

# Aceindus IT Training

## Apache Wicket CONCEPTS

### Apache Wicket Framework Concepts

#### Introduction Section

##### Introduction to Wicket:

How we got into wicket, problems solved by wicket

##### Wicket Architecture:

How wicket handles web request and response

##### Wicket Components:

The components available in wicket - Page, Panel, WebMarkupContainer, MarkupContainer, Form Component etc

##### Getting Inside Wicket

##### Understanding Models:

Working with Property models & detachable models

##### Explaining components like Label, Link, Radio button, checkbox and dropdown:

Behaviour of each component and how to use it in the web pages

##### Process user Input forms:

Passing the user input values, and performing validations

##### Creating a page, using Panels & WebMarkupContainer:

Creating a page using wicket panels and using WebMarkupContainer

##### Diving deep into Wicket

##### Reusable Components:

Creating more generic and compound reusable components

##### Working with Images, Css, Style sheets and Scripts:

Including images, scripts using packaged resources

##### Creating rich UI components using Ajax:

Using Ajax components and behaviours to create responsive web User Interface

### Advanced Wicket

#### Securing the application

Authorizing and authenticating the application using wicket

#### Common Layout with Wicket

Common layout with wicket for consistent look and feel.

#### How to fit wicket in multi-tiered application:

Pattern of organizing wicket with existing layers

#### Internationalization:

Supporting multiple languages within your web application

#### Creating a sample application

Creating a sample application with all the features together & deploying the wicket application.

## **Testing wicket components using Wicket Tester:**

Testing the UI wicket components and asserting the expected behaviours.

### **Examples**

1. Hello World
2. Form Validator
3. Component Ext
4. Common Layouts
5. Internationalization
6. Resource Model
7. Ajax UI Component
8. Show hide Example
9. WicketBean Validation
10. Wicket Auth Roles
11. Wicket ExtionLib
12. Wicket JQuery
13. Wicket Spring
14. Wicket Spring Security

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