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# Build Applications Programmatically on the Salesforce Platform (DEX450)

ID DEX450 Price on request Duration 5 days

## Who should attend

This course is designed for programmatic developers who are new to the Force.com platform, who need to be able to write programmatic customizations to both the business logic and user interface layers using Apex and Visualforce.

## This course is part of the following Certifications

Salesforce Certified Platform Developer I (SFCPDI)

## Prerequisites

The prerequisites include a solid understanding of basic Salesforce concepts and functionality and:

- 1 year programming in Java (or another object-oriented programming language)
- Basic data modeling for relational databases
- Basic SQL
- Basic HTML
- Basic JavaScript

- Objects and Fields
- Work Effectively with Custom Objects and Fields
- Programming with Apex
- Use SOQL to Query Your Org's Data
- Use SOQL to Query Parent-Child Relationships
- DML Essentials
- Trigger Essentials
- Classes
- The Save Order of Execution and Apex Transactions
- Testing Essentials
- Testing Strategies
- Strategies for Designing Efficient Apex Solutions
- Trigger Design Strategies
- Creating Visualforce Pages
- Exploring the View and Controller Layers of Visualforce
- Working with Custom Controllers and Controller Extensions
- Working with List Controllers and SOSL Queries
- Visualforce Development Considerations
- Testing Visualforce Controllers

## Course Objectives

- Create and modify objects using the declarative interface
- Write business logic customizations using Apex triggers and classes. Those customizations will use SOQL and DML.
- Design programmatic solutions that take advantage of declarative customizations
- Describe how your trigger code works within the basics of the Save Order of Execution
- Describe some of the fundamental aspects of designing programs on a multi-tenant platform
- Write Visualforce markup and code to customize the user interface
- Use the built-in testing framework to test Apex and Visualforces

## Course Content

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## Training Centres worldwide



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