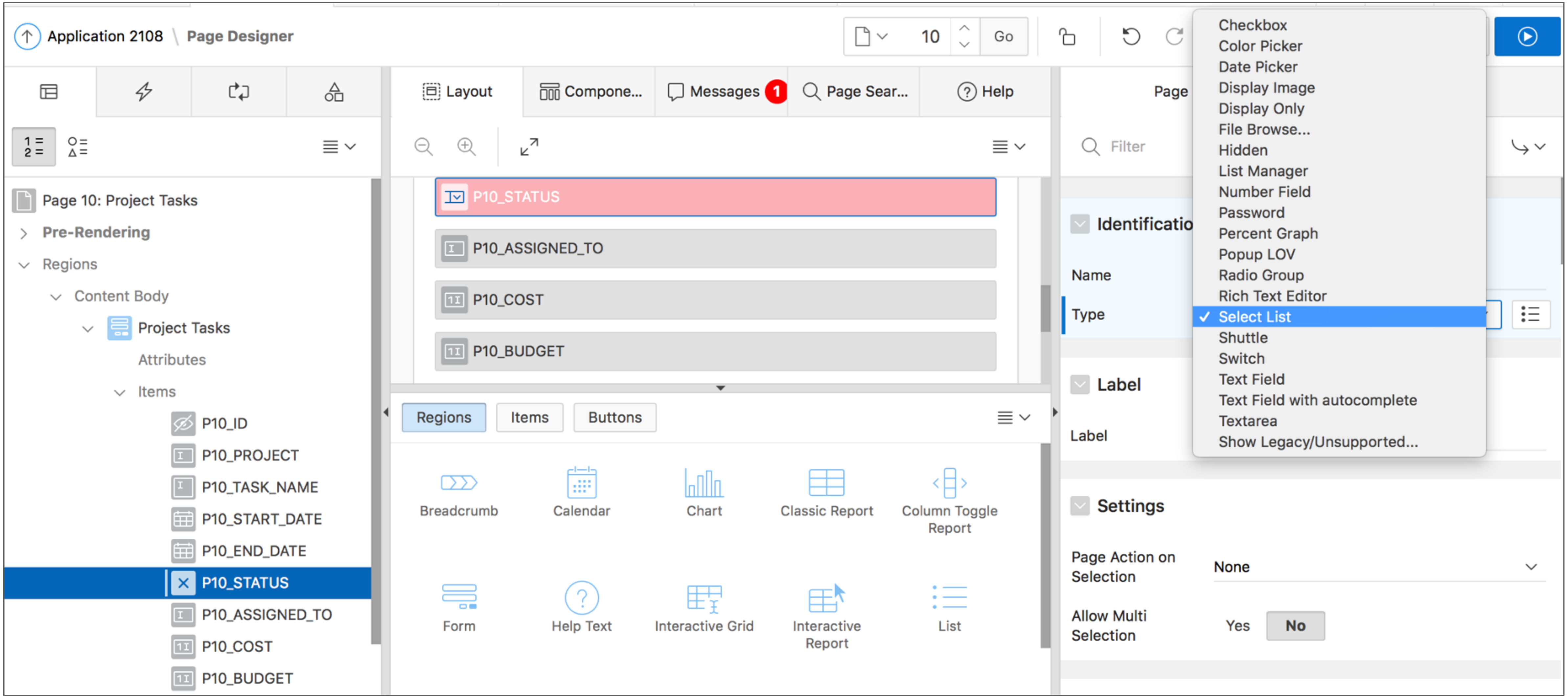
Creating a Two Page Drill Down Master Detail: Steps



Editing a Form



Modifying the Display Type of a Page Item

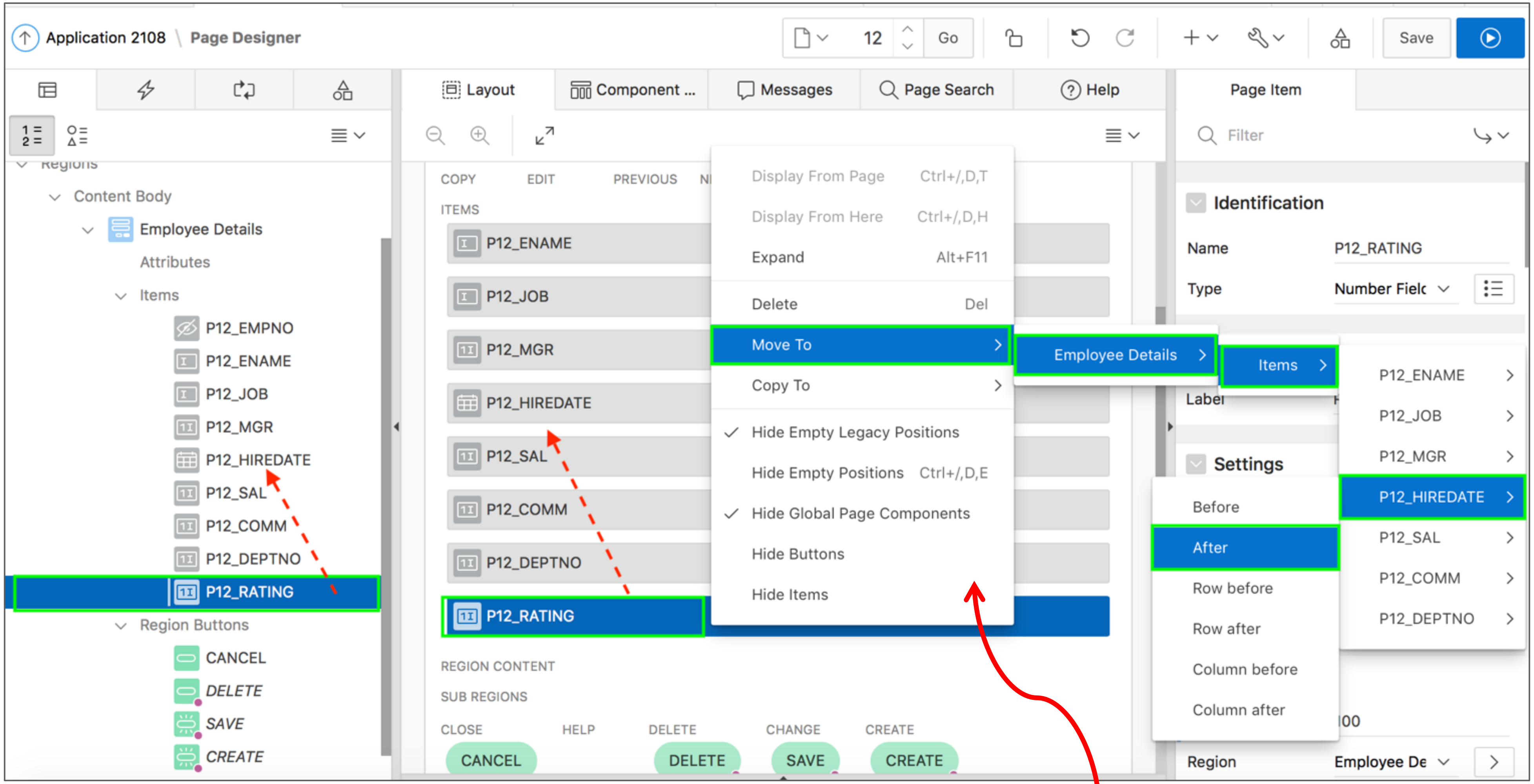


Altering the Display Order of Page Items

Before reordering

After reordering

Altering the Display Order of Page Items



Drag and drop in Rendering

Drag and drop
or Use Context Menu in Layout

Summary

In this lesson, you learned how to:

- Use the different wizards in Oracle APEX to create forms
- Create an editable interactive grid
- Create a simple form and link a report to this form
- Create different types of master detail forms
- Modify a form

Hands-on Lab

Oracle APEX

Unit 9: Creating Application Page Controls

Lesson Objectives

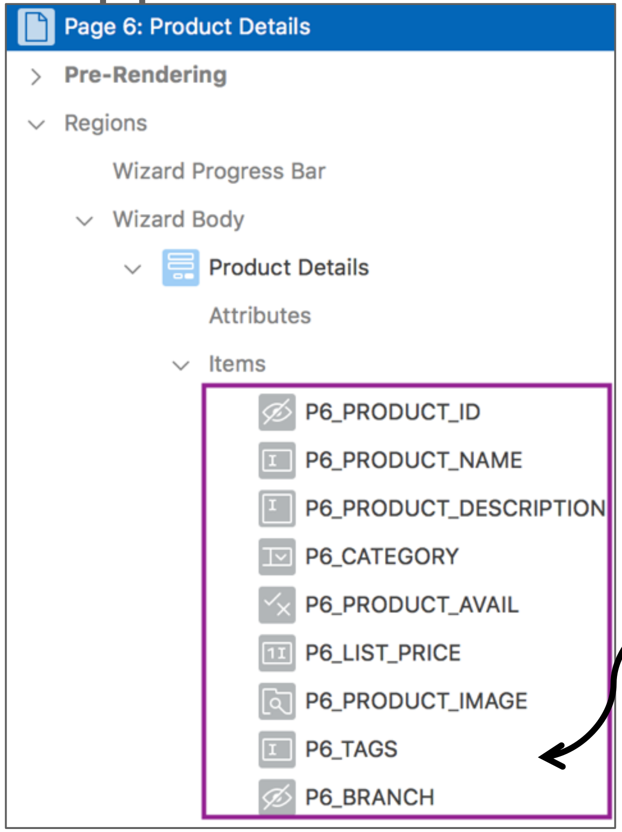
After completing this lesson, you should be able to:

- List different types of page-level items
- Create and use page-level items
- Create and use buttons

Understanding Items

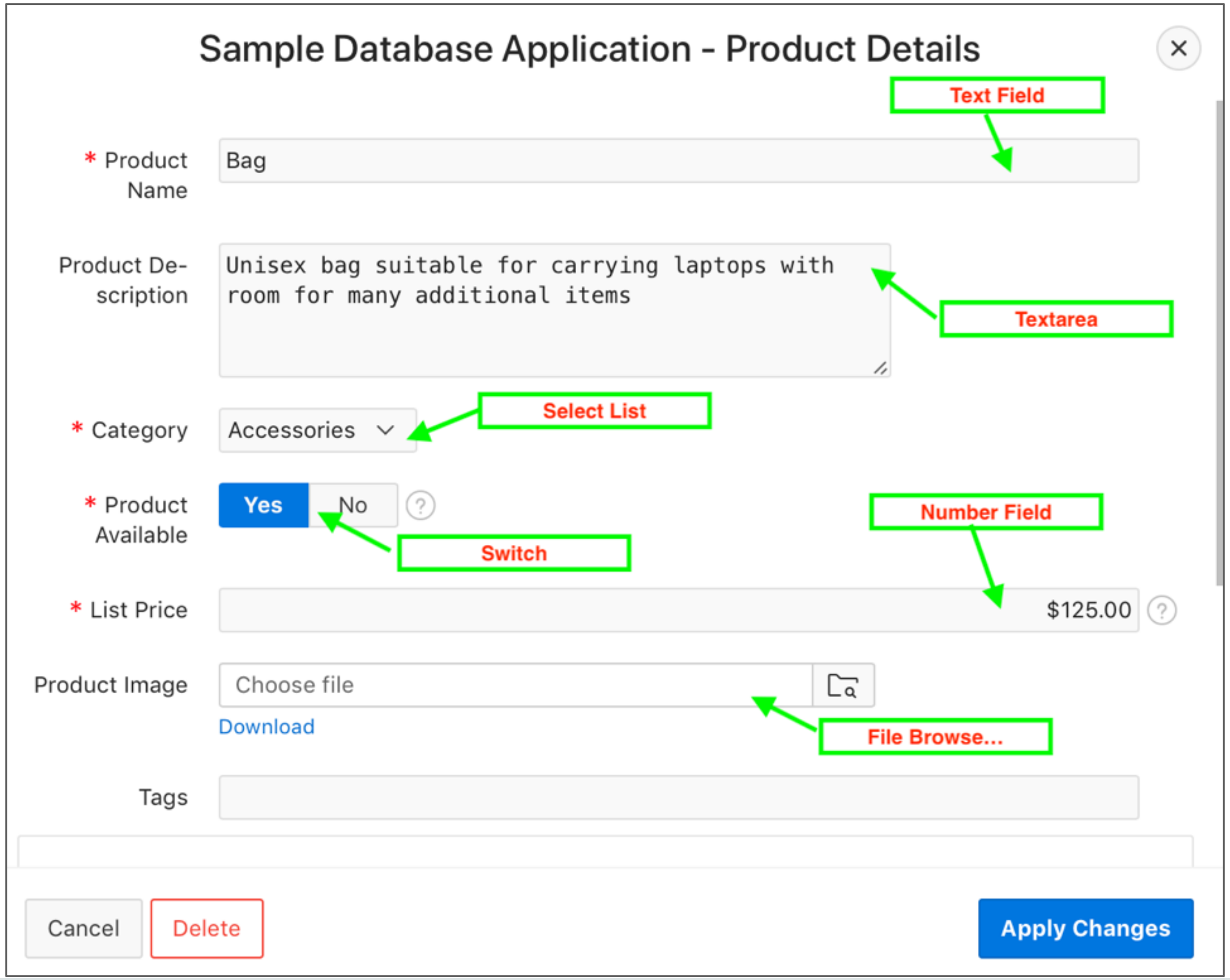
An item is part of an HTML form. There are two types of items:

- Page items
- Application items

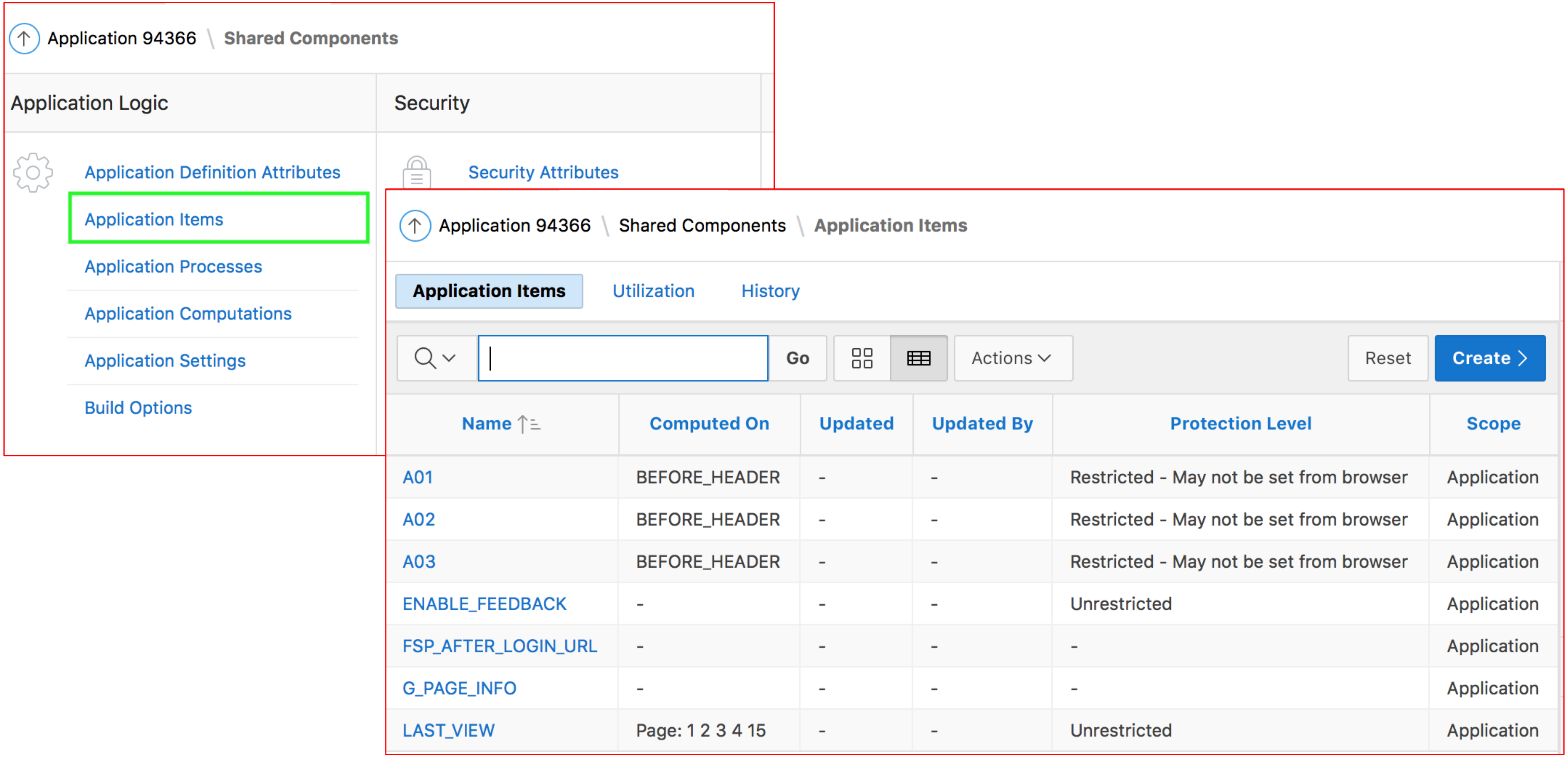


Viewing page items in Page Designer

Page Items: Examples



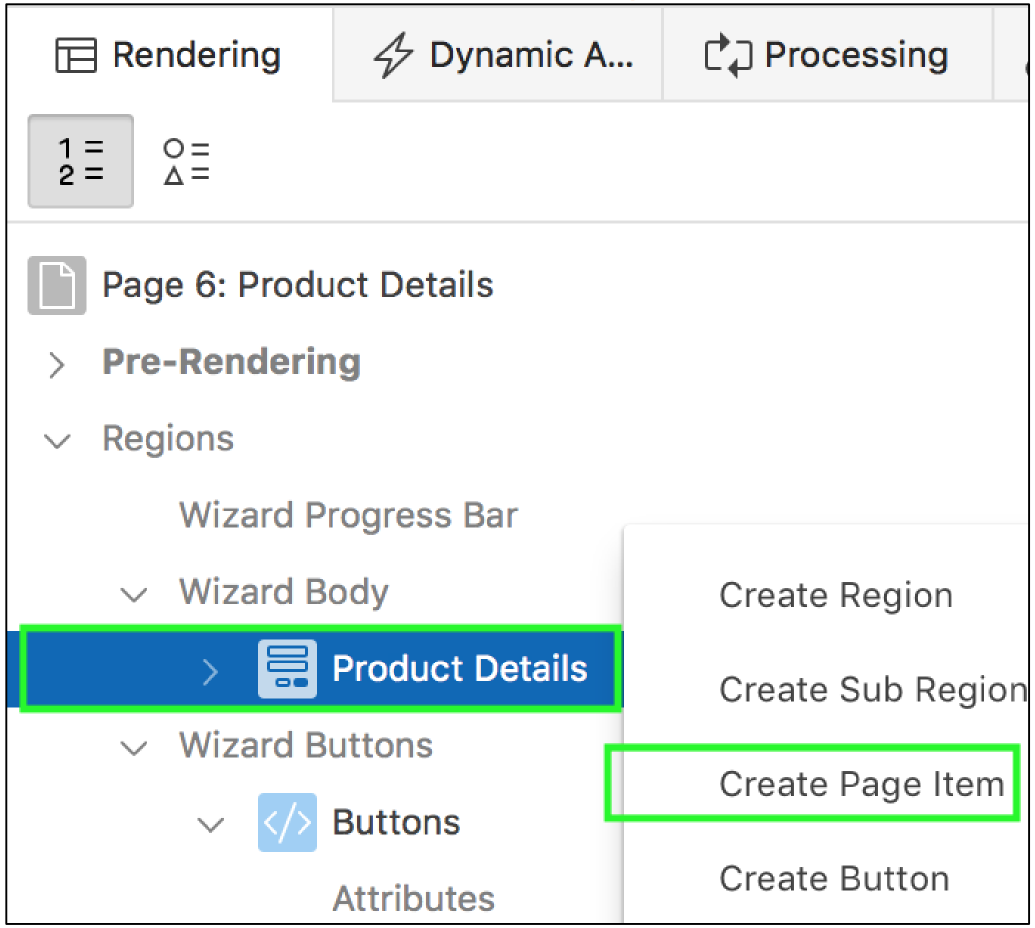
Understanding Application Items



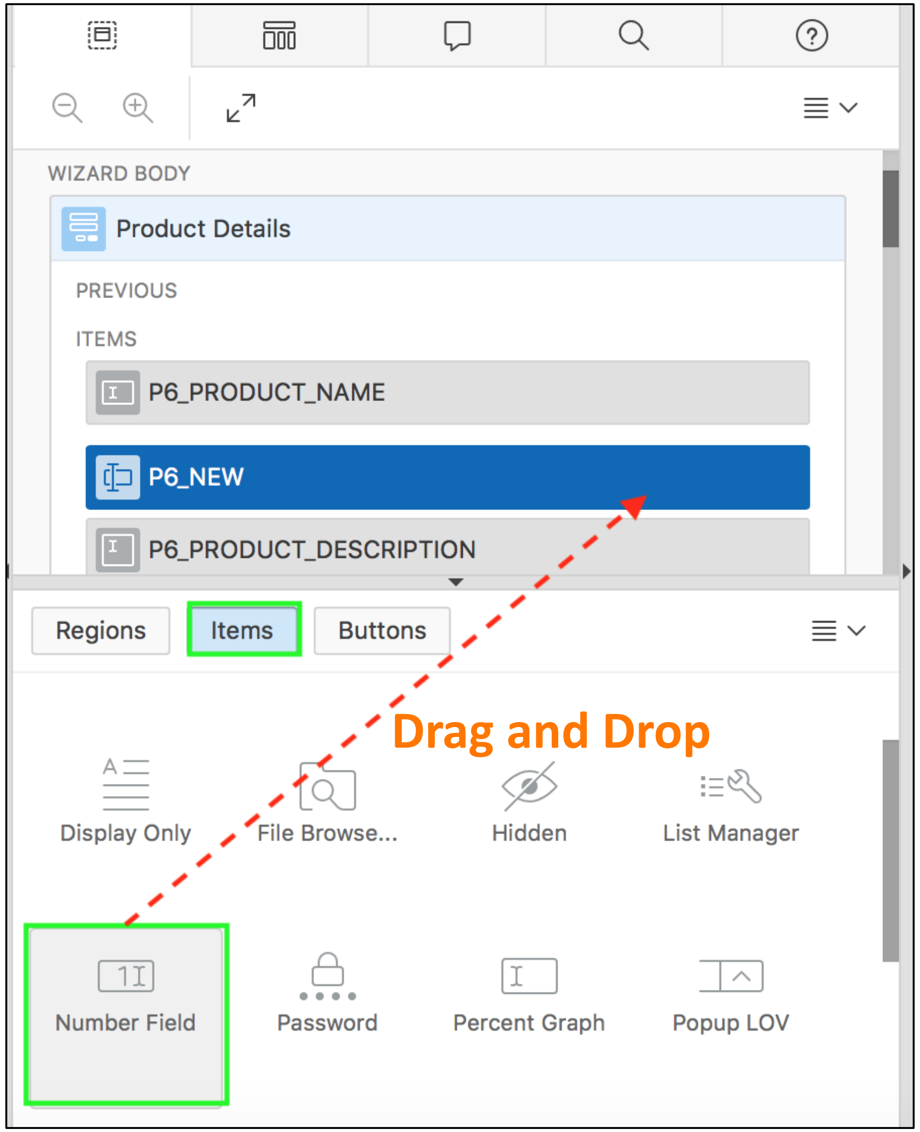
Name	Computed On	Updated	Updated By	Protection Level	Scope
A01	BEFORE_HEADER	-	-	Restricted - May not be set from browser	Application
A02	BEFORE_HEADER	-	-	Restricted - May not be set from browser	Application
A03	BEFORE_HEADER	-	-	Restricted - May not be set from browser	Application
ENABLE_FEEDBACK	-	-	-	Unrestricted	Application
FSP_AFTER_LOGIN_URL	-	-	-	-	Application
G_PAGE_INFO	-	-	-	-	Application
LAST_VIEW	Page: 1 2 3 4 15	-	-	Unrestricted	Application

Creating a Page Item

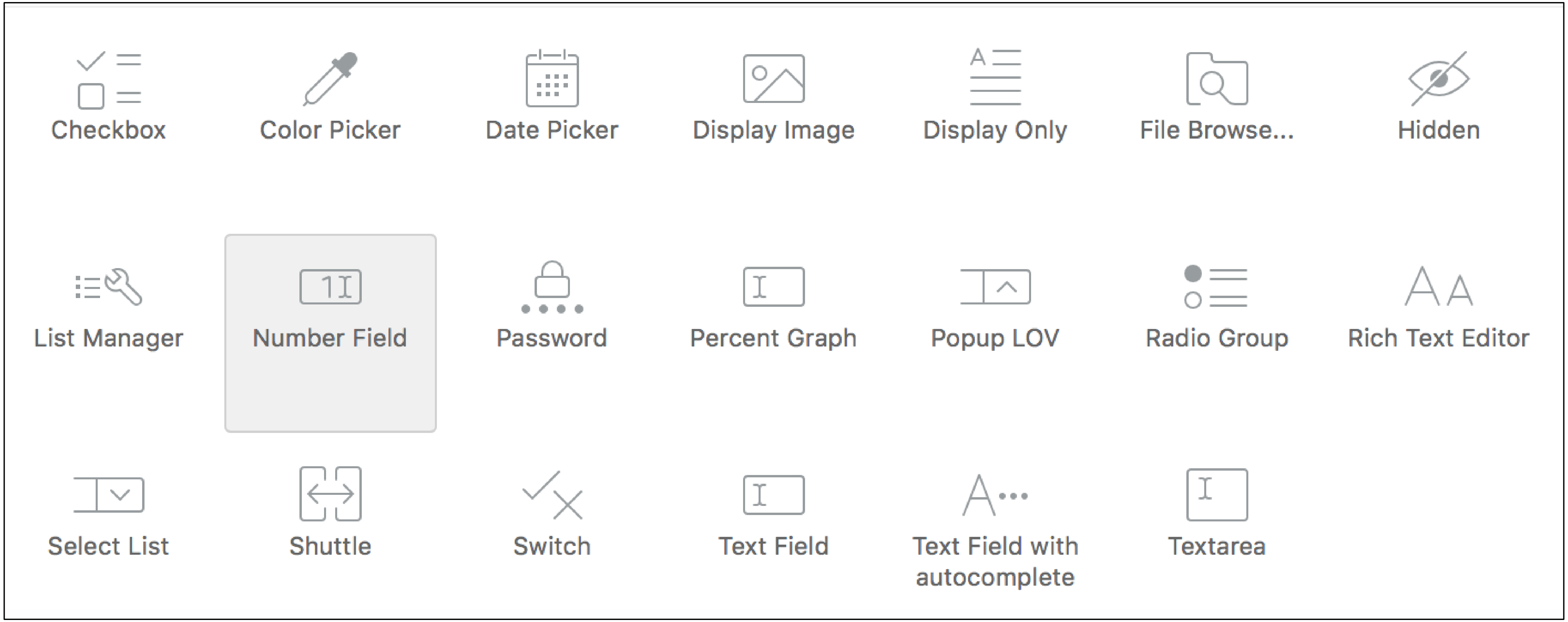
From the Rendering tab



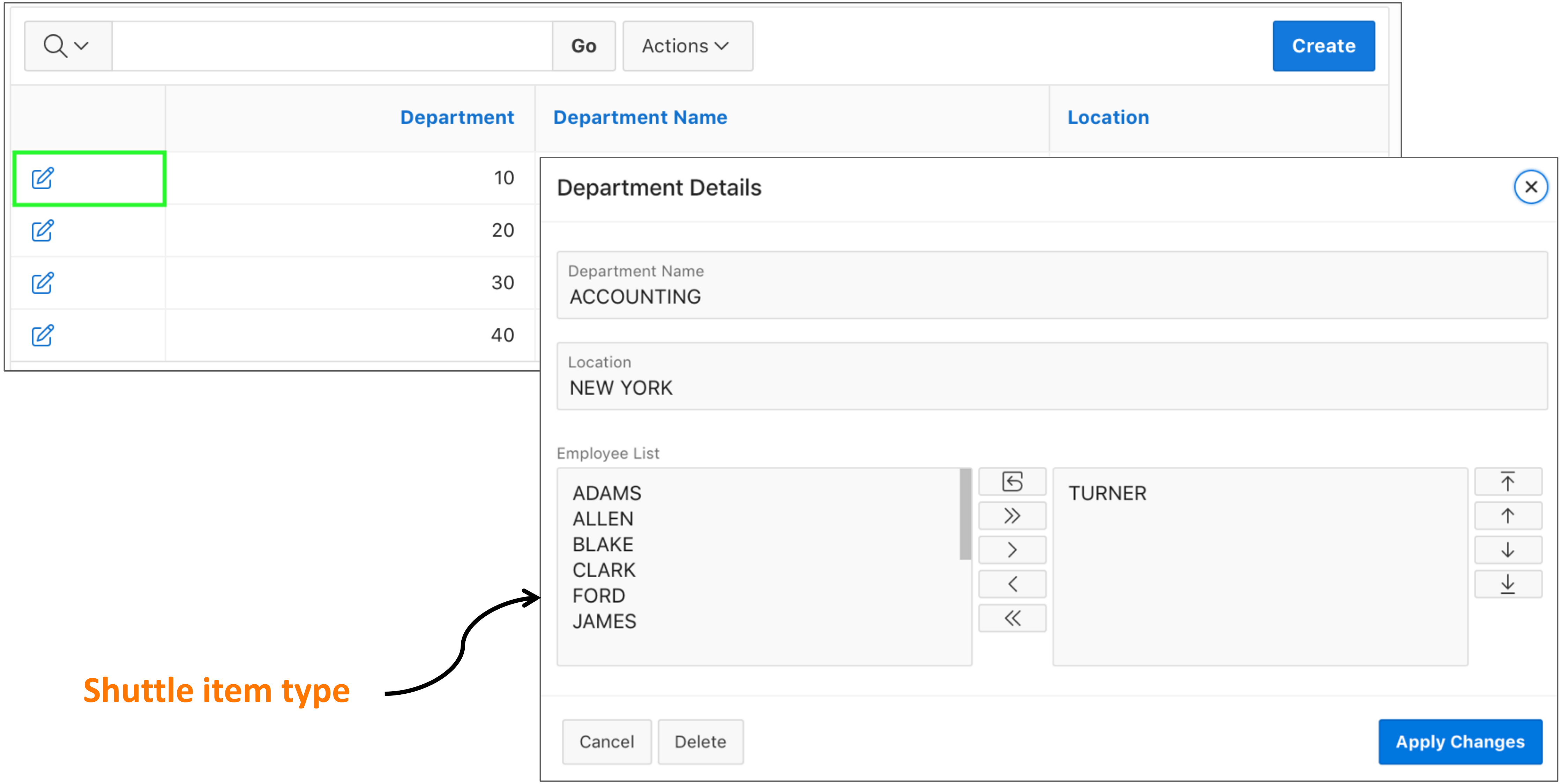
From the Gallery



Different Types of Page Items

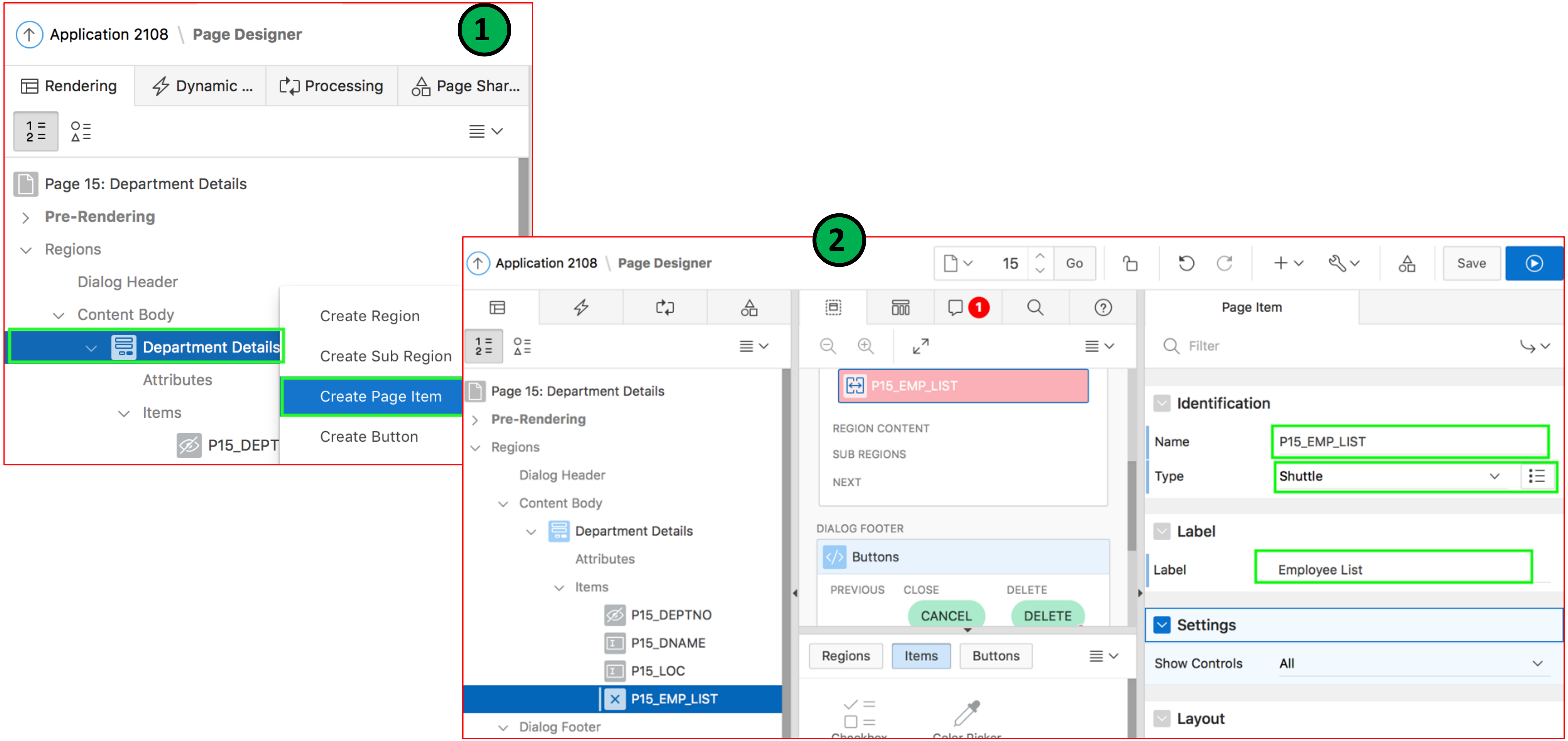


Creating a Page Item: Example

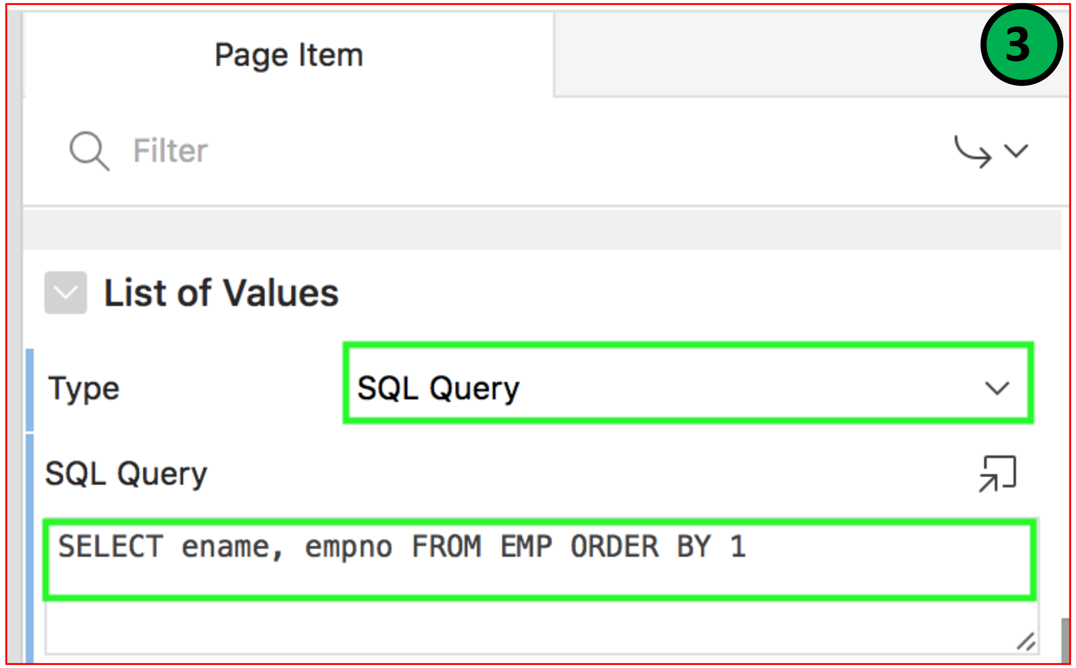


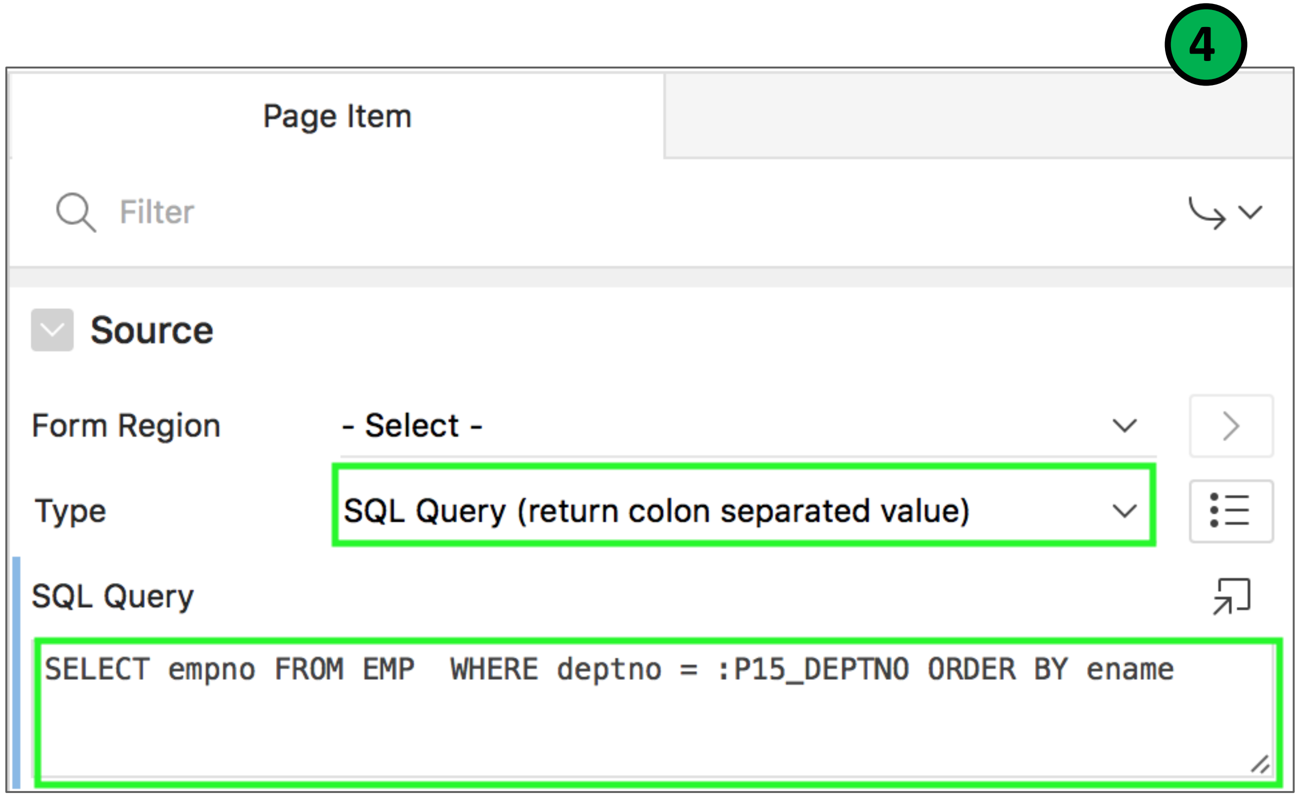
Shuttle item type

Creating a Page Item: Example - Steps

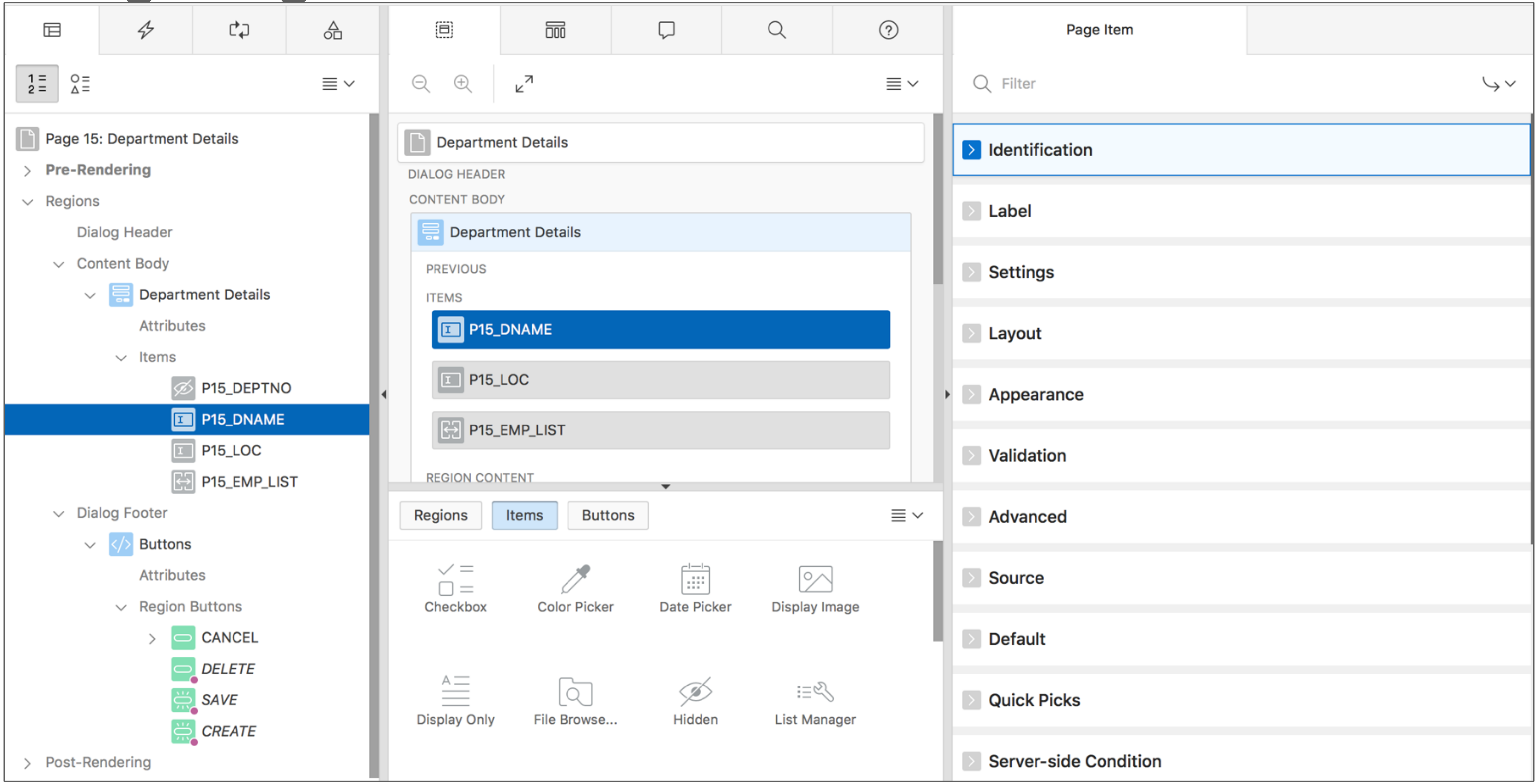


Creating a Page Item: Example - Steps





Editing a Page Item

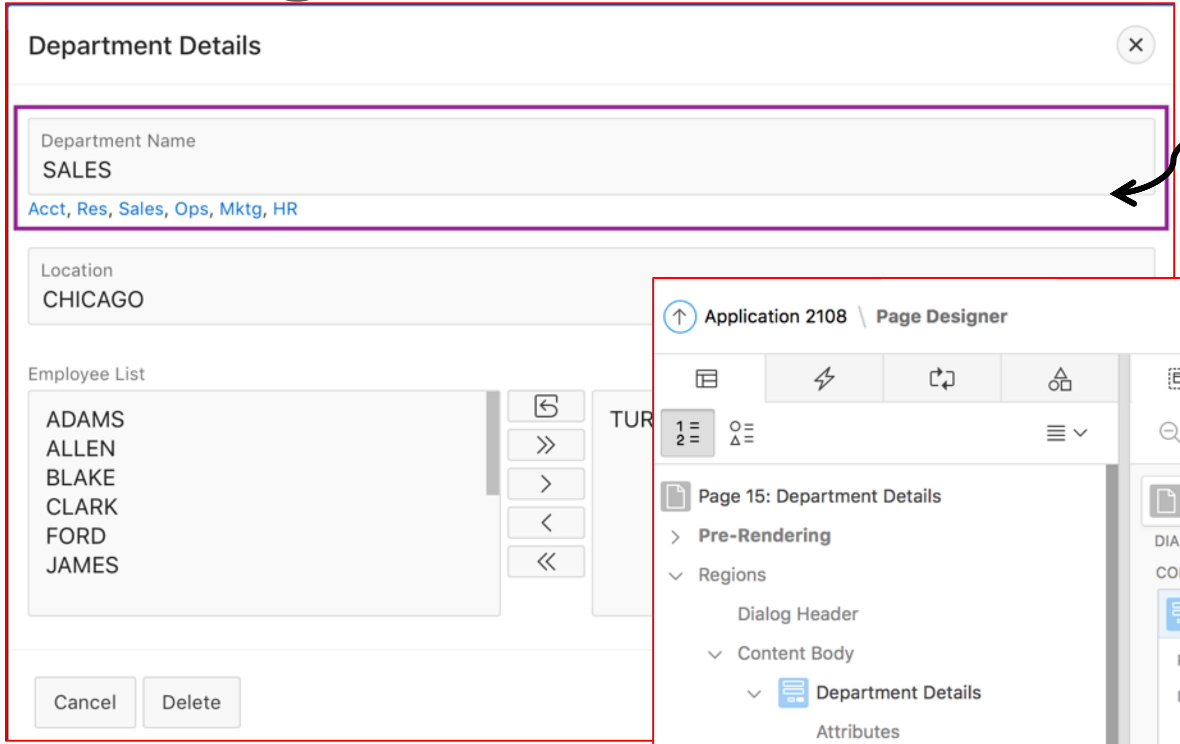


Referencing Item Values

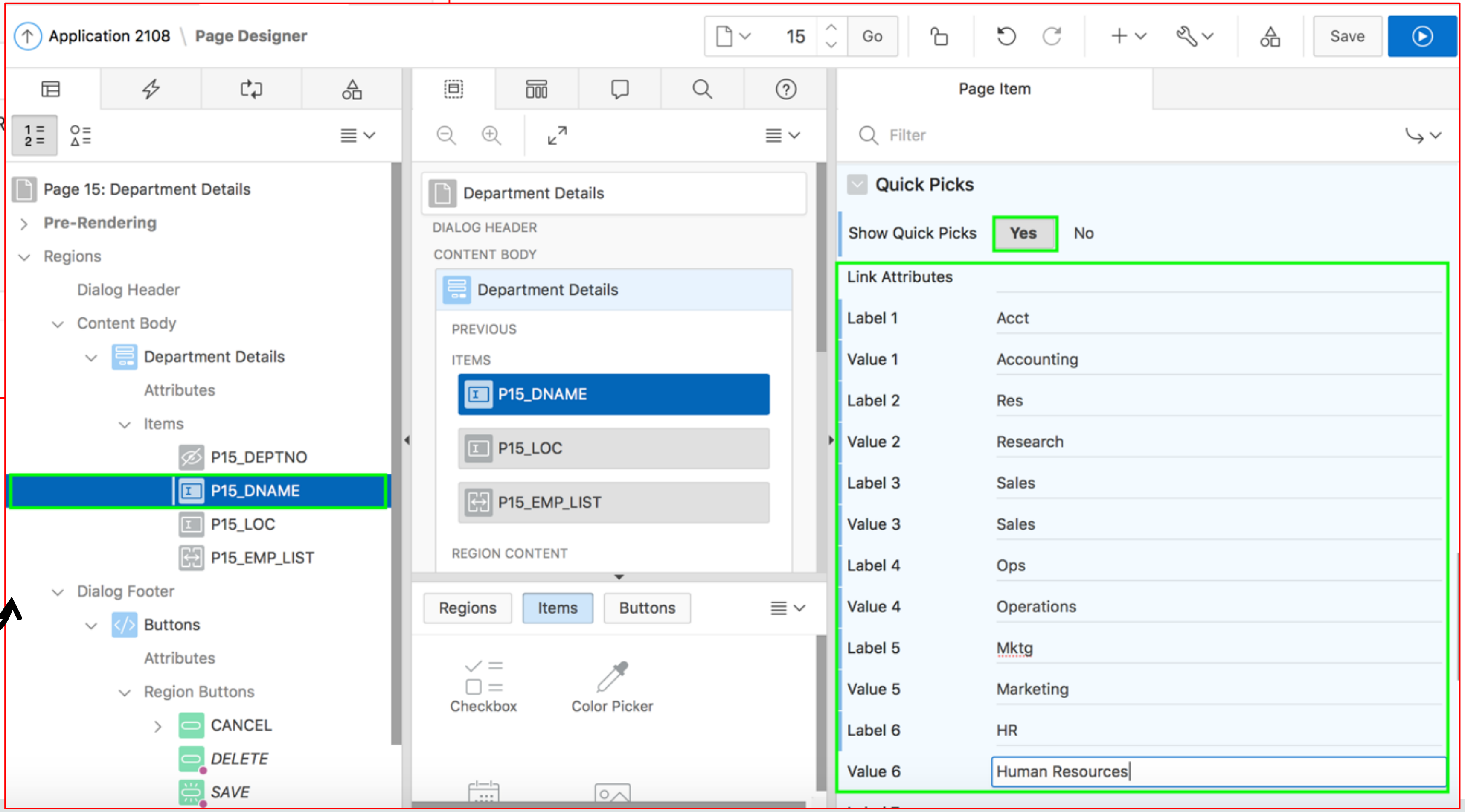
- You can reference item values stored in session state in regions, computations, processes, validation, and branches
- Syntax for referencing item values:

Type	Syntax
SQL	`:MY_ITEM`
PL/SQL	`V('MY_ITEM')`
PL/SQL	`NV('MY_NUMERIC_ITEM')`
Static Text (exact)	`&MY_ITEM.`

Creating a Quick Pick Selection

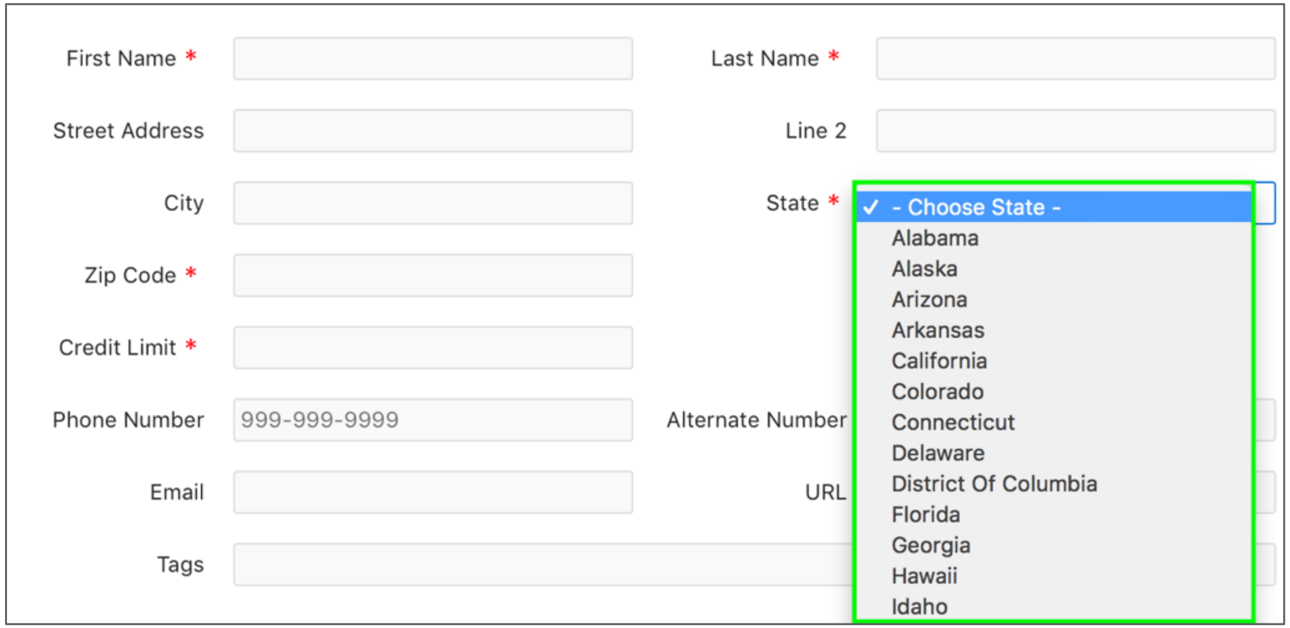


Quick pick to select department name



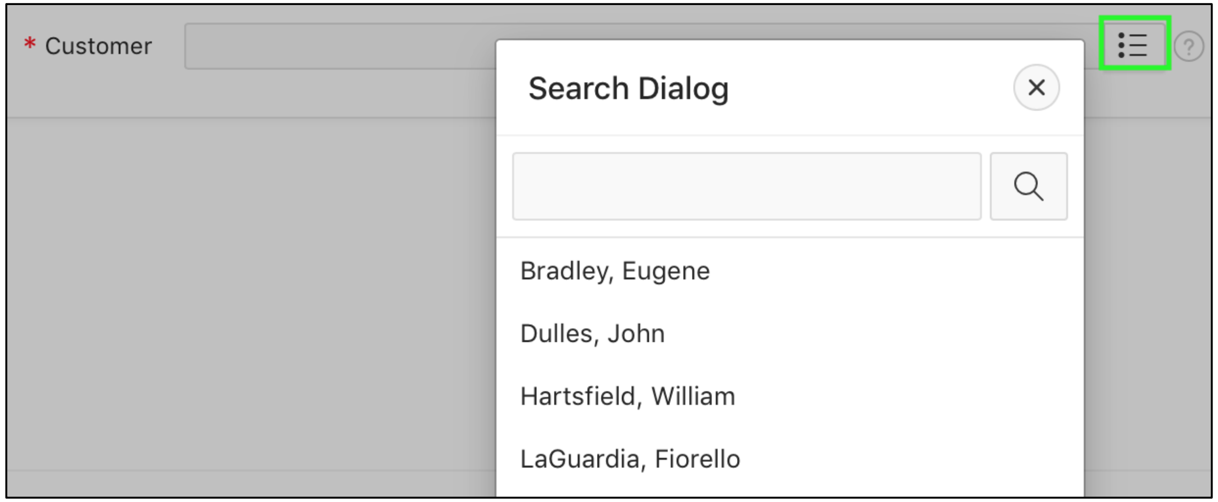
Steps to create a quick pick

What is a List of Values (LOV)?

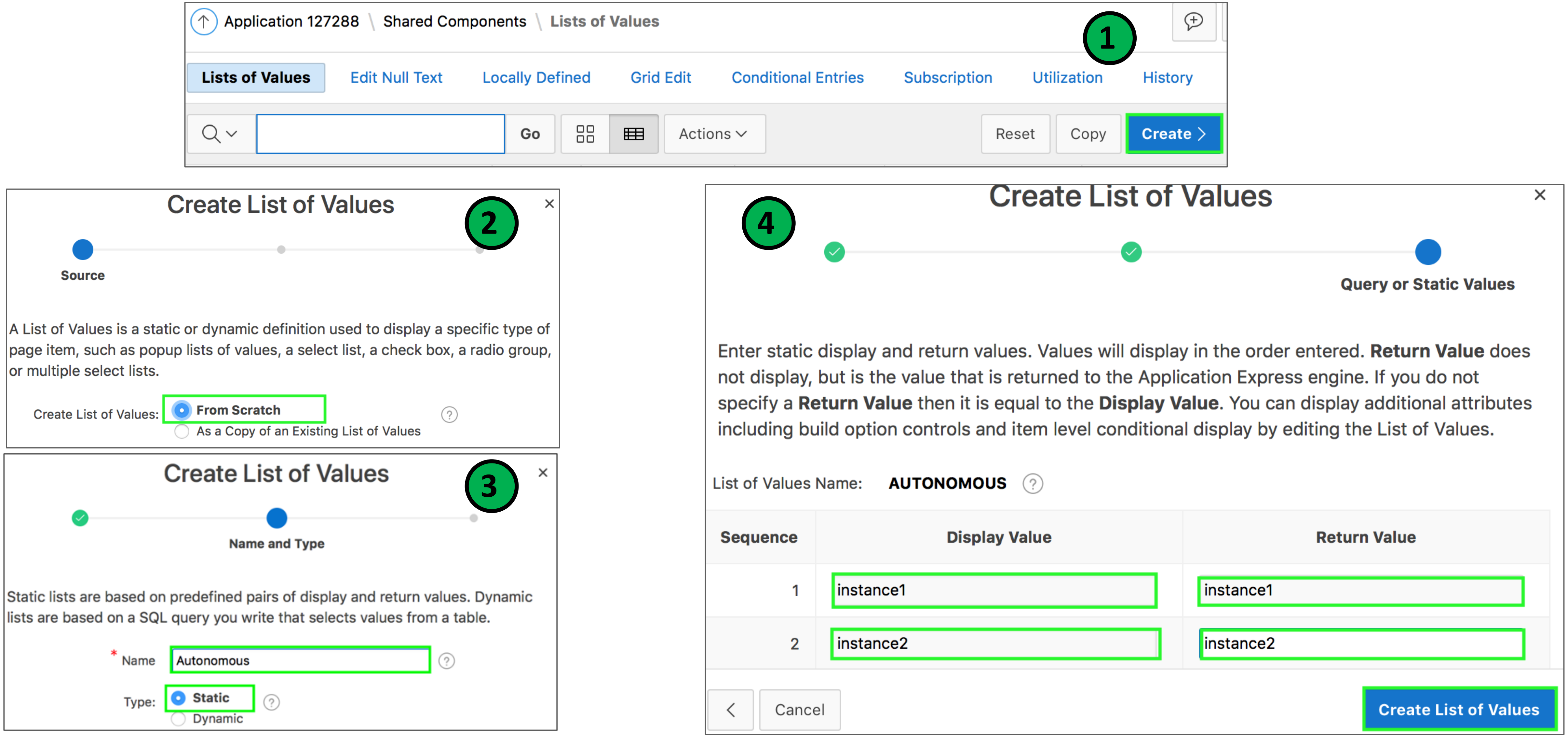


Select List

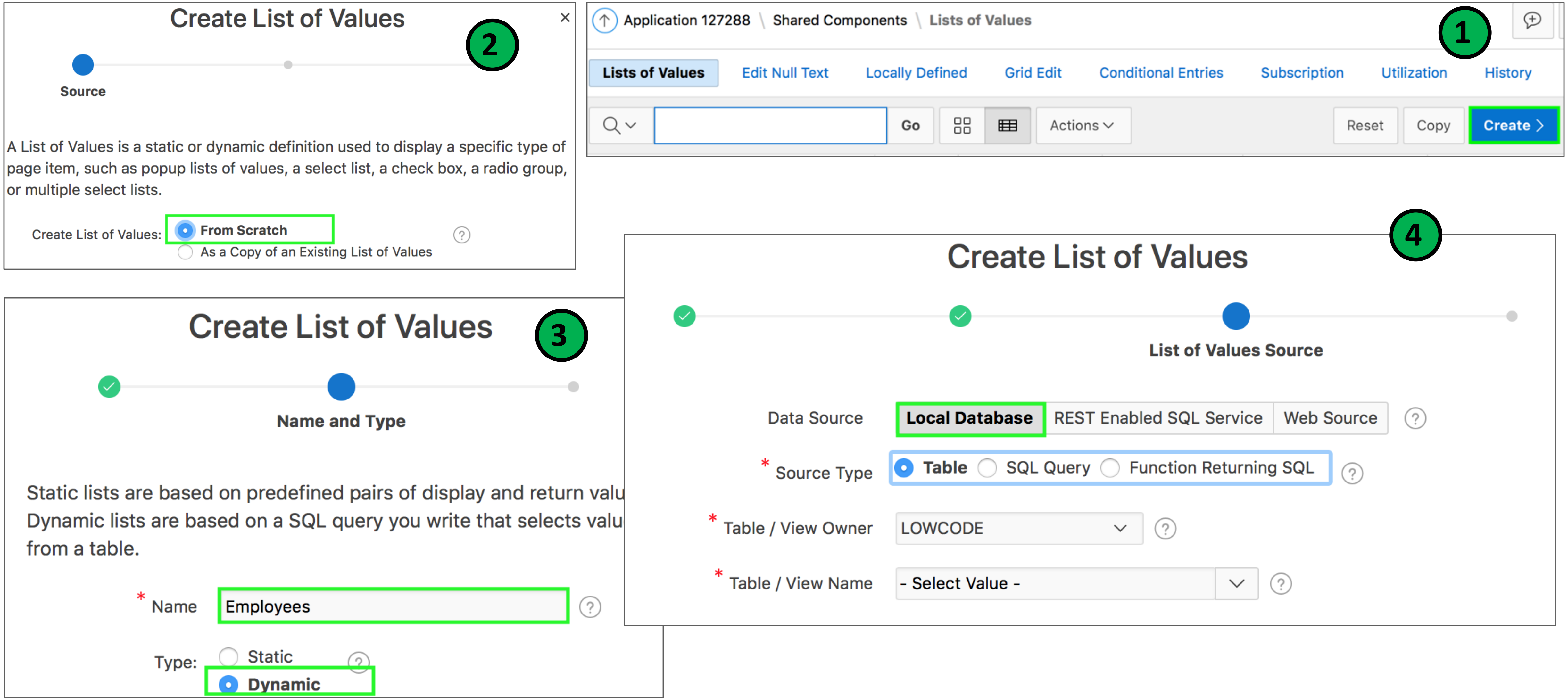
Popup LOV



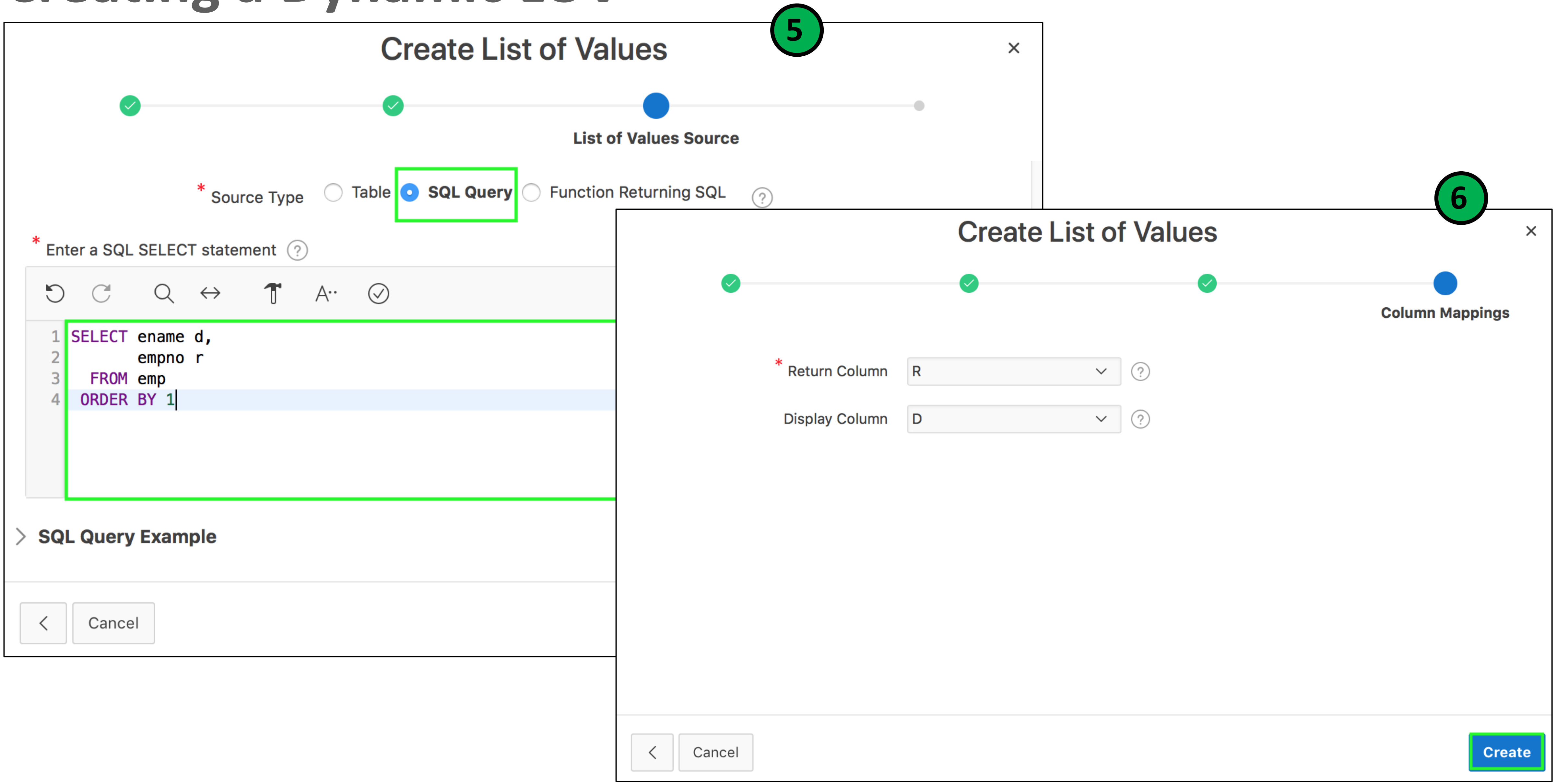
Creating a Static LOV



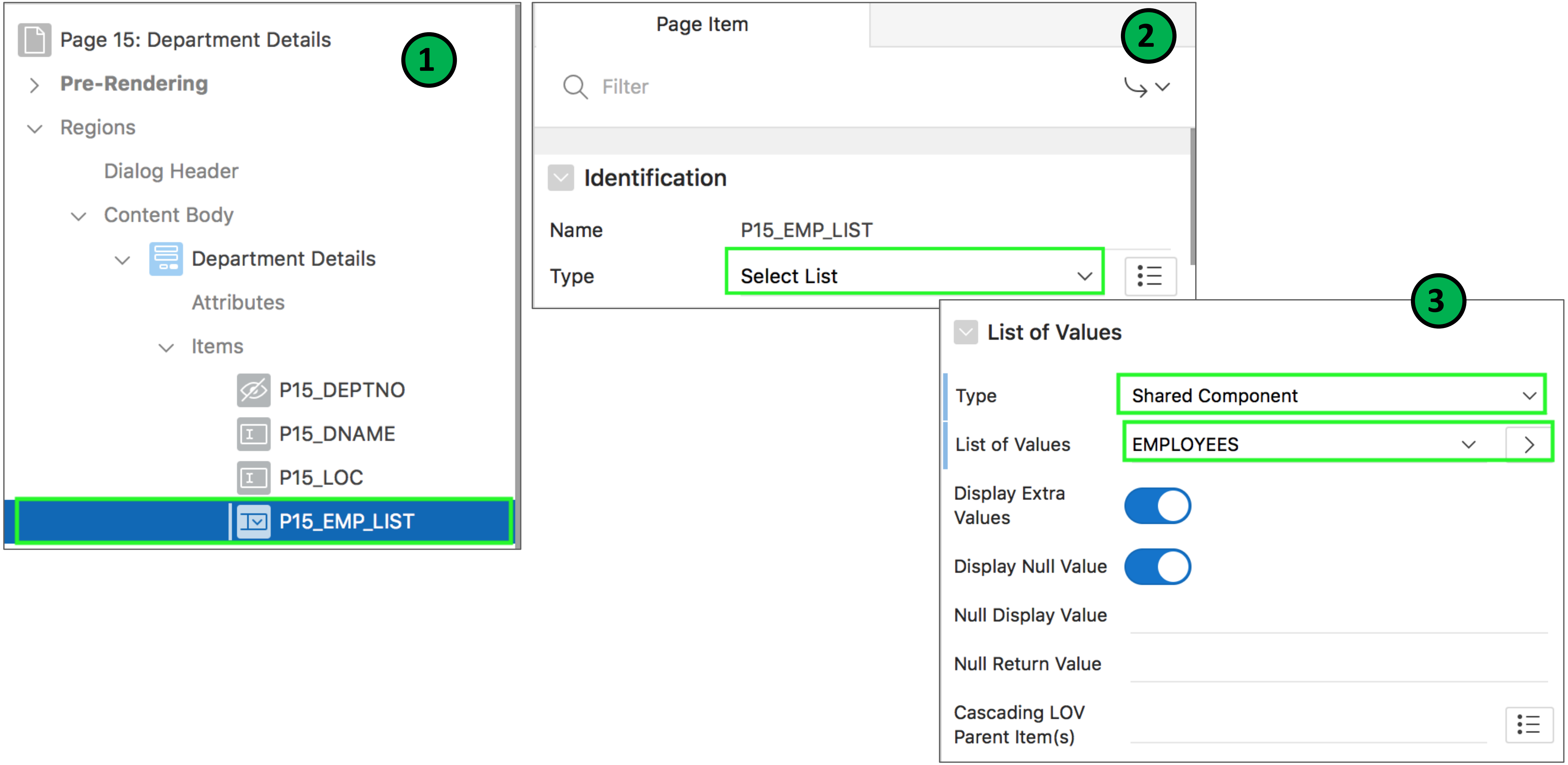
Creating a Dynamic LOV



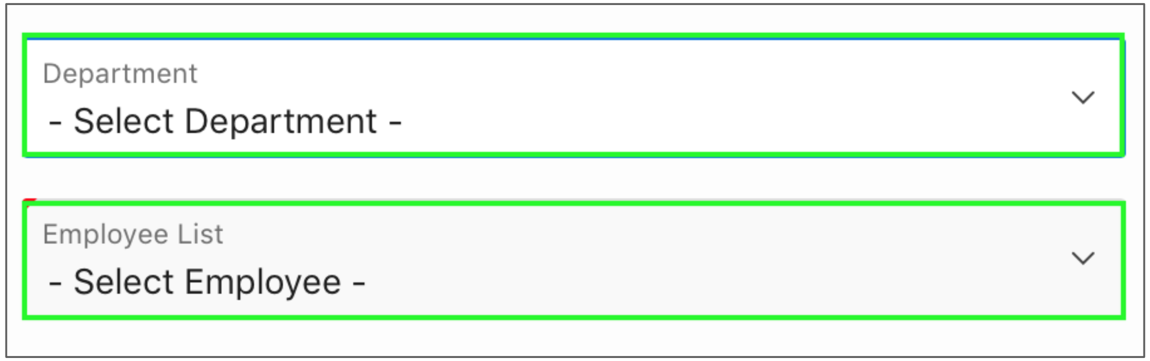
Creating a Dynamic LOV

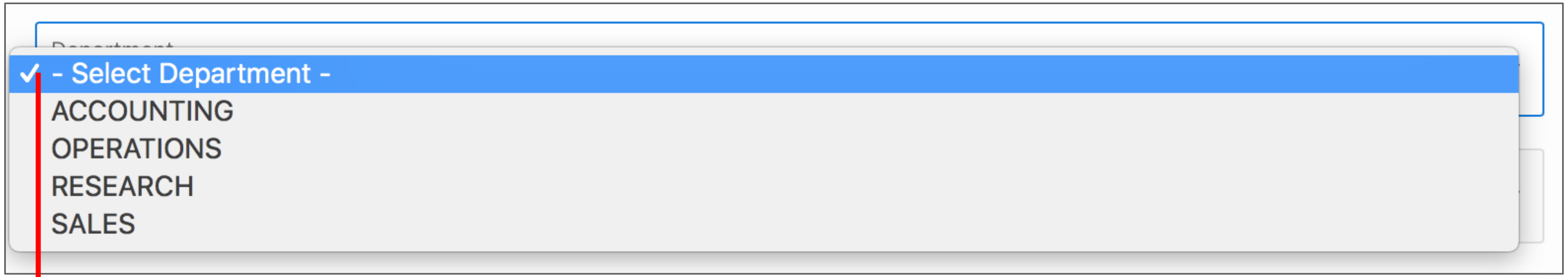


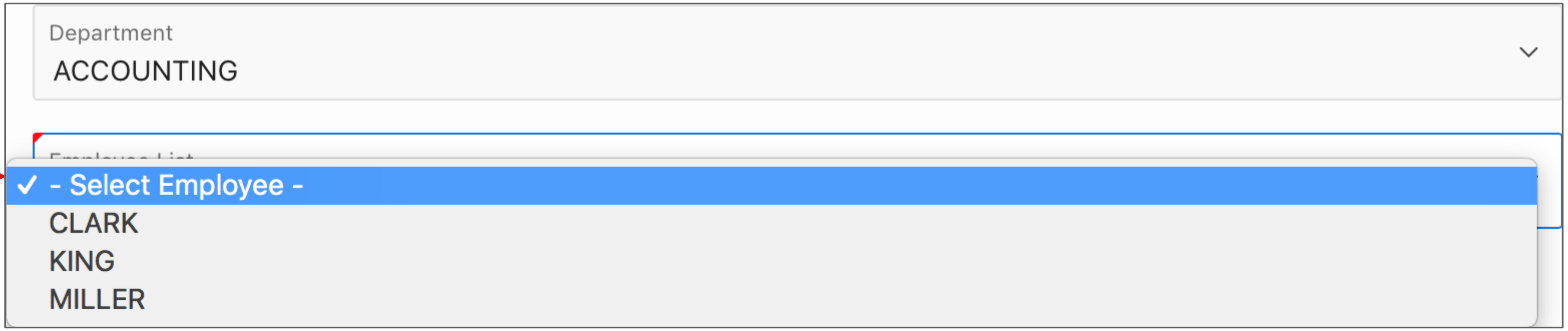
Associating a Named LOV with an Item



Creating a Cascading LOV

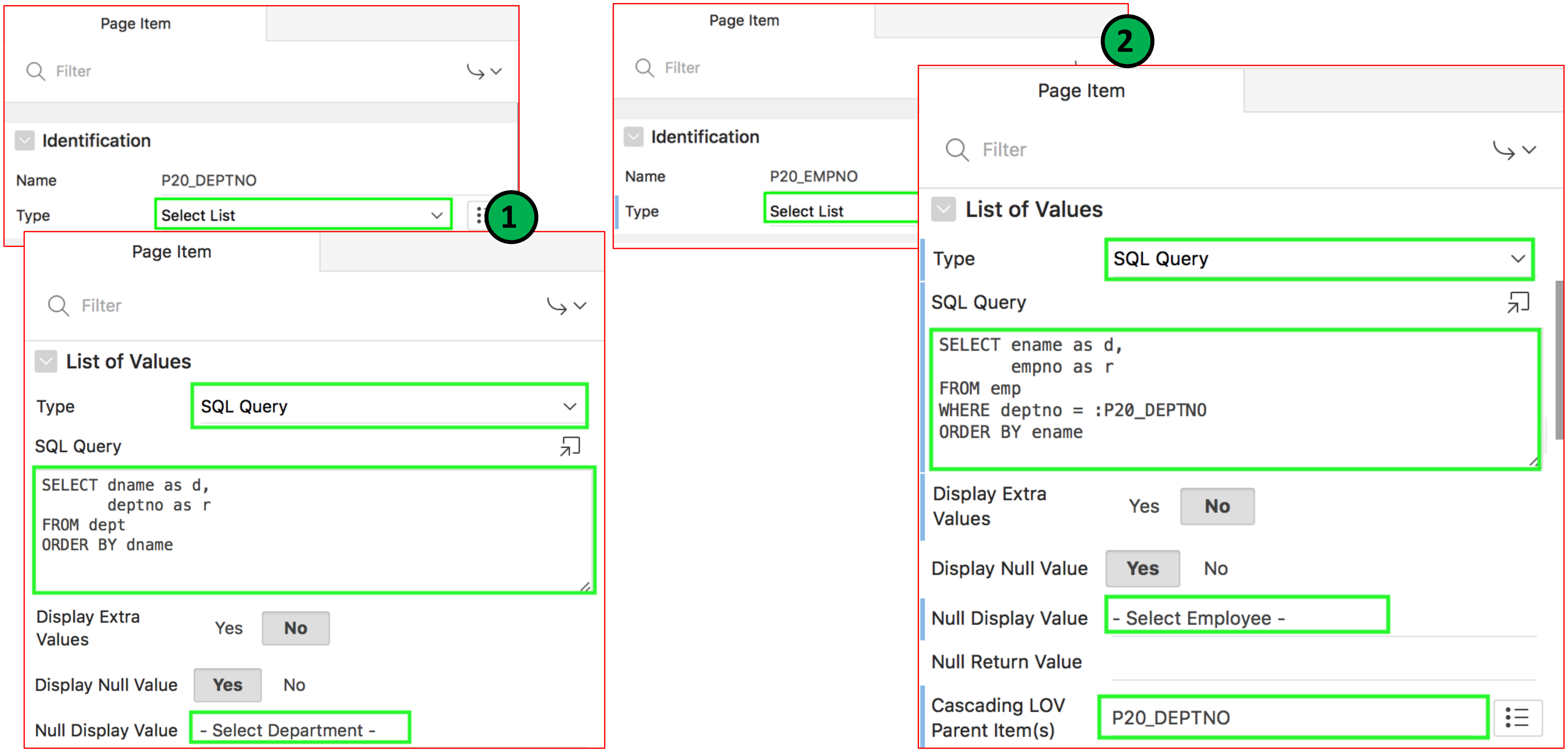




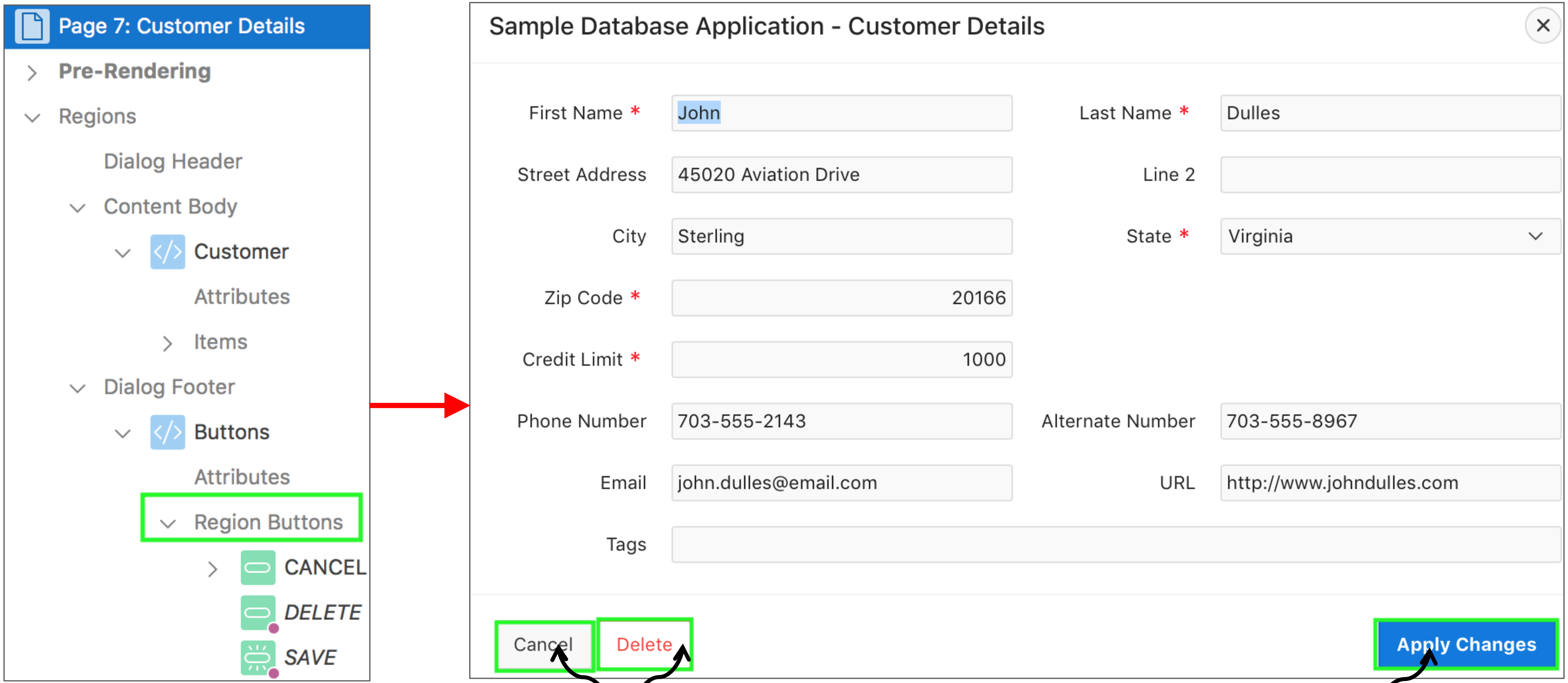


Two related select lists where the value of the first list populates the second.

Creating a Cascading LOV: Steps



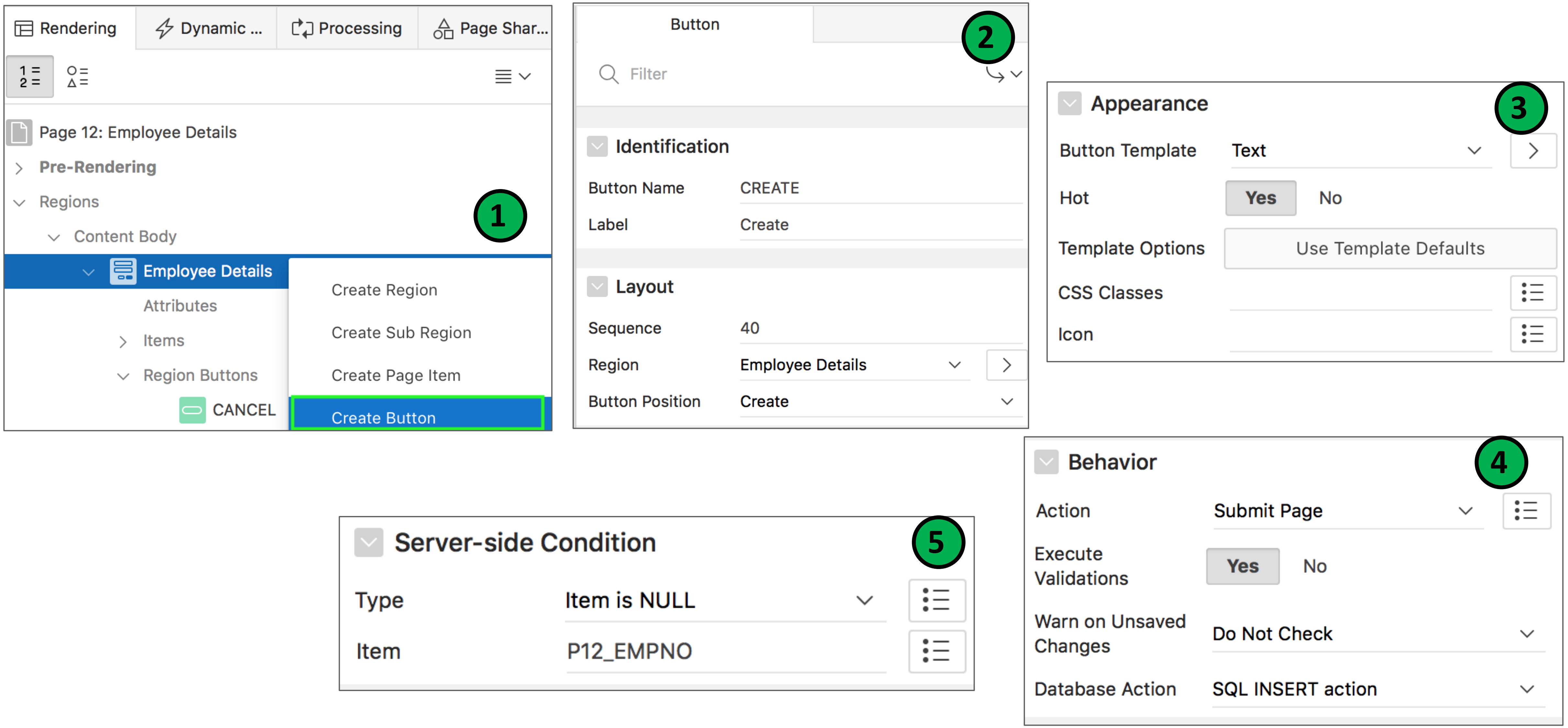
Creating Buttons



Region buttons

Region button

Creating a Button: Steps



Summary

In this lesson, you learned how to create different types of page controls. You learned to create:

- Items
- Buttons