Welcome to the Complete Salesforce Platform Developer-1

We have designed and built this course to be 100% aligned with the official exam Study Guide of the Spring 17 Salesforce Certified Platform Developer-1 release, and we will be updating it on each subsequent release if necessary.

The official Study Guide has the following Sections, and each Section has many Topics within it:

- 1. Salesforce Fundamentals
- 2. Data Modeling and Management
- 3. Logic and Process Automation
- 4. User Interface
- 5. Testing
- 6. Debug and Deployment Tools

Each topic mentioned in the Study Guide under each Section above is covered in this course, and each topic has at least a presentation and a Practical on the Salesforce environment.

We are sharing all the slides in PDF so that you could download them and read them offline, and we are also sharing a lot of reference links in each lecture. These references include links to Trailhead modules, links to the sources I have used to build the slides, links to official Salesforce documentation related to the topic, and links to official Salesforce guides and eBooks.

Good Luck!

Salesforce Team

What are the pre-requisites of this course?

- You should have Entry to Intermediate Salesforce Administration knowledge
- Java knowledge is a plus, but not necessary as I will be explaining Apex from the ground up

What am I going to get from this course?

- Understand the Salesforce Fundamentals.
- Get a deep understanding of all Declarative Salesforce Tools, like Process Builder, Flows, etc
- Build custom declarative and programmatic applications on the Force.com platform
- Explore the coding side of Salesforce
- Understand Object-Oriented Programming basics

- Learn the different Development tools like Developer Console, IDE and others
- Understand the different Apex Data Types
- Understand and Write Apex Classes and Triggers
- Understand and Write Visualforce Pages
- Understand and Write Apex Test Classes
- Understand the different Deployment tools that you can use
- Pass the Salesforce Certified Platform Developer I exam and become Certified

Who are the target audience?

- Do you want to pass the Platform Developer-1 certification? Then this course is for you!
- This course is for anyone who wants to know about the more powerful coding side of Salesforce

Course Content

0. Introduction

- 0.1- Introduction
- 0.2- Pre-requisites
- 0.3 Creating a Salesforce Developer Org
- 0.4- Installing Force.com IDE and accessing your Org

1. Salesforce Fundamentals

- 1.1- Consideration when Developing in a Multi-Tenant Environment
- 1.2- The MVC Pattern
- 1.3- Core CRM Objects
- 1.3- Core CRM Objects Practical
- 1.4- Extending an Application's Capabilities using the AppExchange
- 1.5- Common Use Cases for Declarative Customization

2. Data Modeling and Management

2.1- Data Modeling

- 2.2- Relationship Types
- 2.3- Schema Design and Modification Impact on Apex Development
- 2.4- Visualizing and Creating Entity Relationships
- 2.5- Importing and Exporting Data into Development Environments
- 2.5- Importing and Exporting Data into Development Environment Practical

3. Logic and Process Automation

- 3.1- Object Schema part 1
- 3.1- Object Schema part 2
- 3.1- Object Schema Practical
- 3.2- Formula Fields
- 3.2- Formula Fields- Practical
- 3.3- Rollup Summary Fields
- 3.4- Declarative Process Automation features Part 1 Workflow and Processes
- 3.4- Declarative Process Automation features Part 2 Approvals and Flows
- 3.5- When to use Declarative Process Automation features vs. Apex
- 3.6- Apex Variables, Constants and Expressions
- 3.7- Apex Data Types Part 1
- 3.7- Apex Data Types Part 2
- 3.8- Apex Control Flow Statements
- 3.8- Addendum More on SOQL For Loops
- 3.9- Apex Classes and Interfaces Part 1 OOP and Access Modifiers
- 3.9- Apex Classes and Interfaces Part 2A Virtual and Abstract Classes
- 3.9- Apex Classes and Interfaces Part 2B Interfaces
- 3.10- SOQL, SOSL and DML Part 1A SOQL Syntax and Where Clause
- 3.10- SOQL, SOSL and DML Part 1B SOQL Aggregate, Optional clauses and Return

- 3.10- SOQL, SOSL and DML Part 1 SOQL Practical
- 3.10- SOQL, SOSL and DML Part 2 SOQL Relationships
- 3.10- SOQL, SOSL and DML Part 3 SOSL
- 3.10- SOQL, SOSL and DML Part 4 DML
- 3.10- SOQL, SOSL and DML Part 4 DML Practical
- 3.11- Apex Triggers
- 3.11- Apex Triggers-Practical
- 3.12- Apex Triggers Pattern for Efficient Data Processing
- 3.12- Apex Triggers Pattern for Efficient Data Processing Practical
- 3.13- Governor Limits
- 3.13- Governor Limits-Practical
- 3.14- The Execution Order
- 3.15- Exception Handling
- 3.15- Exception Handling-Practical
- 3.16- Write Visualforce Controllers
- 3.16- Write Visualforce Controllers Practical Custom Controllers
- 3.16- Write Visualforce Controllers Practical Controller Extensions
- 3.17- Standard vs Custom Controller vs Controller Extension
- 3.18- Security in Apex
- 3.19- Apex Impact on Declarative Changes

4. User Interface

- 4.1- Display Salesforce Data using Visualforce Part 1 Visualforce Overview
- 4.1- Display Salesforce Data using Visualforce Part 2 Standard Controller
- 4.2- Web Content in Visualforce

- 4.3- Incorporate Visualforce Pages into Force.com
- 4.4- Benefits of the Lightning Component Framework
- 4.4- Benefits of the Lightning Component Framework Practical
- 4.5- Resources in a Lightning Component

5. Testing

- 5.1- Testing Deployment Requirement and Testing Framework
- 5.2- Write Apex Unit Tests
- 5.2- Write Apex Unit Tests Practical
- 5.3- Test Data
- 5.3- Test Data-Practical
- 5.4- Execute Test Classes
- 5.5- Invoking Apex in Execute Anonymous vs. Unit Tests

6. Debug and Deployment Tools

- 6.1- Monitor and Access Debug Logs
- 6.2- Developer Console, Workbench and Force.com IDE
- 6.2- Developer Console, Workbench and Force.com IDE Practical 1 Developer Console
 - 6.2- Developer Console, Workbench and Force.com IDE Practical 2 Workbench
 - 6.2- Developer Console, Workbench and Force.com IDE Practical 3 Force.com IDE
 - 6.3- Deploying Metadata
 - 6.3- Deploying Metadata Practical
 - 6.4- Salesforce Environments