

# Oracle APEX

## Part 5







# Plan

## Session 11am – 1pm

1. What is Shared Components?.
2. Understanding Shared Component Items
  - Application Processes
  - Application Definition Attributes
  - Application Items
  - Security Attributes
  - Authentication Schemes
  - Authorization Schemes
  - LOV's
  - Navigation
  - User Interfaces

# What are Shared Components?

Shared Components lets you define the application attributes , process and other settings that can be used / accessed throughout the application.

<b>Application Logic</b>  <ul style="list-style-type: none"><li>Application Definition Attributes</li><li>Application Items</li><li>Application Processes</li><li>Application Computations</li><li>Application Settings</li><li>Automations</li><li>Build Options</li></ul>	<b>Security</b>  <ul style="list-style-type: none"><li>Security Attributes</li><li>Authentication Schemes</li><li>Authorization Schemes</li><li>Application Access Control</li><li>Session State Protection</li><li>Web Credentials</li></ul>	<b>Other Components</b>  <ul style="list-style-type: none"><li>List of Values</li><li>Plug-ins</li><li>Component Settings</li><li>Shortcuts</li><li>Email Templates</li></ul>
<b>Navigation</b>  <ul style="list-style-type: none"><li>Lists</li><li>Navigation Menu</li><li>Breadcrumbs</li><li>Navigation Bar List</li></ul>	<b>User Interface</b>  <ul style="list-style-type: none"><li>User Interface Attributes</li><li>Themes</li><li>Templates</li></ul>	<b>Files</b>  <ul style="list-style-type: none"><li>Static Application Files</li><li>Static Workspace Files</li></ul>

# Understanding Shared Component Items

**Application Processes:** Application Processes run PL/SQL logic at specific points for each page in an application or as defined by the conditions under which they are set to fire. Note that "Ajax Callback" processes fire only when called from Ajax or by "Run Ajax Callback" processes defined for pages.

**Application Items:** Use Application Items to maintain session state. Application Items can be set using computations, processes, or by passing values on a URL. Use "On New Instance" computations to set the value of items once for a session. Use Application Items to maintain session state that is not displayed and is not specific to any one page.

# Understanding Shared Component Items

**Application Definition Attributes:** Edit the general application definition.

**Security Attributes:** Use this to set application-wide security settings. Edit application components directly to manage more granular settings.

**Authentication Scheme:** An Authentication Scheme is saved configuration you can apply to your application. To turn off authentication you must create and make current a No Authentication scheme.

# Understanding Shared Component Items

**Authorization Scheme:** You manage authorization for applications, pages, and most other components using Authorization Schemes.

You associate an Authorization Scheme with an application, page, or other component on the component's attributes page.

Authorization Schemes are pass/fail checks. Common Authorization Scheme types include Exists, Not Exists SQL Queries, and PL/SQL Function Returning Boolean.

To enhance performance, the success or failure of an Authorization Scheme is cached on a per session or per page view basis.

# Understanding Shared Component Items

**LOV's:** A List of Values can be referenced by page items as well as report fields. It controls the values displayed and limits the user's selection. Lists of Values can be static (based on values you enter), or dynamic (based on different data sources of either Local Database, REST Enabled SQL or REST Data Source).

**Navigation:** Navigation section lets you define navigation entries in your application. You can define navigation entries in Navigation Bar, Navigation Menu or Breadcrumb.

**User Interface:** These attributes lets you customize the themes, templates and other UI attributes used by the application.

# Questions





# Thanks!

## Contact us:

training@apps2fusion.com

+44 207 101 9262

+ 1 212 404 1735

[www.apps2fusion.com](http://www.apps2fusion.com)

