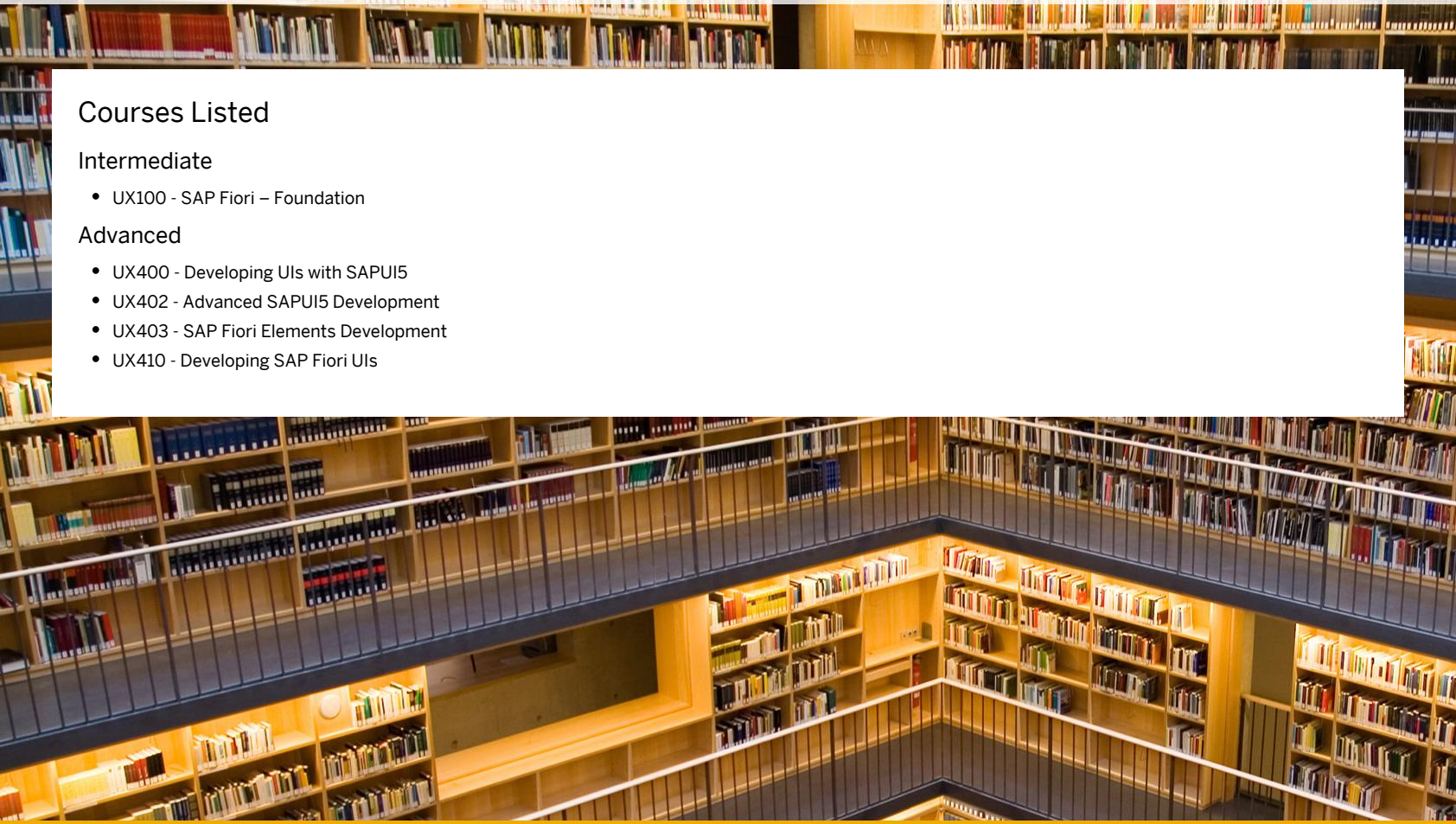
COURSE LISTING

Training for Database & Technology with Design in User Experience



Courses Listed

Intermediate

- UX100 - SAP Fiori – Foundation

Advanced

- UX400 - Developing UIs with SAPUI5
- UX402 - Advanced SAPUI5 Development
- UX403 - SAP Fiori Elements Development
- UX410 - Developing SAP Fiori UIs

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All available schedules in your selection

UX410 Developing SAP Fiori UIs

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

UX403 SAP Fiori Elements Development

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

UX400 Developing UIs with SAPUI5

There are currently no events available for this course. Please feel free to register interest for this course on SAP Training. We will then notify you when a course has been scheduled.

UX100 SAP Fiori – Foundation

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UX402 Advanced SAPUI5 Development

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UX410 - Developing SAP Fiori UIs

Course announcements

- This is an advanced level course designed to give participants a much deeper learning experience into SAP's User Experience design methodology, the SAPUI5 framework, and the overall SAP UX design principles for building consumer-grade SAP Fiori UIs.
- Participants will gain practical hands-on experience while they explore more advanced features for building their own SAP Fiori Uis using on an SAP S /4HANA backend. The primary tools used in this course are SAP Business Technology Platform, SAP Business Application Studio and SAPUI5.

Goals

- This course will prepare you to:
- Describe design guidelines for SAP Fiori
- Develop UIs according to SAP Fiori App Types
- Develop custom SAP Fiori UIs using SAP Business Technology Platform, SAP Business Application Studio, and SAPUI5
- Enhance SAP Fiori UIs
- Learn SAP Fiori Elements

Audience

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

Essential

- UX100
- UX400
- UX402

Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56
- SAPUI5 1.96
- SAP Fiori 3

Content

- SAP Fiori Launchpad
- SAP Fiori Design Guidelines
- Patterns
- App Types
- UIs according SAP Fiori App Types
- Transactional UIs
- Fact Sheet UIs
- Analytical UIs
- UI2 Services
- Enhancing SAP Fiori UIs
- View Extension
- View Modification
- View Replacement
- Controller Extension

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- Introduction into SAP Fiori Elements
- Development Infrastructure

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UX403 - SAP Fiori Elements Development

Course announcements

- This course is designed to give participants the opportunity to gain the overall understanding and hands on experience of SAP Fiori Elements in their development efforts to create more robust and visually appealing SAP Fiori applications with less effort than freestyle Fiori development. The course will cover SAP's User Experience design methodology and the overall SAP Fiori Elements design principles, templates and tools for building SAP Fiori apps.
- By way of hands-on exercises, learners will gain practical experience while they build their own SAP Fiori applications using the following floorplan: List Report; Object Page; Overview Page; and Advanced features of List Report and Object Page.

Goals

- This course will prepare you to:
- Explain the SAP User Experience strategy and guidelines
- Describe SAP Fiori Elements and its architecture
- Explain OData Annotation
- Learn to use the SAP Guided Development of SAP Business Application Studio
- Write annotations for an OData Service
- Explain the Smart Control and how the Smart Control works with OData Annotation
- Work with Fiori Elements to support the creation of simple to advanced SAP Fiori reporting apps
- Explore the fundamentals of List Report, Object Page, Overview Page, Analytic List Page, and advanced usages of List Report and Object Page
- Learn how to adapt and extend SAP Fiori Elements applications

Audience

- Application Consultant
- Solution Architect
- Developer
- Developer Consultant
- User Experience Designer

Essential

- UX100

Course based on software release

- SAP Fiori 3.0
- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56

Content

- SAP UX Strategy
- Describe SAP User Experience Strategy
- Explain SAP User Experience Tools and Technologies
- Describe SAP User Experience Use Case for Building Fiori-like Apps

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- SAP Fiori Elements, Overview
- Explain the concept of Fiori Elements
- Explain the concept of annotations of OData services
- Explain the Concept of Smart Control
- Explain Templates for Fiori Elements
- Explore the Development Environment
- Explore the basic process of building Fiori Elements Application
- Use the CDS View and SADL
- Use SADL
- Explain Metadata Extension
- Learn about Scenarios of Fiori Elements Implementation
- List Report
- Explain Basic Annotations for List Report
- Use Searching and Filtering data
- Provide the value help
- Explain Variant Management
- Object Page
- Use Basic Annotations for Object Page
- Use Header Facets for Object Page
- Use Sections and Facets in Object Pages

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- Advanced Topics of List Report and Object Page
- Explain the navigation concept and annotations
- Describe options of external navigation
- Use data visualization
- Create charts
- Perform CRUD operations with BOPF
- Overview Page
- Get an overview of the Overview Page (OVP)
- Implementing Overview Pages
- Analytic List View
- Get an overview of the Analytical List Page
- Implement Analytic List Page
- Adapt and extend SAP Fiori Element application
- Get an overview on how to adapt and extend SAP Fiori Element applications

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UX400 - Developing UIs with SAPUI5

Course announcements

- The course is designed to give participants foundational knowledge and experience with SAPUI5. The course will begin with an introduction to SAP's UX strategy, then move on to fundamental and complex SAPUI5 topics. It is assumed that learners are already familiar with web technologies such as HTML and JavaScript. There will be hands-on exercises performed during the course to gain experience with the SAPUI5 topics covered in the course. This course is a prerequisite course for more advanced courses on SAPUI5 and SAP Fiori development.

Goals

- This course will prepare you to:
- Describe SAP's UX strategy
- Describe SAPUI5
- Use the SAP Business Application Studio
- Load and initialize SAPUI5
- Modularize SAPUI5 applications
- Use XML views and view controllers
- Implement and use components
- Adapt applications to different device types
- Work with XML fragments
- Implement models and data binding
- Internationalize applications
- Consume OData services
- Use the routing and navigation features of SAPUI5

Audience

- Developer
- Developer Consultant

Essential

- Learning Journey Getting Started with UX

Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56
- SAPUI5 1.96

Content

- SAP's UX Strategy
- SAPUI5 Overview
- SAP Business Application Studio
- Loading and Initializing SAPUI5
- Modules and Dependencies
- Views and Controllers
- Components
- Implementing the UI
- Fragments
- Models and Data Binding
- Localization
- OData Services
- OData Model
- Routing and Navigation

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Notes

- The course is also suitable for participants who are using a SAPUI5 version other than 1.96

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UX100 - SAP Fiori – Foundation

Course announcements

- This course provides participants with an overview of technologies used with SAP Fiori. It covers the design principles, usage, and personalization of the SAP Fiori launchpad, introduction to SAPUI5 and SAP Gateway, as well as understanding and handling of application types with the SAP Fiori apps reference library. Various architectures will be covered including SAP Fiori for ABAP Platform on any database and on SAP HANA (deployment options, maintenance), SAP Fiori for SAP S/4HANA (Embedded Analytics, Enterprise Search), and SAP Fiori development (ABAP CDS Views, SAP Fiori elements). Participants will then learn configuration topics, such as SAP Fiori content model (spaces, groups, business catalogs), intent-based navigation (tiles, target mappings), and catalog types (standard, replicable, back-end). Concerning further content administration, participants learn about the rapid activation for SAP Fiori, SAP Fiori launchpad configuration options, and SAP Fiori troubleshooting. Creating themes for SAP Fiori, adapting SAP Fiori apps at runtime, and enhancing the SAP Fiori launchpad are additional hands-on exercises. For using SAP Fiori on mobile devices, participants learn the options for SAP Mobile Start, SAP Mobile Services, SAP Mobile Cards, as well as SAP Fiori for Android and iOS. Integration related topics will also be discussed, such as SAP Business Technology Platform (BTP) and SAP Launchpad service.

Goals

- This course will prepare you to:
- Work with SAP Fiori Applications
- Understand the architecture and principles of SAP Fiori
- Configure and customize SAP Fiori
- Adapt and mobilize SAP Fiori applications
- Integrate SAP Fiori in different environments

Audience

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

Essential

- SAPTEC

Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56
- SAP Fiori 3
- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56

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- SAP Fiori 3

Content

- End-User Perspective
- SAP Fiori Design and SAP Fiori Launchpad
- Personalization and Data Handling
- Technology
- User Interface and Data Services
- Application Types and SAP Fiori App Recommendations
- Architecture
- ABAP Platform and SAP HANA
- SAP S/4HANA and SAP Fiori Development
- Content Management
- Spaces, Groups, and Catalogs
- SAP Fiori Launchpad Content and Application Manager
- Catalog Types and App Descriptors
- Tiles and Target Mappings
- Content Administration
- Rapid Activation and Predefined Roles
- Launchpad Configuration and Troubleshooting
- Adaptation
- UI Theme Designer
- Adapt and Extend SAP Fiori Launchpad

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- Mobility
- SAP Fiori Mobile
- SAP Fiori for iOS
- Integration
- SAP Business Technology Platform
- SAP Build Work Zone, standard edition

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UX402 - Advanced SAPUI5 Development

Course announcements

- This course is designed to give participants the opportunity to gain a much deeper and advanced understanding of the SAPUI5 development framework and overall SAP User Experience design principles and tools for building more advanced level robust SAP Fiori apps. Learners will engage in coding with MVC advanced UI Controls, gain an understanding of basic and advanced data handling techniques, perform application extensibility, and explore advanced scenarios with working in teams via GIT.
- By way of hands-on exercises, learners will gain practical experience while they build their own SAP Fiori applications using SAPUI5 and cloud-based development tools. These hands-on exercises will also give learners a competitive head start into the framework's more advanced development features.

Goals

- This course will prepare you 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 Business Technology Platform, SAP SAPUI5, SAP Business Application Studio, and other tools and services available for developers

Audience

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

Essential

- UX100
- UX400

Course based on software release

- SAP S/4HANA 2021
- ABAP Platform 2021
- AS ABAP 7.56
- SAPUI5 1.96

Content

- SAP User Experience and SAPUI5 Strategy

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- MVC Review and Advanced UI Controls
- Databinding review
- Best practices SAPUI5
- SAPUI5 navigation concept
- Implementing Full-screen Application
- Implementing Master-Detail Application
- Working with Messages
- Implementing Responsive behavior
- Extending Standard controls
- Describing custom controls
- Implementing XML Composite Controls
- Creating Control and Component Libraries
- Implementing QUnit and One-Page Acceptance Tests
- Advanced Data Handling
- Describing Remote vs. Local Data
- Working with Mock Server
- Working with ODataModel
- Describing OData Deep Insert
- Working with SAPUI5 Smart Controls
- Introduction into SAP Fiori Elements

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- Application Adaption and Extension – Introduction
- Introduction into SAP Flexibility
- Explaining Extension Points
- Describing other Types of Extensibilities
- Version Control – Working in Teams
- Working with GIT
- Working with GIT Repositories
- Working with Branches

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