Developing Applications for IBM WebSphere Portal 7.0

Duration: 5 Days   Course Code: WPL51G

Overview:

This course is designed for users who are new to developing applications for WebSphere Portal Server 7.0. Students will learn the fundamentals of designing and creating portlets, and move on to put to use of the new features. Specialized topics include migrating a 6.1 theme to the new version 7.0 theme architecture using Client Side Aggregation V2 (CSA2), developing custom themes using CSA2, and customizing the user interface for tagging and rating. Students will learn about iWidgets for the Mashup Center and gain experience customizing and using these for a WebSphere Portal 7.0 site. In addition, students will have the opportunity to apply best coding practices throughout the course, developing robust portlet applications and portal themes using Dojo, AJAX and client-side aggregation. This course makes extensive use of Rational Application Developer 8.0.1 to develop and test JSR 286 compliant portlets.

Target Audience:

This course is for experienced application developers who are familiar with Java, Web 2.0, and Web development and who are responsible for developing solutions using IBM WebSphere Portal 7.0.

Objectives:

- Compare Rational Application Developer and WebSphere Portlet Factory

-

- Locate developer resources

-

- Review Portlet concepts such as the portlet lifecycle, WAR architecture, core, objects, and methods.

-

- Set up a development environment

-

- Perform basics of creating a project, deploying a portlet, starting and stopping a server and adding a portlet to a page

-

- Work with Core API (JSR 286)

-

- Leverage tag libraries

-

- Process portlet input

-

- Use Client side aggregation (CSA) framework

-

- Compare CSA and server-side aggregation (SSA)

-

- Customize portlet behavior

-

- Build interactive (collaborative) portlets

-

- Understand the basics of JavaServer Faces (JSF)

-

- Use JSF in the Portal environment

-

- Develop an iWidget

-

- Use Dojo and Ajax for portal development

Prerequisites:

You should have:

- a solid understanding of J2EE application development, including the ability to read and understand servlets, and Java Server Pages (JSPs)
- a solid understanding of the World Wide Web functionality and be familiar with Asynchronous JavaScript and XML (AJAX) and Dojo.
- a basic understanding of Rational Application Developer or Eclipse development environment
- a strong Windows user skills.

Content:

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services

- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development

- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation

- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development

- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- Portlet Concepts
- Performing Basic Tasks
- Core API (JSR 286)
- Leverage Tag Libraries
- Processing portlet input
- Client-side Aggregation
- Customizing Portlet Behavior
- Client Side Aggregation
- Building Interactive Portlets
- Introduction to JavaServer Faces (JSF)
- Using JSF in the portal environment
- Developing an iWidget
- Using Dojo and Ajax in portal development
- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

- ResourceServing porltets
- Portlet Filters
- Overview of Portlet Services
- Serving Resources
- Building Portlet Filters
- Implementing Personalization
- Creating a Portal Brand

Further Information:

For More information, or to book your course, please call us on 353-1-814 8200

info@globalknowledge.ie

www.globalknowledge.ie

Global Knowledge, 3rd Floor Jervis House, Millennium Walkway, Dublin 1