

# SAPUI5 User Experience Development

## SAPX05



### Introduction

This course is designed to give participants a foundational understanding of the SAPUI5 framework. Upon completion of this course, learners will gain experience with the framework and the tools needed to develop SAP Fiori-like desktop and mobile applications that adhere to the SAP's User Experience design strategy. The development of applications will be performed on both the Eclipse and SAP Web IDE platforms to give learners a variety of options in their own development efforts.

### Content

Duration: 3 days

- SAPUI5 Overview
- Describing SAP User Experience
- Understanding SAPUI5 Architecture
- SAPUI5 Development Options
- Working with SAPUI5 in Eclipse
- Setting up a HANA Cloud Platform Account
- Exploring the Basics of SAP WEB IDE
- SAPUI5 Project Basics
- Using the Model View Controller (MVC) Design Pattern
- Creating a WEB IDE Project
- Applying SAPUI5 Programming Basics
- SAPUI5 Controls
- Describing SAPUI5 UI Controls
- SAPUI5 Application Debugging
- Using Browser-based Debugging Tools
- Exploring Available SAPUI5 Documentation
- Exploring SAP Web IDE Code Assist
- Layouts and Custom Controls
- Using Layouts and UI Areas
- Creating Custom Controls
- Data Handling
- Exploring Model Types

- Performing Binding Operations
- Performing Property Binding Operations
- Performing Advanced Binding Techniques
- Performing OData Query Options
- Performing Common Data Operations: Format
- Performing Common Data Operations: Sort and Filter
- Performing Common Data Operations: Calculated Fields and Data Validation
- Additional SAPUI5 Development Features
- Working with Resources
- Building Apps Using Modularization
- Performing Application Localization
- Working with Components
- Working with Charts
- Using Third-party Libraries
- Optimizing SAPUI5 Apps
- SAPUI5 Branding
- Using Themes in SAPUI5
- Adding Styles to an Application

## Goals

- Perform design decisions for SAPUI5 desktop and mobile applications
- Develop desktop and mobile applications using the SAP SAPUI5 framework, Eclipse and SAP Web IDE
- Create the necessary HANA Cloud Platform account to configure HCPms

## Prerequisites

SAPX04 or equivalent JavaScript and HTML5 experience

## Additional Education

- SAP Fiori
- SAP 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

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