

B2C Commerce Developer with SFRA (CCD102)

OEM: Salesforce • Code: CCD102

COURSE DESCRIPTION

Discover how to implement storefront reference architecture (SFRA) solutions for Salesforce business-to-consumer (B2C) Commerce storefronts. In this 4-day instructor-led course, learn how to customize SFRA while gaining foundational knowledge of core programming concepts, relevant files, and B2C Commerce scripting language.

AUDIENCE PROFILE

- This course is designed for developers who are new to Salesforce B2C Commerce storefronts and experienced developers who are interested in ramping on SFRA.
- This is also a great course for anyone who is interested in earning their Salesforce Certified B2C Commerce Cloud Developer certification.

PREREQUISITES

- Students should have at least two years of experience with Java or JavaScript programming and feel comfortable with both jQuery library and JSON syntax.
- Students using their own computer are expected to follow the steps outlined in the Computer Setup Guide.
- Complete the required Trailhead prework — "B2C Commerce Developer with SFRA (CCD102) Prework" — before the session starts.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Implement reusable functionality on a B2C Commerce site with cartridges.
- Add business logic to a B2C Commerce site using JavaScript controllers.
- Design reusable code using Internet Store Markup Language (ISML) templates.
- Improve the appearance and flexibility of a B2C Commerce site by building content slots and using Page Designer.
- Write B2C Commerce Script in ISML templates and script files.
- Leverage the Forms Framework to control validation, rendering, and storing of consumer-entered values.
- Use hooks to configure functionality that is called at a specific event.
- Access resources using Open Commerce Application Programming Interface (API) HTTP requests and responses.
- Create jobs to automate tasks and processes.
- Assess B2C Commerce site performance.
- Install SFRA command line tools to perform testing.

Module 1: Introduction to Salesforce B2C Commerce

- Discover Salesforce B2C Commerce
- Define Storefront Reference Architecture
- Understand Business Manager Organization

Module 2: Introduction to SFRA

- Access SFRA
- Create a Workspace
- Generate a Server Connection
- Navigate Cartridges

Module 3: Cartridges

- Define Cartridge Types
- Outline a Cartridge Path
- Work with Plugin Cartridges
- Use a Custom Storefront Cartridge

Module 4: Controllers

- Describe JavaScript Controllers
- Create a JavaScript Controller
- Debug Scripts and JavaScript Controller
- Define Middleware Functions
- Understand B2C Commerce Script API

Module 5: Models

- Understand Models
- Extend Models

Module 6: Internet Store Markup Language

- Recognize ISML Tags and Expressions
- Reuse Code in Templates
- Draft Conditional Statements and Loops
- Build Resource API and Resource Bundles

Module 7: Content Slots

- Create and Configure Content Slots
- Explore Content Link Functions

Module 8: Page Designer

- Harness Page Designer
- Complete Business and Developer Tasks
- Create Custom Components

Module 9: Forms Framework

- Define Custom and System Objects
- Understand an XML Metadata File
- Write a Server-Side Validation Script
- Complete the ISML Form Template
- Conduct Custom Logging
- Write a Client-Side Validation Script

Module 10: Hooks

- Define Hooks
- Create Custom Hooks

Module 11: Open Commerce API (OCAPI)

- Build Shop API
- Build Data API
- Build Meta API
- Implement OCAPI URL Syntax
- Configure OCAPI Settings
- Use API Explorer
- Make an OCAPI Call

Module 12: Jobs

- Define Job Flows
- Outline Job Steps
- Establish Job Parameters
- Create a Job

Module 13: Site Maintenance

- Cache Site and Pages
- Assess Site Performance

Module 14: Storefront Reference Architecture Tools

- Harness GitHub
- Describe NPM Tools

- Conduct Functional and Unit Tests