training.uplatz.com

Training Provider for IT and Certification Courses



SAPUIS AND SAP FIORI TRAINING

Basic Foundation for UI5

Lesson 1: HTML

- · Creating our first web page
- · Line breaks, paragraphs and headers
- · Bold, italics and comments
- Lists
- · Linking to another page
- Images
- Directory structures
- · New audio tag, New video tag
- · Table
- · Forms, Get/Post method, action

Lesson 2: Cascade Style sheet

External style sheet

- Font properties
- CSS comments
- · Box model, padding, border, margin, padding
- Classes
- · Div and Span
- · Working with colors
- · Background images

Uplatz training.uplatz.com

Training Provider for IT and Certification Courses

- · ID's, child selectors, pseudo classes
- · Styling links, styling lists
- · Rounded corners
- · Linear gradient
- · Float and clear
- · New tags for the layout

Lesson 3: DOM

Document Object Model

Relating HTML Elements

Lesson 4: JavaScript

- · Introduction to JavaScript
- · Statements and Comments
- · Finding Errors
- · Variables, Data Types
- Operators
- Strings
- · Events
- · Functions, Functions with Parameters
- · Functional with Multiple Parameters
- · Variable scope
- Arrays
- · Statements if, else, nesting if, Complex Conditions, switch
- · While loop, for loop
- · Objects, properties and methods
- · Referencing elements in JavaScript
- · Changing an image source
- · Forms, form values
- · Form validation text boxes, and passwords
- · Radio buttons, Check Boxes
- · Creating HTML Element
- Modifying HTML Elements
- Appending HTML Elements
- Deleting HTML Elements

training.uplatz.com

Training Provider for IT and Certification Courses

- Regular Expressions
- Object oriented Javascript
- · Prototype in Javascript
- · Javascript Literals
- · Javascript Objects, properties, and functions

Lesson 5: jQuery

- Selectors
- Events
- · DOM Manipulation

SAP UI5 Framework and Controls

Lesson 6: SAPUI5

- Installing SAPUI5
- 1. a) SAPUI5 Tools
 - b) Versioning of SAPUI5
 - c) Upgrading jQuery for SAPUI5
 - d) Documentation
- Before you Start
 - · Naming Conventions for Control and Application Development
 - Browser and Platform Matrixes
 - Compatibility Rules
 - Experimental Flag
 - · Security Information for SAPUI5
 - Getting Started with SAPUI5
 - a) Create Your First SAPUI5 Application
 - b) Create Your First Mobile SAPUI5 Application
 - c) Develop Your First Application using SAPUI5 Tools
 - d) Testing SAPUI5 Applications
 - Concepts
 - a) Model View Controller (MVC)
 - b) Resource Handling
 - c) Libraries
 - d) SAPUI5 Components
 - e) Fragments
 - Application Best Practice
 - a) Preparing

training.uplatz.com

Training Provider for IT and Certification Courses

- b) Building
- · Initializing and Loading SAPUI5
 - a) Bootstrapping: Loading and Initializing SAPUI5 in HTML Pages
 - b) Initialization Process
 - c) Configuration of the SAPUI5 Runtime
- · Models and Data Binding
 - a) Data Binding: Getting Started
 - b) Models and Data Binding in Applications
 - c) Binding Types
 - d) Using the Data Binding Type System
 - e) Calculated Fields for Data Binding
 - f) Using Data Binding for Data Export
 - g) Property Metadata Binding
- · Building the UI
 - a) Instantiating Views
 - b) Implementing XML Views
 - c) Handling Events in JSON Views
 - d) Typed Views and Controllers
 - e) File Names and Locations (View and Controller)
 - f) View Cloning
 - g) Support for Unique IDs
 - h) Fragments
 - i) HTML Templating in SAPUI5
 - j) Navigation
 - k) Working with Controls in SAPUI5
 - I) Declarative Support
- · Structuring SAPUI5 Applications
 - a) Modularization and Resource Handling
 - b) SAPUI5 Components
- · Translating SAPUI5 Applications
 - a) Identifying the Language Code / Locale
 - b) Resource Bundles
 - c) Use of Localized Texts in Applications
 - d) Support Translation
- · Component.js
 - a) Example: Component Configuration
 - b) Controller Extension
 - c) Controller Replacement
 - d) I18n Resource Text Customization
 - e) Limitations
 - f) Caveats Regarding Stability Across Application Upgrades
 - g) Supportability
- Building Mobile Applications with SAPUI5
 - a) Handling Navigation and Lifecycle Events
 - b) Adapting to Platform and Form Factors

training.uplatz.com

Training Provider for IT and Certification Courses

- c) Working with Lists and Tables
- d) Triggering Phone, SMS and E-Mail
- e) Scrolling in SAPUI5 Mobile
- f) Running SAPUI5 Mobile Apps in Hybrid Web Containers
- g) Using Images in Mobile Applications
- h) Message Handling
- i) Mobile Events
- j) Performance Behaviour
- k) Building Charts with SAP VIZ
- Troubleshooting
 - a) Debugging
 - b) Logging and Tracing
 - c) Troubleshooting: Common Issues
 - d) Browser Debugging for ABAP Developers
 - e) SAPUI5 Diagnostics
 - f) SAPUI5 Mobile Diagnostics
- Testing in SAPUI5
- Developing Content for SAPUI5
 - a) Development Conventions and Guidelines
- · WEB-IDE
 - a) Create a new SAPUI5 application
 - b) Development process overview
 - c) Development environment overview
 - d) Building SAP Fiori-like UIs with SAPUI5
 - e) Deploy to SAPUI5 ABAP Repository

SAP Fiori Introduction and App Development

Lesson 7: SAP Fiori

- · Master Detail view in SAPUI5 Mobile
- Master Detail view in SAPUI5 Desktop
- Routing in Components
- · sap.m.Table
- · sap.m.app API
- sap.m.List API
- sap.m.lcontabbar API
- Fragments

Object Oriented Programming in ABAP

Lesson 8: Object Oriented Programming in ABAP

- What is Object and class?
- Why to define a class?
- Components of class
- Attributes Instance, static, constant
- Methods- instance, static
- Role of Attributes & Methods in OOPs programming
- Defining class in class builder
- Accessing Attributes in a method
- Instantiation of object in report program
- Visibility Public, Private, Protected
- Method parameters importing, exporting, changing, returning
- Relationship between objects
- Association
- Aggregation
- Composition
- Realization
- Generalization
- Interface
- Abstract class
- Type casting
- Widening Casting
- Narrow Casting

SAP Netweaver Gateway Using OData Service

Lesson 9: SAP Netweaver Gateway

- Introduction NetWeaver Gateway
 - NetWeaver Gateway Usage
 - Gateway Architecture overview
 - Technical Components involved
 - Introduction to REST
 - Introduction to OData
 - OData advantages
 - Introduction to OData formats JSON and XML
 - Overview of Structure of an OData Service

Uplatz training.uplatz.com Training Provider for IT and Certification Courses

- Overview of Service Document
- Overview of Service Metadata Document

OData Operations

Lesson 10: OData Operations

- Create
- Read
- Update
- Delete
- OData Query Options
- Filtering and Projecting (\$filter and \$select)
- Sorting (\$orderby)
- Client-Side Paging (\$top, \$skip, and \$inlinecount)
- Counting (\$count)
- Inlining (\$expand)
- Formatting (\$format)