

Advanced SAPUI5 Development - UX402

Course Duration: 40 Hours

Course Code : UX402

1. Course Overview

The **Advanced SAPUI5 Development (UX402)** course is designed for developers who want to deepen their expertise in building enterprise-ready applications using **SAPUI5**. It covers advanced development concepts, including custom controls, component-based architecture, responsive design, and best practices for performance optimization. Participants will gain hands-on experience in extending standard applications, integrating OData services, and applying modern UI/UX principles to create scalable and maintainable SAP Fiori applications.

2. What You'll Learn

- Advanced concepts of **SAPUI5 application development**.
- Using **components and modules** for scalable application architecture.
- Developing and integrating **custom controls**.
- Applying **responsive and adaptive UI design**.
- Binding and handling **OData services** effectively.
- Debugging, testing, and optimizing SAPUI5 applications.
- Implementing **best practices for SAP Fiori app development**.

3. Target Audience

- SAPUI5 and SAP Fiori developers.
- Application consultants working on **SAP S/4HANA extensions**.
- Technical project team members.
- Developers aiming to advance their skills in **SAPUI5 and Fiori app development**.

4. Pre-Requisites

- Basic knowledge of **SAPUI5 fundamentals** (UX100 / equivalent).
- Experience with **JavaScript, HTML5, CSS, and MVC architecture**.
- Familiarity with **SAP Gateway and OData services**.

5. Course Content

Module 1: Overview of Advanced SAPUI5 Features

Module 2: Component-Based Application Development

Module 3: Custom Control Development and Extension

Module 4: Data Binding, OData Services, and Integration

Module 5: Responsive and Adaptive UI Design Principles

Module 6: Debugging, Testing, and Performance Optimization

Module 7: Extending Standard SAP Fiori Applications

Module 8: Best Practices and Project Guidelines