

Cloud Computing Overview

Cloud Computing Services

- SaaS
- PaaS
- IaaS

CRM Overview

Force.com Platform Overview

Admin (Configuration)

What is Salesforce Org?

What is Edition and what are the different types of editions available with Salesforce?

What is a Sandbox and what are the different types of Sandboxes?

Objects:

- Standard Objects
- Custom Objects

Fields:

- Standard Fields
- Custom Fields
- Different Field Data Types

Relationships:

- Master Detail Relation Ship
- Lookup Relation Ship
- Self Relation Ship
- Hierarchial Relation Ship
- Many to Many Relation Ship

Tabs:

- Creation of Tabs
- Different types of Tabs
 - Standard Tabs
 - Custom Tabs
 - Web Tabs
 - VisualForce Tabs
 - Lightning Page Tabs

Users:

- Creation of Users
- Deactivation of Users

Profiles:

- What is a Profile?
- How to control accesses on objects using profiles?
- How to control other administrative and permissions using profiles?

Permission Sets:

- What is a Permission Set?
- How to grant additional accesses using permission sets?

Field Level Security

- Using Profiles
- Using PageLayout
- Using Permission Set

PageLayouts:

- Detail Page Layout and Edit Page Layout
- How to modify Existing Pagelayouts?
- Creation of PageLayouts
- PageLayout Assignment
- How to make a field required or readonly on PageLayout?
- Difference between Universally Required fields and PageLayout Level fields

Search Layouts & Views

Field Dependencies

- Controlling Field
- Dependent Field
- Limitations

Record Types

- Creation of Record Types
- PageLayout Assignment
- Picklist Values Edit for RecordTypes
- Real -Time Scenario explanation

Record Level Security

- Sharing Settings:
 - Organization Wide Defaults(OWD)
 - Sharing:
 - Manual Sharing
 - Sharing Rules(Automated Sharing)
 - Apex Sharing(Programmatic Sharing)

Public Groups and Queues

Roles & Roles and Subordinates

- Formula Fields(with examples)
- Rollup Summary Fields(with examples)

Validation Rules

- Improper Data Check
- Conditionally Required Fields
- Data Consistency

- Data Format Check(Using REGEX function)
- Using VLOOKUP function

Workflow Rules

- Immediate Workflow Rule
- Time Dependent Workflow Rule
 - Adding Time Trigger
 - Time - Based Workflow Monitor
- Workflow Actions:
 - Field Update
 - Task
 - Email Alert
 - Outbound Message
- Workflow Rule Limitations
- Field Update Considerations

Approval Processes

- Introduction to Approval Process
- Dynamic Approval Process
- Multi-Step Approval Process
- Parallel Approval Process
- Approval Process Actions
- Real Time Scenarios

Process Builder

- Introduction to Process Builder
- Workflows vs Process Builder
- Real Time Scenarios

Reports and Dashboards

- Tabular
- Summary
- Matrix
- Joined
- Custom Report Types
- Dashboards

Deployment Tools

- Different types of Deployments
- Change Sets:
 - Inbound Change Set
 - Outbound Change Set
- Production Deployment Considerations
- Overview of ANT Migration Tool

Data Loader

- Difference between Import Wizard and Data Loader
- Bulk upload of data
- Different Data Loader Options

Monitoring your Org

- Debug Logs
- Email Logs
- Login History
- View Setup Audit Trail
- Time-based Workflow

Development (Customization)

OOPS Basics

Lexical

Tokens

Identifiers

Variables

Data Types

Access Modifiers

If-else ladders

Loops

Static Keyword

Final Keyword

Try-Catch

SOQL (SalesForce Object Query Language)

- Group By
- Having
- Limit
- Offset
- Update Lock
- Parent to Child object Query
- Child to Parent object Query
- Aggregate Result

Installation Steps

- Eclipse
- ANT

Apex

Apex Language basics

Collections

- Sets
- Lists
- Maps

Apex Triggers

- Different Events
- Trigger Context Variables
 - ✓ Trigger.old
 - ✓ Trigger.oldMap
 - ✓ Trigger.new
 - ✓ Trigger.newMap
 - ✓ Trigger.isInsert
 - ✓ Trigger.isUpdate
 - ✓ Trigger.isDelete
 - ✓ Trigger.isUndelete
 - ✓ Trigger.isBefore
 - ✓ Trigger.isAfter
 - ✓ Trigger.isExecuting
 - ✓ Trigger.size
- Recursive Triggers
- Trigger Handler Classes
- Coding Practices and Real Time Scenarios
- Different Exceptions
- Governor Limits

VisualForce Pages

- VisualForce Architecture
- Visual Markup and VisualForce Controllers
- VisualForce Tags
 - ✓ Input Tags
 - ✓ Output Tags
 - ✓ Select Tags
 - ✓ Page Tags
 - ✓ Action Tags
 - ✓ Other Tags
- How to display data in table(PageBlock Table)
- Rendered
- ReRender
- RenderedAs
- Routing to a different page(PageReference)
- Different RealTime VisualForce Page Scenarios

Controllers

- Standard Controller

- Custom Controller
- Extensions Controller

JavaScript

- Open a popup in VisualForce Page using JavaScript
- Using JavaScript built in functions

Jquery

- Jquery Using Static Resource
- Jquery Using url plugin
- AutoComplete

Ajax in VF Page

- Sforce Connection
- SOQL Using Ajax
- DML Using Ajax
- Custom Functionalities on Standard Pages
- Auto Lookup Functionality Using Ajax and Jquery

Batch Classes

- Query Locator Batch Class
- Iterable Batch Class
- Database.stateful
- Batch Job Monitoring
- Batch Class Best Practices and Governor Limits

Schedule Classes

- Scheduler Apex
- Scheduling Apex through Configuration
- Cron Expression
- Schedule Class Best Practices and Governor Limits

Salesforce Annotations

- @Future
- @InvocableMethod
- @InvocableVariable
- @IsTest
- @ReadOnly
- @TestSetup
- @TestVisible
- Apex REST annotations:
 - @RestResource(urlMapping='/yourUrl')
 - @HttpDelete

- @HttpGet
- @HttpPatch
- @HttpPost
- @HttpPut

Test Classes

- @isTest
- SeeAllData
- Production Test Classes Considerations

Email Services

- Messaging.singleEmailMessage
- Messaging.bulkEmailMessage
- SendEmail Method Governor Limits
- Other Email Services Governor Limits

. Inbound Email Service

- Creating Inbound Email Handlers
- Creating Inbound Email Service
- Creating a lead based on inbound email
- Invoke a batch apex based on Inbound

Custom Labels and Custom Settings

- List
- Hierarchical

Offerings from Kelly:

- ✓ Project Implementation right from scratch
- ✓ Best coding and project practices to be followed in real time projects will be provided by faculty
- ✓ Mock Interviews will be conducted on a one-to-one basis after the course duration
- ✓ Detailed Assistance in RESUME preparation with Real Time Projects based on your technical background.
- ✓ Two Projects Explanation with architecture
- ✓ All Real Time Interview Questions will be provided
- ✓ All Certification related Questions will be provided
- ✓ Free Basic Core Java and SQL concepts will be covered as part of the course
- ✓ Discussing the new happenings in Salesforce Force.com Platform
- ✓ Written exams will be conducted during the course (One exam after Admin course and other at the end of course completion)
- ✓ Academic projects will be provided for pursuing students

Integration

- Outbound Messages
- Integration Using Connected Apps
- OAuth Scopes

Authentication Services

- Session ID
- Access Token
- Refresh Token

What is WSDL?

Different Types of WSDL

- EnterPrise WSDL
- Partner WSDL

Apex Webservice (Using SOAP and REST)

- Webservice Keyword
- Request and Response Parameters
- Rest Classes
- Rest Annotation

Apex Callouts

- Single Sign-on Configuration
- Integration Unit Testing using SOAP UI tool

Advanced Topics:

- Global Actions
- Salesforce 1
- Lightning Experience Overview
- Lightning Components Basics