

UX402: Advanced SAPUI5 Development

Course 8245 – 40 Hours

Overview

This course is designed to give participants the opportunity to gain a much deeper and advanced understanding of the SAP SAPUI5 development framework and overall SAP User Experience design principles and tools for building more advanced level robust SAP Fiori apps. Learners will engage in coding with MVC advanced UI Controls, gain an understanding of basic and advanced data handling techniques, perform application extensibility, and explore advanced scenarios with working in teams via GIT.

By way of hands-on exercises, learners will gain practical experience while they build their own SAP Fiori applications using SAP SAPUI5 and cloud-based development tools. These hands-on exercises will also give learners a competitive head start into the framework's more advanced development features.

On Completion, Delegates will be able to

- Describe the basic and advanced features of the SAP SAPUI5 framework
- Explain the SAPUI5 application architectures
- Perform advanced development techniques
- Experience working in teams with GIT in SAP SAPUI5 projects
- Develop custom SAP Fiori applications using SAP Cloud Platform, SAP SAPUI5, Web IDE, and other tools and services available for developers

Who Should Attend

- Application Consultant
- Developer
- Development Consultant
- Enterprise Architect
- Solution Architect
- Technology Consultant

Prerequisites

Essential

- [SAPX01](#)
- [UX100](#)
- [UX400](#)

Recommended

- [GW100](#)

Course Contents

- SAP User Experience and SAPUI5 Strategy
 - SAP User Experience Strategy
 - SAP User Experience Tools and Technologies
 - SAP User Experience Use Case for Building Fiori-like Apps
- MVC Review and Advanced UI Controls
 - Performing an MVC Architecture Review
 - Binding Data to a UI5 Control
 - Describing Best Practices for SAPUI5 Applications
 - Implementing App Navigation
 - Implementing a Full-screen Application
 - Implementing a Master-Detail Application
 - Working with Messages
 - Describing Key Responsive Design Controls
 - Extending Standard Controls
 - Describing Custom Controls
 - Creating Control and Component Libraries
 - Implementing Unit Tests with Qunit
 - Implementing One-Page Acceptance (OPA) Tests
- Advanced Data Handling
 - Describing Remote vs. Local OData Services
 - Working with the MockServer
 - Working with the ODataModel
 - Describing OData Deep Inserts
 - Introducing SAPUI5 Smart Controls
 - Working with SAPUI5 Smart Controls
 - Introducing SAP Fiori Elements
- Application Extensibility. Introduction
 - Explaining Extension Points
 - Describing Other Types of Extensibility in SAPUI5
- Version Control - Working in Teams
 - Working with GIT
 - Working with GIT Repositories
 - Working with Branches