UX100 SAP Fiori - Foundation

Goals

• This course will prepare you to:
  – Work with SAP Fiori Applications
  – Understand and leverage the architectures and principles of SAP Fiori and SAP UX Design
  – Configure and customize SAP Fiori
  – Connect SAP Fiori with other technologies

Audience

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

Prerequisites

Essential
• SAPX01
• SAPTEC
UX100 SAP Fiori - Foundation (Contd...)

**Recommended**
- None

**Course based on software release**
- SAP S/4HANA 1610
- AS ABAP 7.51

**Content**
- **End-User Perspective**
  - Explore the Design of SAP Fiori
  - Explore the SAP Fiori Launchpad
  - Explore SAP Fiori Data Handling
  - Personalize SAP Fiori
- **Technology**
  - Explain User Interfaces
  - Explain Data Services
  - Explain Application Types
- **Architecture**
  - Examine SAP Fiori for Suite on Any DB
  - Examine SAP Fiori for Suite on HANA
  - Examine SAP Fiori for S/4HANA
  - Examine SAP Fiori Mobile
- **Mobility**
  - Examine SAP Fiori Mobile
  - Examine SAP Fiori for iOS
- **Configuration**
  - Create SAP Fiori Groups
  - Reference SAP Fiori Catalogs
  - Create SAP Fiori Catalogs
  - Create LPD_CUST Target Mappings
  - Create SAPUI5 Fiori Target Mappings
  - Create Web Dynpro Target Mappings
  - Create Transaction Target Mappings
  - Configure Analytical Applications
- **Adaptation**
  - Use the UI Theme Designer
  - Use SAP Screen Personas
  - Adapt SAP Fiori Apps at Runtime
  - Extend SAP Fiori
- **Integration**
  - Integrate SAP Workflow
  - Operate SAP Fiori Standalone
  - Explore SAP Cloud Platform

**Notes**
- This course is currently in production to be released in Q3/2017.
UX402 Advanced SAPUI5 Development

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 SAP SAPUI5 projects
  – Develop custom SAP Fiori applications using SAP Cloud Platform, SAP SAPUI5, Web IDE, and other tools and services available for developers

Audience
• Application Consultant
• Developer
• Development Consultant
• Enterprise Architect
• Solution Architect
• Technology Consultant

Prerequisites
Essential
• SAPX01
• Ux100
• Ux400

Recommended
• Gw100

Course based on software release
• SAP SAPUI5 1.56 (or greater) on WTS SAP S4HANA 1709 FPS01

Content
• SAP User Experience and SAPUI5 Strategy
  – SAP User Experience Strategy
  – SAP User Experience Tools and Technologies
  – SAP User Experience Use Case for Building Fiori-like Apps
• MVC Review and Advanced UI Controls
  – Performing an MVC Architecture Review
  – Binding Data to a UI5 Control
  – Describing Best Practices for SAPUI5 Applications
  – Implementing App Navigation
  – Implementing a Full-screen Application
  – Implementing a Master-Detail Application
  – Working with Messages
  – Describing Key Responsive Design Controls
  – Extending Standard Controls
  – Describing Custom Controls
  – Creating Control and Component Libraries
  – Implementing Unit Tests with Qunit
  – Implementing One-Page Acceptance (OPA) Tests
UX402 Advanced SAPUI5 Development (Contd...)

• Advanced Data Handling
  – Describing Remote vs. Local OData Services
  – Working with the MockServer
  – Working with the ODataModel
  – Describing OData Deep Inserts
  – Introducing SAPUI5 Smart Controls
  – Working with SAPUI5 Smart Controls
  – Introducing SAP Fiori Elements

• Application Extensibility. Introduction
  – Explaining Extension Points
  – Describing Other Types of Extensibility in SAPUI5

• Version Control - Working in Teams
  – Working with GIT
  – Working with GIT Repositories
  – Working with Branches

UX403 SAP Fiori Elements Development

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 Annotation Editor in SAP Web IDE
  – 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

Audience
• Developer
• Development Consultant
• Application Consultant
• Solution Architect
• User Experience Designer

Prerequisites
Essential
• Ux100

Recommended
• S4D430

Course based on software release
• SAP Fiori 2.0 & SAP S/4HANA 1709
UX403 SAP Fiori Elements Development (Contd...)

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
• 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
• 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 CURD operations with BOPF
• Overview Page
  – Get an overview of the Overview Page (OVP)
• Analytic List View
  – Get an overview of the Analytical List Page

UX410 Developing SAP Fiori UIs

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 HANA Cloud Platform, Web IDE, and SAPUI5
  – Enhance SAP Fiori UIs
  – Learn SAP Fiori Elements
UX410 Developing SAP Fiori UIs (Contd...)

Audience
• Application Consultant
• Solution Architect
• Developer
• Developer Consultant
• Enterprise Architect
• Technology Consultant

Prerequisites
Essential
• SAPX01
• Ux009s
• Ux100
• Ux400
• Ux402

Recommended
• Gw100

Course based on software release
• SAP S/4HANA 1610
• WTS to enable SCP and Web IDE development

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
• Introduction into SAP Fiori Elements
• Development Infrastructure
• Introduction to native Fiori Development
UX412 Mobilizing SAP Fiori Standard Apps

Goals
• This course will prepare you to:
  – Describe the basics of Fiori and SAPUI5
  – Understand Mobilizing Fiori (HAT)
  – Use the HAT plugin
  – Work in the HCP and HCPms environments
  – Enable HAT on Mac for iOS mobile app development
  – Describe Fiori CRM Apps
  – Use the Kapsel Plugins
  – Use the Kapsel Offline Plugins
  – Perform Push Notifications
  – Enable push for iOS Devices
  – Use Fiori Mobile Services

Audience
• Developer
• Developer Consultant
• Solution Architect
• Enterprise Architect
• Technology Consultant

Prerequisites
Essential
• SAPX01
• UX009s
• UX100
• UX400
• UX402
• UX410
• UX411s

Recommended
• GW100

Course based on software release
• One single VM with below SW installed to enable HCPms development.
  • Node.js 0.12.9
  • JDK 1.8
  • Cordova 5.4.1 (use npm)
  • Git 2.8.1
  • Apache Ant 1.8
  • Android SDK 5.1.1 (API Level 22)
  • HAT Tool
  • SMP3.0 SDK SP11 for Kapsel
UX412 Mobilizing SAP Fiori Standard Apps (Contd...)

Content

• Overview Mobilizing Fiori (HAT)
  – Explain the basics of Fiori and SAPUI5
  – Describe the steps to Mobilizing Fiori (HAT)
  – Use the HAT plugin
  – Gain an overview of HCPms
  – Enable HAT on Mac

• Overview HCPms and Offline
  – Outline the Fiori CRM Apps
  – Use Kapsel Plugins
  – Use Kapsel Offline Plugins

• Push Notifications
  – Use Push Notifications
  – Enable push for iOS Devices

• Fiori Mobile Services
  – Work in the Fiori Mobile Services environment