

Java or .NET Plumtree Enterprise Portlet Development Course

Course Summary

Description

This course is all-inclusive portlet development courses that will cover basic through advanced Plumtree Portlet development concepts. Although there is a small lecture component, the course is primarily exercise-based. Students who meet the prerequisites and who successfully complete all of the exercises will leave the course ready to design and write enterprise class Plumtree Portlets.

Topics

Introduction to Plumtree, the MPPE, Portlets & C#/.NET or Java
Introduction to Portlet Frameworks and Database-driven Portlet Design

Prerequisites

Students should basic understanding of the Plumtree Portal, MPPE & Portlets; proficiency in Java or C#; proficiency in web programming

Duration

Two days

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Course Outline

I. Introduction to Plumtree, the MPPE, Portlets & C#/.NET or Java

- A. Demonstration of Plumtree Server and Integration Products
- B. Install a Java IDE and come up with an idea for a new Portlet
- C. Design a Plumtree Portlet and create a GSO and Gadget Object; add to MyPage and Community
- D. HTTPGP & the Gateway
- E. Yahoo! Search Portlet: Design a portlet that allows the user to issue a search in Yahoo!
- F. TCP Tracing: Use a free utility to trace TCP activity on port 80 (HTTP); observe CSP in action
- G. Gadget Development Kits
- H. Gateway Specific Configuration
- I. Design a Plumtree Portlet that uses a Gateway Setting
- J. Introduction to Settings
- K. Change Font Color: Use a Gadget Setting to allow the user to personalize the Portlet with a font color
- L. My Bookmarks: Design a Plumtree Portlet that displays an end-user customizable list of bookmarks to web sites
- N. Settings Review
- O. Community Bookmarks: Design a Plumtree Portlet that allows the community manager to set a customizable list of bookmarks to web sites

II. Introduction to Portlet Frameworks and Database-driven Portlet Design

- A. Database Schema: Design database schema for a Data
- B. Entry and Browse Framework Portlet
- C. Administrative Settings Review
- D. Administrative Settings: Design the Administrative Preferences page for a Data Entry and Record Browse Framework Portlet
- E. Data View/Entry Form: Design Data View/Entry Form for a Data Entry and Record Browse Framework Portlet
- F. Record Browsing: Design Record Browsing for a Data Entry and Record Browse Framework Portlet
- G. Portlet Caching, Performance and Scale-ability
- H. Caching: Add ETAG/IF-NONE-MATCH caching to Data Entry and Record Browse Framework Portlet
- I. Enhance Record Browsing with Pagination, Sorting and Filtering
- J. Internationalization/Localization
- K. Create a Localized Portlet