

Oracle APEX

Part 2

Plan

Session 11am – 1pm

1. Understanding App Builder Concepts.
2. Creating APEX Application
3. Understanding Page Designer

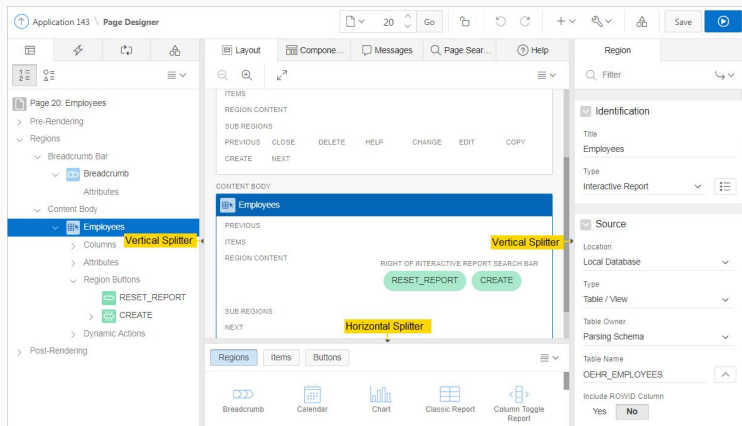
Understanding App Builder Concepts

- Application Express Application
- Application Page
- Application UI
- Session State
- Page Processing and Rendering
- Application URL Syntax

Application Express Application : It is the HTML interface that exists on top of database object such as tables, procedures and functions.



Understanding App Builder Concepts



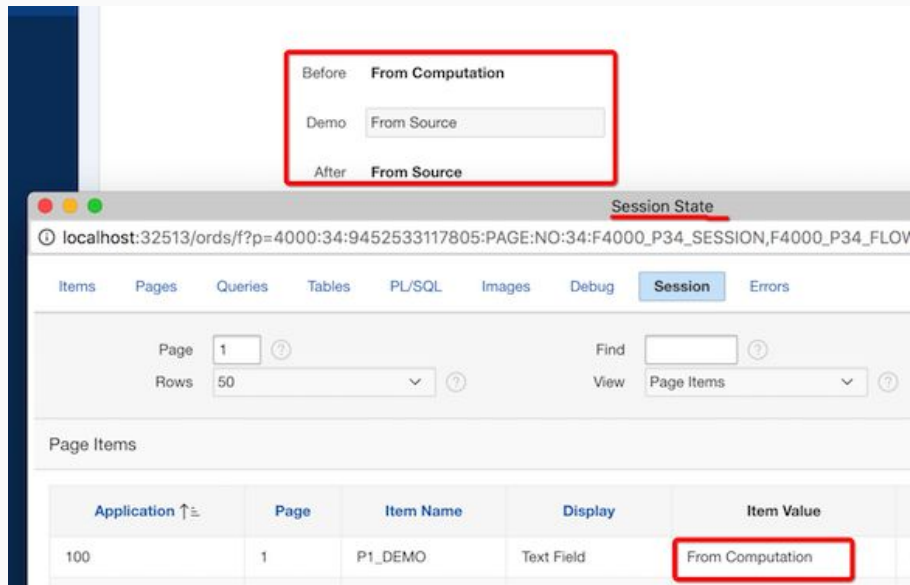
Application Page : It is the basic building block of an application. A page can have multiple components in it grouped together into regions. They can have processes defined to perform logics. An application can have multiple pages.

Understanding App Builder Concepts

Application User Interface : App Builder supports multiple user interfaces within a single application. We can choose to build an application for the desktop, for a mobile device, or for both. Each user interface defined for an application has its own theme, login page, home page, and global page.



Understanding App Builder Concepts



Session State : A session is a logical state that establishes stateful behavior across the pages. Each session is assigned with a unique identifier. APEX uses this session to store and retrieve the working / active data set for a particular session.

Understanding App Builder Concepts

Page Processing and Rendering : When we create an application , We link pages together using tabs, navigation menus, buttons etc. Each page can have buttons and items and can include application logic. We can branch from one page to the next using conditional navigation, perform calculations and validations, and display reports, calendars, and charts.

The Application Express engine dynamically renders and processes pages based on data stored in Oracle database tables

Understanding App Builder Concepts

Application URL Syntax : When we run the application, the URL we see on the web browser represents the address / location of the APEX application. It contains the application ID, Page ID, session and other attributes.

Sample URL: <http://apex.somewhere.com/pls/apex/f?p=4350:1:220883407765693447>

- apex.somewhere.com is the URL of server.
- pls is indicator to use mod_plsql cartridge.
- apex is the database access descriptor (DAD). It describes how HTTP server connects to database server to fulfill requests. Default value is apex.
- f?p= is the prefix used by APEX
- 4350 is Application ID
- 1 is Page ID
- 220883407765693447 is the session number.

Understanding App Builder Concepts

Application URL Syntax :

Sample URL: <http://apex.somewhere.com/pls/apex/f?p=4350:1:220883407765693447>

URL Syntax: <http://servername/pls/f?p=AppID:PageID:Session:Request:Debug:ClearCache:itemNames:itemValues>

Creating application



Create



Import



Dashboard



Workspace Utilities

Get Started Now



Create a New App

Start building your first application in Application Express.



Install a Starter or Sample App

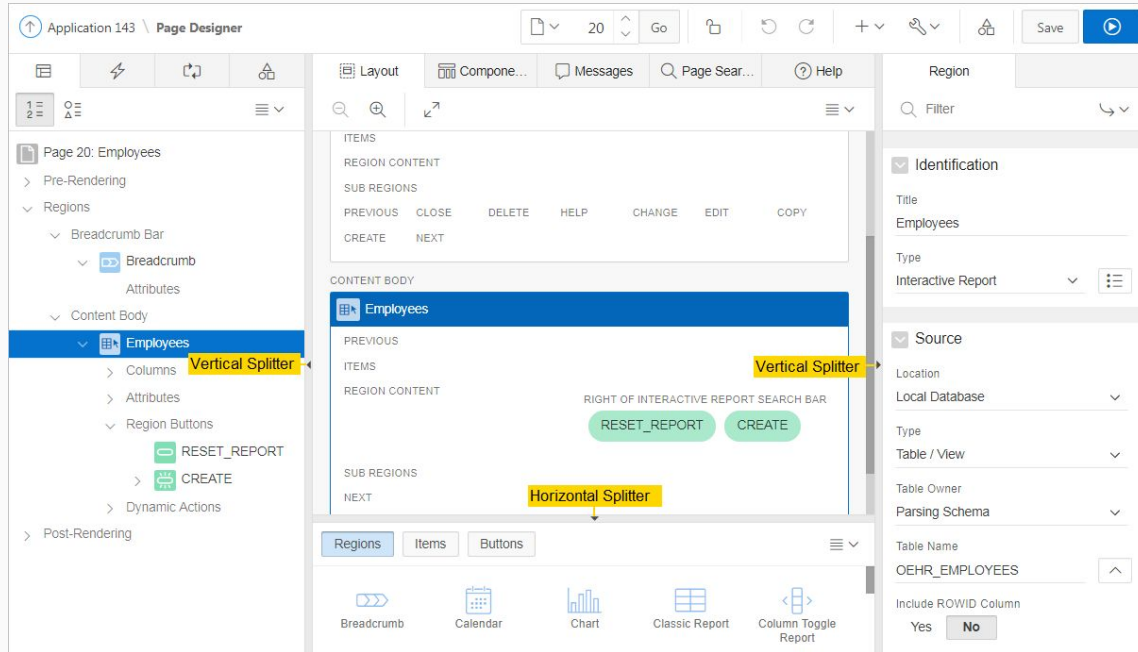
Choose from over 20 sample and starter apps.



Learn more about App Builder

Get Started

Understanding Page Designer



Questions



Thanks!

Contact us:

training@apps2fusion.com

+44 207 101 9262

+ 1 212 404 1735

www.apps2fusion.com

