

# SAPUI5 User Experience Advanced Development

## SAPX06



### Introduction

This course is designed to give participants the opportunity to gain a much deeper understanding of the SAP User Experience design methodology, the SAPUI5 framework, and the overall SAP UX design principles for building Fiori Apps. Learners will engage in coding with MVC advanced UI Controls, gain an understanding of advanced data handling techniques, perform application extensibility, and explore advanced deployment options. During the course, learners will gain practical experience while they build their own SAP Fiori-like mobile and web application using SAP's Fiori design guidelines and SAPUI5. The hands-on exercises performed in class will give participants a competitive head start into the framework's more advanced development features.

### Content

Duration: 3 days

- SAP User Experience and SAPUI 5 Strategy
- Describe SAP User Experience design methods for SAP Fiori-like Application
- Explain how SAPUI5 Aligns with the Overall SAP User Experience strategy for Online and Mobile Apps
- Describe Use Cases for Fiori Apps
- MVC Review and Advanced UI Controls
- Describe MVC and Application Architecture Best Practices
- Bind Data to a SAPUI5 Control
- Explain the role of SAP Gateway for Data Access
- Review the OData Model
- Describe SAPUI5 Best Practices for Application Development
- Explain Advanced Features of the Standard UI Controls
- Describe Key Responsive Design Controls
- Describe how to Leverage the Features of the Standard Controls in the SAPUI5 Framework
- Describe how to Implement Custom Controls using the SAPUI5 Framework
- Advanced Data Handling
- Describe how to Access Backend Data by the Way of OData-specific Data Binding Feature

- Implement Data Binding using XML Data
- Describe the OData Write-Support
- Describe and Perform Tasks Associated with Adding, Updating and Deleting Backend Data from within a SAPUI5 Application
- Implement a Facet Filter Control
- Implement in App Navigation and Deep Linking
- Application Extensibility
- Explain Extension Capabilities in SAPUI5
- Describe Other Types of Extensibility in SAPUI5 Application
- Deployment Options
- Describe the SAP HANA Cloud Platform Deployment Options for SAPUI5 Applications
- Explore the Disparate ABAP Deployment Options for SAPUI5 Applications
- Perform Kapsel Integration

## Goals

- Describe the advanced features of the SAP SAPUI5 Framework
- Explain the SAPUI5 application architectures
- Perform advanced development techniques
- Describe deployment methods for SAP SAPUI5 projects
- Develop custom SAP Fiori-like web and mobile applications

## Prerequisites

## Additional Education

- SAP Fiori
- SAPUI5

## Variants

- On Site
  - on request | Price: on request
- London
  - on request | Price: on request
- Birmingham
  - on request | Price: on request
- Bristol
  - on request | Price: on request
- Cardiff
  - on request | Price: on request
- Copenhagen
  - on request | Price: on request
- Glasgow
  - on request | Price: on request
- Manchester
  - on request | Price: on request
- Oslo
  - on request | Price: on request
- Stockholm
  - on request | Price: on request