

## SAP- UI 5 - Course Contents

### SAPUI5:

- ❖ Introduction to SAP UX strategy and SAP Fiori UX.
- ❖ Introduction to SAPUI5
- ❖ HTML/5 Basics:
  - Getting started
  - Tags, Attributes and Elements
  - Page Titles
  - Paragraphs, Headings
  - Lists
  - Links
  - Images
  - Forms
- ❖ JavaScript
  - Introduction to JavaScript
  - Programming basics
  - Arrays, Loops
  - Functions
  - Objects
  - The (Document Object Model)DOM
  - Events
  - Forms
  - The Window Object
  - OOPS in JavaScript
  - Prototype JavaScript
- ❖ Introduction to Cascading Style Sheets (CSS)
  - Applying CSS - Different ways you can apply CSS to HTML
  - Selectors, Properties, and Values
  - Colors
  - Text
  - Margins and Padding
  - Borders
- ❖ Introduction to jQuery and basics.
- ❖ Basics of SAPUI5
  - Environment setup for SAPUI5 - SAP WEB IDE
  - Understand SAPUI5 Basics: Bootstrapping and MVC
  - Architecture of SAPUI5 Application
  - Introduction to Controls in SAPUI5
  - Component and App Descriptor
  - Event handling in SAPUI5
  - Controls API
  - Aggregation and Expression Binding
  - Custom Formatting, Filtering, Sorting and Grouping
  - Complex Controls
    - Aggregations
    - Associations
  - Containers and Layouts
  - MVC (Model View Controller)
    - Model
    - View
    - Controller
  - Types of Views
  - Types of Models (OData Model, JSON Model)
- ❖ Models and Binding
  - Instantiation and Loading of Data
  - Accessing Model values
  - Property Binding
  - Element Binding
  - Aggregation Binding
  - Expression Binding and Calculated Fields
  - Resource Models
  - Internationalization
- ❖ Routing and Navigation
  - Routing Configuration
  - Router Initialization
- ❖ Understand FullScreen
- ❖ Understand SplitScreen
- ❖ Mock Data and Mock Server Configuration

---

### IT TRAINING & SERVICES

Regd. Office # 207, II floor, HUDA Maithrivanam, Ameerpet, Hyderabad 500 038.

Ph # +91 40 40310000, 23743392.

E-mail: enq@peerstech.com      URL: www.peerstech.com

- ❖ Debugging SAPUI5 Applications using Chrome Developer Tools
- ❖ Improving the performance of an SAPUI5 Application

### Testing:

- ❖ SAPUI5 Application Unit testing with QUnit
- ❖ SAPUI5 Application Integration Testing using OPA5(One Page Acceptance test)
- ❖ Test Automation Tools by SAP for SAPUI5.

- Creating LPD\_CUST Target Mappings
- Using the UI Theme Designer
- Customizing and extending Standard Fiori Apps
- Fiori Launchpad Designer
- Configuring Custom SAPUI5 app in Fiori Launchpad

- ❖ Project: End to End SAPUI5 Application with Code Explanation
- ❖ Interview Guidance – topics
- ❖ Real time Scenarios and Solutions

### OData and SAP NetWeaver Gateway

- SAP Gateway Overview
- OData Overview
  - Introduction to REST
  - Introduction to OData
  - Performing OData operations
  - Performing OData Queries
- SAP Gateway Service Implementation
  - Implementing a Gateway Service
  - Defining a Data Model
  - Implementing Read Operations
  - Implementing Navigation
  - Implementing Query Options
  - Implementing Write Operations
  - CRUD operations in the Frontend and Backend
  - Redefining a Gateway Service
  - Function Imports
  - Registering, Maintaining and Consuming OData Service

### SAP Fiori:

- Explore the Design of SAP Fiori
- Explore the SAP Fiori Launchpad
- Personalize SAP Fiori
- Fiori Design Guidelines
- Fiori Architecture
- Types of Fiori Apps
- Fiori Launchpad Configurations
- Create SAP Fiori Catalogs

---

## IT TRAINING & SERVICES

Regd. Office # 207, II floor, HUDA Maithrivanam, Ameerpet, Hyderabad 500 038.

Ph # +91 40 40310000, 23743392.

E-mail: enq@peerstech.com URL: www.peerstech.com