

## Oracle WebCenter Interaction Enterprise Portlet Development (3 Days) *(applicable for both Java or C#.NET developers)*

### Course Modules/Exercises

- Introduction to Oracle WebCenter Interaction, the PPE/Gateway, and Portlets
- Demonstration of WCI Server and Integration Products
- Install a Java IDE and come up with an idea for a new Portlet
- Design a WCI Portlet and create Remote Server, Web Service and Portlet objects; add to MyPage and Community
- HTTPGP & Gateway: A Deep Dive
- Yahoo! Search Portlet: Design a portlet that allows the user to issue a search in Yahoo!
- TCP Tracing: Use a free utility to trace TCP activity on port 80 (HTTP); observe CSP in action
- Interaction Development Kits (IDKs)
- Gateway Specific Configuration
- Design a WCI Portlet that uses a Gateway Setting
- Introduction to Portlet Settings
- Change Font Color: Use a Portlet Setting to allow the user to personalize the Portlet font color
- My Bookmarks: Design a WCI Portlet that displays an end-user customizable list of bookmarks to web sites
- Settings Review
- Community Bookmarks: Design a WCI Portlet that allows the community manager to set a customizable list of bookmarks to web sites
- Introduction to Portlet Frameworks and Database-driven Portlet Design
- Database Schema: Design database schema for a Data
- Entry and Browse Framework Portlet
- Administrative Settings Review
- Administrative Settings: Design the Administrative Preferences page for a Data Entry and Record Browse Framework Portlet
- Data View/Entry Form: Design Data View/Entry Form for a Data Entry and Record Browse Framework Portlet
- Record Browsing: Design Record Browsing for a Data Entry and Record Browse Framework Portlet
- Portlet Caching, Performance and Scale-ability
- Caching: Add ETAG/IF-NONE-MATCH caching to Data Entry and Record Browse Framework Portlet
- Enhance Record Browsing with Pagination, Sorting and Filtering
- Internationalization/Localization
- Create a Localized Portlet

## Course Prerequisites

- Familiarity with WCI Administration concepts (or successful completion of the WCI Administration course)
- Strong Web Development skills in Java/JSP or .NET (Ruby or PHP also acceptable)
- Java/JSP
  - Installing and configuring Tomcat, WLS or some other servlet container
  - Extending the Servlet Class
  - Implementing a Servlet's handler methods
  - Understanding different request/response types (GET, POST, PUT, DELETE, etc.)
  - Reading and setting web headers (e.g. Expires, Accept-Lang, etc.)
  - Handling cookies
  - Understanding of request forwarding (to JSPs)
  - Mastery of JSP syntax (e.g. should know what all these mean: <%, %>, <%=, <%!)

OR

- .NET
  - Installing and configuring IIS with the .NET Framework
  - Understanding Code Behind
  - Understanding different request/response types (GET, POST, PUT, DELETE, etc.)
  - Reading and setting web headers (e.g. Expires, Accept-Lang, etc.)
  - Handling cookies
  - Understanding of how ASP.NET pages work
  - Mastery of ASP.NET syntax (e.g. should know what these mean: <%, %>, <%=, <%!)