

FDC-320 Force.com: Application Laboratory



Learn how to build, deploy, and install native and composite on-demand applications in FDC-320 Force.com Application Laboratory, a comprehensive course from Successforce Education. This five-day course provides everything you need to become fluent with all of the functionality of Force.com Builder, the AppExchange marketplace, the Force.com Web Services API, and Apex, salesforce.com's own programming language.

This course addresses a realistic business scenario as a premise for learning. Participants engage in a series of hands-on exercises to create a full-featured, sophisticated Force.com application from start to finish. The course provides developers and power users with comprehensive and practical experience with the features of the Force.com platform.

Duration: 5 days

Delivery Format: Classroom

Who Should Take this Course?

This hands-on, instructor-led course is designed for developers. Other people in your organization who would benefit from this course include anyone wanting to create a custom application and needing a deep dive into all aspects of the Force.com platform—including power users, project managers, and IT managers.

Prerequisites

The recommended prerequisite skills include:

- ⌘ Knowledge of relational database design
- ⌘ Object-oriented programming principles
- ⌘ Hands-on proficiency with Java, VB.NET, or C# .NET
- ⌘ Web development experience (HTML, JavaScript, JSP/ASP, .NET)

What You Will Learn

At the end of this course, the student will be able to:

- ⌘ Build full-featured applications on the Force.com platform that are relevant to your business needs
- ⌘ Accelerate your time to market by leveraging pre-built applications and application components available on the AppExchange marketplace
- ⌘ Identify those elements of the Force.com platform most relevant to your needs
- ⌘ Understand the building blocks of native Force.com applications
- ⌘ Know when and how to use the Force.com API to build composite applications
- ⌘ Understand Apex code and its uses with the Force.com platform

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- ⌘ Become familiar with valuable resources to extend future learning

Course Outline

Introduction to Declarative Components

- ⌘ Custom Apps, Objects and Tabs
- ⌘ Custom Fields and Relationships
- ⌘ Custom Page Layouts and Record Types
- ⌘ Custom Object Queues and Workflows

Introduction to Declarative Components

- ⌘ Custom Validation Rules

Data Access and Permissions

Basic Data Management

Introduction to the Web Services API

- ⌘ Methods, Objects, and Basic Patterns of the Apex API
- ⌘ Examining Your Organization's Metadata with the Explorer

Buttons and S-Controls

- ⌘ The AJAX Toolkit
- ⌘ Standard Button Overrides
- ⌘ Custom Buttons, Custom Links

Web Controls

- ⌘ Troubleshooting Techniques
- ⌘ Integrated Web Controls

Developing for Flexibility

- ⌘ Introduction to the Partner WSDL
- ⌘ Design Pattern: X-to-Web, Web-to-X

The AppExchange Directory

- ⌘ Packaging Apps and Components for the AppExchange
- ⌘ Installing Applications and Components

Introduction to Apex

- ⌘ When to Use Apex
- ⌘ Coding in an On-Demand Environment
- ⌘ Apex Eclipse Development Environment

Invoking Apex

- ⌘ Triggers
- ⌘ Anonymous Blocks & AJAX

Apex Data Types, Variables, Expressions, Methods and SOQL

- ⌘ Collections
- ⌘ Variables and Expressions
- ⌘ Methods
- ⌘ SOQL

Apex Flow Control

- ⌘ Data Manipulation Language
- ⌘ Exceptions

Debugging Apex

- ⌘ Testing

Deploying Apex

- ⌘ Deploying and Testing API Calls

Successforce Education from Salesforce.com

Whatever your knowledge/skill need, Successforce Education can help. Look for outlines and schedules, role-based learning paths and new certification programs for administrators, developers, and end users at www.salesforce.com/education.

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