OutSystems Developer Cloud Associate

Becoming a Web Developer (ODC)

Duration: 3 Days

Course Description

Learn how to build incredible, web experiences. See how to get your data and show it in the screens, providing the user with the best experience while interacting with the application.

Course Outline

Module 1: ODC Studio Overview

- Getting Started with ODC Studio
- ODC Studio Walkthrough
- ODC Studio Tabs and Elements
- Quiz
- 1-Click Publish
- How to Access ODC Studio from ODC Portal
- Quiz

Module 2: Intro to OutSystems Development (ODC)

- Introducing OutSystems Developer Cloud Apps
- Modular Programming
- Demo: How to Create a Web App
- Demo: How to Create a Mobile App
- Quiz

Module 3: Modeling Data

- Modeling Data
- Database Entities
- Static Entities
- Data Modeling Exercise

Module 4: UI Development 101

- UI Development
- Widgets
- Using Widgets Exercise

Module 5: Logic

- Actions and Flows
- Exceptions
- Defining Logic Exercise

Module 6: Aggregates 101

- Aggregates 101
- Aggregates 101 Exercise

Module 7: Building Screens with Data

- Displaying Data on Screens
- List and Table Widgets
- Build a List Screen Exercise

Module 8: Modeling Data Relationships

- Data Relationships
- Modeling Data Relationships Exercise

Module 9: Data Model Integrity

- Data Model Integrity
- Demo: How To Create a Unique Index in an Entity
- Demo: How To Define Delete Rules on Foreign Keys
- Quiz

Module 10: Building Web Forms

- Building Web Forms
- Widgets
- Build a Detail Screen Exercise

Module 11: Form Validations

- Form Validations
- Form Validations Exercise

Module 12: Role-based Security

- Authorization and Authentication
- Role-based Security Exercise

Module 13: Debugging in OutSystems

- Debugging Apps
- How to Debug Logic in OutSystems
- Quiz

Module 14: Advanced Aggregates

- Advanced Aggregates
- Advanced Aggregates Exercise

Module 15: Blocks and Events

- Blocks
- Events
- Blocks Exercise

Module 16: Reactive Programming Model

- Screen Events
- Fetching Data On Demand
- Fetching Data On Demand

Module 17: Client Variables

- Client Variables
- How To Use Client Variables
- Quiz

Module 18: Settings

- Settings

Module 19: Pagination and Sorting

- Pagination
- Sorting
- Quiz
- Pagination and Sorting Exercise

Module 20: SQL Queries

- SQL Queries
- Using Custom SQL Queries Exercise