

C_FIORD: SAP Fiori and SAPUI5 Application Developer

Build, test and deploy SAP Fiori apps with SAPUI5 and Fiori elements, and prepare for the SAP Fiori developer exam.

DURATION

5 days · 40 hours

LEVEL

Intermediate

CURRICULUM

16 modules · 15 labs

DELIVERYLive online, Onsite,
Corporate

Course overview

SAP Fiori is the user experience for SAP S/4HANA, and companies need developers who can build apps that look and behave like the standard ones. That means SAPUI5 freestyle development for custom screens and Fiori elements for fast, annotation-driven apps. This five-day course teaches both, hands-on, in SAP Business Application Studio.

Day one introduces Fiori design principles, the Fiori launchpad and app types, and sets up your development space with Fiori tools. You will then learn the SAPUI5 architecture: bootstrapping, components, the manifest and the model-view-controller pattern with XML views.

Days two and three go deeper into freestyle SAPUI5. You will work with JSON and resource models, property, aggregation and element binding, formatters and expression binding, then connect to OData V2 and V4 services. Routing and navigation, fragments and dialogs, and responsive layouts complete the picture of a multi-page app.

Day four turns to Fiori elements. You will generate list report, object page and overview page apps, shape them with UI annotations in CDS and local annotation files, and extend them with flexible programming model building blocks and controller extensions. Day five covers testing with QUnit and OPA5, deployment to SAP BTP and the ABAP repository, launchpad configuration and exam readiness.

This course is aligned to the SAP Certified Associate – SAP Fiori Application Developer exam (C_FIORD). Ace Skills is not an SAP partner and this is not official SAP training. SAP exam codes carry a release suffix that changes, so please confirm the current code on SAP Learning before booking.

Highlights

- 40 hours of live, trainer-led sessions
- SAP Business Application Studio and Fiori tools labs
- SAPUI5 MVC, XML views, routing and data binding
- OData V2 and V4 models and Fiori elements annotations
- Deployment to BTP and the ABAP repository
- Practice questions with review

What's included

- SAP Business Application Studio dev space setup
- Freestyle SAPUI5 app built step by step
- OData V2 and V4 model labs
- Fiori elements apps driven by annotations
- QUnit and OPA5 testing practice
- Deployment and launchpad configuration walkthrough
- Course completion certificate from Ace Skills Consulting
- Post-training doubt support

Who this course is for

Who should attend

- Front-end and JavaScript developers joining SAP projects
- ABAP developers adding Fiori skills
- SAP technical consultants working on S/4HANA UX
- Graduates starting an SAP development career
- UX designers who want to understand SAPUI5 implementation

Prerequisites

- Working knowledge of HTML, CSS and JavaScript
- Basic understanding of REST or OData services
- Awareness of SAP S/4HANA is helpful but not required

Detailed curriculum — 5 days, 40 hours, 16 modules, 15 hands-on labs

Day 1 Fiori Foundations and SAPUI5 Architecture

8 hours

1.1 SAP Fiori design and launchpad

- Fiori design principles
- Floorplans and the SAP Fiori design guidelines
- Freestyle versus Fiori elements
- Fiori app types: transactional, analytical, fact sheet
- Fiori launchpad, spaces and pages

LAB Explore standard Fiori apps and floorplans · 30 min

1.2 Development environment

- SAP Business Application Studio dev spaces
- Application generator and templates
- Git integration
- SAP Fiori tools extensions
- Destinations and mock data

LAB Create a dev space and generate a basic SAPUI5 app · 45 min

1.3 SAPUI5 architecture and MVC

- Bootstrapping and libraries
- XML views and controls
- Internationalisation with resource bundles
- Component and manifest.json
- Controllers and event handling

LAB Build an XML view with a controller and i18n texts · 50 min

Day 2 Data Binding and Models

8 hours

2.1 Models

- JSON model
- Model instantiation in the manifest
- Resource model
- Default and named models

LAB Load data into a JSON model and display it · 40 min

2.2 Data binding

- Property binding
- Element and context binding
- Formatters, types and expression binding
- Aggregation binding with lists and tables
- Binding modes

LAB Bind a list and detail form with formatters · 55 min

2.3 Controls and layouts

- sap.m controls overview
- Fragments and dialogs
- Responsive layouts and flexible column layout
- Custom data and CSS theming basics

LAB Add a dialog fragment and responsive layout · 40 min

Day 3 OData Services, Routing and Navigation

8 hours

3.1 OData V2 model

- OData fundamentals and metadata
- Filtering, sorting and paging
- Batch requests
- Reading entity sets and navigation properties
- Create, update and delete operations

LAB Consume an OData V2 service with filtering and sorting · 50 min

3.2 OData V4 model

- Differences between V2 and V4
- Update groups and batch
- List and context bindings in V4
- Actions and functions

LAB Rebuild the list with an OData V4 model · 45 min

3.3 Routing and navigation

- Router configuration in the manifest
- Passing parameters
- Cross-app navigation with intents
- Routes, targets and patterns
- Not-found handling

LAB Build a master-detail app with routing · 50 min

Day 4 Fiori Elements and Annotations

8 hours

4.1 Fiori elements floorplans

- List report and object page
- Worklist pattern
- Overview page and analytical list page
- Generating apps with Fiori tools

LAB Generate a list report and object page app · 40 min

4.2 Annotations

- OData annotation vocabularies
- Selection fields and value helps
- Annotation modeller and page map
- UI.LineItem, UI.HeaderInfo and UI.Facets
- Annotations in CDS versus local files

LAB Shape the app with annotations and the page map · 55 min

4.3 Extending Fiori elements

- Flexible programming model
- Controller extensions
- Adaptation projects overview
- Building blocks
- Custom columns, sections and actions

LAB Add a custom section and action to an object page · 45 min

Day 5 Testing, Deployment, Launchpad and Exam Readiness

8 hours

5.1 Testing

- QUnit unit tests
- Mock server and mock data
- Performance best practices
- OPA5 integration tests
- Support Assistant and UI5 Inspector

LAB Write QUnit and OPA5 tests for the app · 50 min

5.2 Deployment

- Build and deployment configuration
- Deploying to the ABAP repository
- Transport of UI apps
- Deploying to SAP BTP with HTML5 repository
- Managed application router

LAB Deploy the app to SAP BTP · 45 min

5.3 Launchpad configuration

- Semantic objects, actions and target mappings
- Roles and app assignment
- Catalogues, spaces and pages
- SAP Build Work Zone overview

LAB Configure a tile and target mapping for the app · 30 min

5.4 Exam readiness

- C_FIORD topic review
- Practice questions with review
- Question styles
- Confirming the current exam release on SAP Learning

Skills and tools

Skills you will build

SAP Fiori

SAPUI5

Fiori design principles

MVC

XML views

Data binding

JSON model

OData V2

OData V4

Routing

Fiori elements

Annotations

Flexible programming model

QUnit

OPA5

Fiori launchpad

SAP BTP deployment

Tools used in class

SAP Business Application Studio

SAP Fiori tools

SAP BTP trial

SAP Fiori launchpad

UI5 Inspector

Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	SAP Certified Associate – SAP Fiori Application Developer
Exam code	C_FIORD
Official page	https://learning.sap.com/certifications

Exam skill areas covered

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Which exam code should I book?

SAP adds a release suffix to C_FIORD and updates it periodically. Confirm the current code and title on SAP Learning before booking.

Is this official SAP training?

No. It is an independent Ace Skills course aligned to the published exam topics, and Ace Skills is not an SAP partner.

What do I need for the labs?

A free SAP BTP trial with SAP Business Application Studio is enough; we help you set it up before Day 1.

Do I need ABAP knowledge?

No. The course focuses on front-end development, though awareness of CDS helps when working with annotations.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/c-fiord-sap-fiori-and-sapui5-developer · Email: info@aceskillsconsulting.com

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