

DEV 401 - Building Applications with Force.com and Visualforce

Duration

5 days

Delivery Format

Classroom

Certification

DEV 401 prepares you to take the Salesforce.com Certified Force.com Developer exam. The exam is included in the price of the course.



Building Applications with Force.com and Visualforce is a must for application developers who want to create custom Force.com applications or customize existing Salesforce applications. Participants will learn how to use the declarative “clicks not code” capabilities of the Force.com platform to create new applications and Visualforce pages to customize the application interface.

Who Should Take this Course?

This course is for application developers who want an in-depth understanding of how to use the Force.com platform and Visualforce to create custom applications. This course provides the foundation for developers who need to know how to leverage these capabilities for rapid development and to prepare for learning the Apex programming language.

Note: This course prepares you to take the Salesforce.com Certified Force.com Developer exam. The exam is included in the price of the course.

Prerequisites

Building Applications with Force.com and Visualforce is ideal for developers who are new to Salesforce and the Force.com platform. It is recommended, but not required, that participants have some familiarity with Salesforce applications before attending the class.

What You Will Learn

When you complete this course, you will be able to:

- ⚡ Build and customize multiuser software-as-a-service (SaaS) applications with clicks rather than code
- ⚡ Define the application’s data model
- ⚡ Customize the user interface and use Visualforce Pages to create custom interfaces
- ⚡ Create advanced workflows and validations
- ⚡ Automate business processes
- ⚡ Manage your data
- ⚡ Create custom reports

REGISTER ONLINE: Check available classes at www.salesforce.com/uk/training.

To speak with a training & certification expert, contact your local salesforce.com office or call +353 1 4403333

“I have been waiting for a certification program that validates my skill set.”

— A.J. Dellicicchi
Senior Developer
Eduventures, Inc.

Course Outline: DEV 401 Building Applications with Force.com and Visualforce

Designing Applications on Force.com

- ⚡ Learn about factors to consider when building a data model
- ⚡ Develop custom objects and fields, encrypted fields, field help, and field history tracking
- ⚡ Use master detail, lookup, and many-to-many relationships
- ⚡ Create a user interface for custom applications using the Custom Object tab, Page Layout, and Customization options
- ⚡ Set field attributes on the page layout
- ⚡ Use the Custom Object queue and event-based workflow rules with field update actions
- ⚡ Develop custom formulas and validation rules

Designing Applications for Multiple Users

- ⚡ Learn about factors to consider when designing applications for multiple users
- ⚡ Create profiles, understand what a profile controls (including data access), and customize profiles to manage the user experience
- ⚡ Customize the user experience with record types and page layouts
- ⚡ Control access to records
- ⚡ Employ OWD, sharing rules and levels, roles, public groups, and manual share
- ⚡ Apply profiles, OWDs, role hierarchy, and sharing to restrict access to sensitive data
- ⚡ Apply OWDs, public groups, and manual sharing to create conditional access to data
- ⚡ Analyze suitability of FLS, page layouts, and record types to satisfy business requirements

Implementing Business Processes

- ⚡ Use the vlookup, regex, ischanged, isnew, and priorvalue functions to build business processes
- ⚡ Use validation rules to enforce conditional required behavior
- ⚡ Use functions to enforce data format and data consistency
- ⚡ Implement multistep approval workflows and escalations to automate business processes
- ⚡ Create parallel approval workflows and workflow approvals with dynamic approval routing
- ⚡ Use outbound messages as part of an approval workflow
- ⚡ Establish approval workflow criteria with cross-object formulas
- ⚡ Set up field history tracking to audit processes
- ⚡ Learn techniques to prevent or record data changes

Managing Data

- ⚡ Learn when and how to use upsert
- ⚡ Use data management tools and the capabilities of API-based tools
- ⚡ Configure the Data Loader via command line
- ⚡ Encrypt passwords using encrypt.bat
- ⚡ Use the Data Loader to create mapping files and to upsert data

Visualforce Pages

- ⚡ Learn about the capabilities of the Visualforce framework
- ⚡ Incorporate Visualforce pages into Salesforce
- ⚡ Construct expression bindings and incorporate Salesforce into Visualforce pages with Visualforce tags
- ⚡ Use Visualforce tags to create page layouts, input forms, output tables, custom components, and more
- ⚡ Create partial page refreshes on JavaScript events
- ⚡ Learn about the functionality that comes with Visualforce standard controllers
- ⚡ Find out when to move to Apex for creating custom controllers or extensions

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