

UX402

Advanced SAPUI5 Development

COURSE OUTLINE

Course Version: 22

Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation	
Demonstration	
Procedure	
Warning or Caution	
Hint	
Related or Additional Information	
Facilitated Discussion	
User interface control	<i>Example text</i>
Window title	<i>Example text</i>

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Developer
- Enterprise Architect
- Solution Architect

Lesson 1: Describing SAP User Experience Strategy

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAP User Experience design methods for SAP Fiori-like application

Lesson 2: Explaining SAP User Experience Tools and Technologies

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how SAPUI5 aligns with the overall SAP User Experience strategy for online and mobile apps

Lesson 3: Describing SAP User Experience Use Case for Building Fiori-like Apps

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Use cases for Fiori-Like Apps

Lesson 1: Performing an MVC Architecture Review

Lesson Objectives

After completing this lesson, you will be able to:

- Describe MVC and application architecture best practices

Lesson 2: Binding Data to a UI5 Control

Lesson Objectives

After completing this lesson, you will be able to:

- Bind Data to a UI5 Control

Lesson 3: Describing Best Practices for SAPUI5 Applications

Lesson Objectives

After completing this lesson, you will be able to:

- Describe SAPUI5 best practices

Lesson 4: Implementing App Navigation

Lesson Objectives

After completing this lesson, you will be able to:

- Implement in App Navigation and deep Linking

Lesson 5: Implementing a Full-screen Application

Lesson Objectives

After completing this lesson, you will be able to:

- Implement a full-screen application

Lesson 6: Implementing a Master-Detail Application

Lesson Objectives

After completing this lesson, you will be able to:

- Implement a Master-Detail-Application

Lesson 7: Working with Messages

Lesson Objectives

After completing this lesson, you will be able to:

- Work with Messages

Lesson 8: Describing Key Responsive Design Controls

Lesson Objectives

After completing this lesson, you will be able to:

- Describe Key Responsive Design Controls

Lesson 9: Extending Standard Controls

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how to leverage the features of the standard controls in the SAPUI5 framework

Lesson 10: Describing Custom Controls

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how to implement custom controls using the SAPUI5 framework

Lesson 11: Creating Control and Component Libraries

Lesson Objectives

After completing this lesson, you will be able to:

- Create a control or component library

Lesson 12: Implementing Unit Tests with Qunit

Lesson Objectives

After completing this lesson, you will be able to:

- Implement unit tests

Lesson 13: Implementing One-Page Acceptance (OPA) Tests

Lesson Objectives

After completing this lesson, you will be able to:

- Implement OPA tests

Lesson 1: Describing Remote vs. Local OData Services

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how to access back-end data using the OData-specific data binding feature

Lesson 2: Working with the MockServer

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the Mock Server

Lesson 3: Working with the ODataModel

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the OData Model

Lesson 4: Describing OData Deep Inserts

Lesson Objectives

After completing this lesson, you will be able to:

- Describe OData Deep Inserts

Lesson 5: Introducing SAPUI5 Smart Controls

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAPUI5 Smart Controls

Lesson 6: Working with SAPUI5 Smart Controls

Lesson Objectives

After completing this lesson, you will be able to:

- Use SAPUI5 Smart Controls

Lesson 7: Introducing SAP Fiori Elements

Lesson Objectives

After completing this lesson, you will be able to:

- Get an Introduction to SAP Fiori Elements

Lesson 1: Introducing SAPUI5 Flexibility

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAPUI5 Flexibility

Lesson 2: Explaining Extension Points

Lesson Objectives

After completing this lesson, you will be able to:

- Explain Extension Capabilities in SAPUI5

Lesson 3: Describing Other Types of Extensibility in SAPUI5

Lesson Objectives

After completing this lesson, you will be able to:

- Describe other Types of Extensibility in SAPUI5 Application

Lesson 1: Working with GIT

Lesson Objectives

After completing this lesson, you will be able to:

- Understand GIT and how it is used

Lesson 2: Working with GIT Repositories

Lesson Objectives

After completing this lesson, you will be able to:

- Use GIT repositories

Lesson 3: Working with Branches

Lesson Objectives

After completing this lesson, you will be able to:

- Use GIT branches