

Advanced SAPUI5 Development

Course Summary

Objectives

At the end of this course, students 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 SAPUI5 projects.
- Develop custom SAP Fiori applications using SAP Cloud Platform, SAP SAPUI5, SAP Business Application Studio, and other tools and services available for developers.

Topics

- SAP User Experience and SAPUI5 Strategy
- MVC Review and Advanced UI Controls
- Advanced Data Handling
- Application Adaption and Extension – Introduction
- Version Control – Working in Teams

Audience

Those who can benefit from this Advanced SAPUI5 Development course include:

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

Prerequisites

Essential:

- SAP User Experience Fundamentals and Best Practices
- SAP Fiori
- Developing UIs with SAPUI5

Recommended:

- SAP Gateway

Duration

Five days

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Course Outline

I. SAP User Experience and SAPUI5 Strategy

II. MVC Review and Advanced UI Controls

- A. Databinding Review
- B. Best practices SAPUI5
- C. SAPUI5 navigation concept
- D. Implementing Full-screen Application
- E. Implementing Master-Detail Application
- F. Working with Messages
- G. Implementing Responsive behavior
- H. Extending Standard controls
- I. Describing custom controls
- J. Implementing XML Composite Controls
- K. Creating Control and Component Libraries
- L. Implementing QUnit and One-Page Acceptance Tests

III. Self Service Composition Environment

- A. Describing Remote vs. Local Data
- B. Working with Mock Server
- C. Working with ODataModel
- D. Describing OData Deep Insert
- E. Working with SAPUI5 Smart Controls
- F. Introduction into SAP Fiori Elements

IV. Energy Monitoring and Analytics

- A. Introduction into SAP Flexibility
- B. Explaining Extension Points
- C. Describing other Types of Extensibility

V. SAP MII Web Development Using Web IDE

- A. Working with GIT
- B. Working with GIT Repositories
- C. Working with Branches