Salesforce Admin/Development

Module	Unit #	Unit Name	Detail Topics
	1.1	Introduction to Cloud Computing	What is the Cloud? History of Cloud Computing, How Cloud Computing works? What is so great about the cloud?
	1.2	Understanding SaaS	What is SaaS? SaaS characteristics
	1.3	Understanding PaaS	What is PaaS? Build apps with PaaS, Why PaaS is being adopted?
	1.4	Introduction to Saleforce CRM	What is Salesforce? What is CRM? How Salesforce organizes data? Salesforce Standard and Custom objects, Introducing Lightning Experience
	1.5	Navigating Salesforce Organization	The Navigation Bar, Items and Apps for Efficient Navigation, All about Setup, Search for records
	1.6	Understand Salesforce Architecture	Salesforce Architecture, Multitenant Cloud, Understand Metadata, All about API
Module 1 : Introduction to SFDC	1.7	Salesforce Editions	Different editions of Salesforce
Module 2 : Building Data Model	2.1	Understand Standard & Custom objects	Overview of Objects, Types of objects, Understand Fields
	2.2	Object Relationships	What Are Object Relationships? Types of Relationships
	2.3	Many-to-Many Relationships	What is Junction object? Create the Junction object, Create Two M-D relationship
	2.4	Work with Schema Builder	Creating object, fields and relationships
	2.5	Create Custom object Tab	Create Tab, Records
	2.6	Create and Customize Lightning Apps	What is Lightning App?, Using Lightning App Manager
Module 2 : Building Data Model	2.7	Working with Pagelayouts	Understaning PageLayouts
Module 3 : Formulas & Validations	3.1	Use Formula Fields	Using formula fields, formula editor
	3.2	Implement Roll-up summary fields	Introduction to Rollup summary fields, Defining a Rollup summary field, Examples of Rollup summary fields
	3.3	Create Validation Rules	Introduction to Validation Rules, Examples of Validation Rules
Module 3 : Formulas & Validations	3.4	Debug Logs	What are Debug logs? Debug log levels, Debug log details
	4.1	Overview of Data Security	Introduction to Data Security, Levels of Data access
	4.2	Control access to the Org	Control access to the Organization, Manage Users
	4.3	Control access to Objects	Manage object Permissions, Using Profiles, Creating Profiles, Use Permission Set
	4.4	Control access to Fields	Restrict Field access with a Profile, Add Field access with a Permission Set
	4.5	Control access to Records	Record Level Security, OWD
Module 4 : Data Security	4.6	Create a Role Hierarchy	Create and Edit Roles, Create a Role Hierarchy
	4.7	Define Sharing Rules	Extend access with Sharing Rules, Create a Sharing Rule, Define a Public Group
	4.8	Set up Audit Trails	Audit Trail Purpose
	4.9	Field Histroy Tracking	Field History Tracking Purpose
Module 4 : Data Security	4:10	Transferring Records	Mass Record Transfers
	5.1	Choose the Right Automation Tool	People Expect Automation, Meet Lightning Flow, Which Automation Tool Is Right for My Use Case?
	5.2	Use Process Builder	The Components of a Process, Process Types
	5.3	Use Flow Builder	Flow Building Blocks, Activate Your Flow, Add Your Flow to the Home Page
	5.4	Use Approval Process	Understanding Approval Process, Creating Approval Process
	5.5	Workflow Rules	What is Workflow?, Create a Workflow Rule
Module 5 : Lightning Flow	5.6	Good Bye Workflow Rules	Workflows Vs Process Builder
	6.1	Import Data	Introduction to Data Import, Method / Tools to Import Data, Steps to use Data Import Wizard
	6.2	Using Data Import Wizard	Use Data Import Wizard for importing data
	6.3	Export Data	Introduction to Data Export, Method / Tools to Export Data
	6.4	Installing Data Loader	Steps to Download and Install Data Loader
	6.5	Use Data Loader to Export Data	Export data with Data Loader
Module 6 : Data Management	6.6	Use Data Loader to Update Data	Update data with Data Loader
	7.1	Introduction to Reports & Dashboards	What is a Report? What is Dashboard? What is Report Type?
	7.2	Use Report Builder	Select a Report Type, Types of Filters
	7.3	Format Reports	Understand Tabular, Summary, Matrix Reports
	7.4	Create Dashboards	Understanding Dashboard Builder
	7.5	Set up a Custom Report Type	What report type defines?
	7.6	Create a Custom Report Type	Steps to create a Custom Report Type
Module 7 : Reports & Dashboards	7.7	Add Child objects to Custom Report Type	Understanding With & With or Without
Declarative Case Study			
	8.1	Understanding Sandbox	What is Sandbox?
	8.2	Sandbox Types	Different Types of Sandbox
Module 8 : Introduction to Sandbox	8.3	Creating a Sandbox	Steps for creating a Sandbox
	9.1	Get started with Apex	What is Apex?, Data Types Overview
	9.2	Use sObjects	What are sObjects?, Creating sObject variable
	9.3	Manipulate Records with DML	Different DML Statements, Bulk DML, Upserting Records, Deleting Records, DML Statement Exceptions, Database Methods
	9.4	Static Variables & Methods	Characteristics of Static Variables and Methods, Using Initialization Code, Using Static methods
	9.5	Apex Properties	Understanding Apex property, Using Automatic properties
	9.6	Extending a class	Understanding and Extending a Class
	9.7	Interface	Understanding and Implementing Interface
	9.8	With or Without Sharing	Use of With and Withoug Sharing
Module 9 : Apex Classes	9.9	Execution Governors & Limits	Per-Transaction Apex Limits
	10.1	Write SOQL Queries	Basic SOQL Syntax, Using the Query Editor, Filtering Query Results with conditions, Ordering Query Results, Limiting Number of Records, Accessing variables in SOQL queries Querying Related records
Module 10 : SOQL & SOSL	10.2	Write SOSL Queries	Understanding What is SOSL?, Difference and Similarities between SOQL and SOSL, Using the Query Editor, Basic SOSL Syntax, Single Words and Phrases
Module 11 : Apex Triggers	11.1	Get Started with Apex Triggers	What are Triggers?, Trigger Syntax, Types of Triggers, Context Variables, Trigger Exceptions
	11.2	Triggers and Order of Execution	Understanding Order of Execution
Module 11 : Apex Triggers	11.3	Static variables to break Trigger Recursion	Use of Static variable to break Trigger Recursion
	12.1	Get Started with Apex Tests	Apex Unit Tests, Code Coverage requirement for Deployment, Test Class & Test Method Syntax, Creating Test Data
	12.2	Test Apex Triggers	How to Test Trigger functionality
	12.3	Using seeAllData	Purpose of seeAllData attribute of isTest annotation
	12.4	Using Test Setup methods	Use of Test Setup methods and its syntax
	12.5	Using runAs method	Purpose of runAs
Module 12 : Apex Testing	12.6	Using startTest and stopTest	Use of Limit class, startTest and stopTest
	13.1	Get Started with Visualforce	Introduction to Visualforce, Where we can use Visualforce Page
	13.2	Create and Edit Visualforce Pages	Using attributes, PageBlock, PageBlockSection
	13.3	Use Simple Variables and Formulas	Introduction to Global Variables and Expressions, Formula Expressions
Module 13 : Visualforce Basics	13.4	Use Standard Controllers	Introduction to Standard Controllers
	13.5	Display Records, Fields, and Tables	Use of inputField, outputField, pageBlockTables
	13.6	Input Data Using Forms	Introduction to Visualforce Forms, Create a Basic Form, Add Field Labels and Platform Styling Display Form Errors and Messages, Edit Related Records

Salesforce Admin/Development

Module	No.	Topic	Details
Module 13 : Visualforce Basics	13.7	Use Standard List Controllers	Introduction to the Standard List Controller, Display a List of Records, Add Pagination to the List
	13.8	Use Custom Controllers	Introduction to Custom Controllers, Create a Visualforce Page that Uses a Custom Controller
			Create a Custom Controller Apex Class, Add a Method to Retrieve Records
	13.9	Use Controller Extensions	Building a Controller Extension
	13:10	Use Static Resources	Introduction to Static Resources, Create and Upload a Simple Static Resource,
			Add a Static Resource to a Visualforce Page
Module 13 : Visualforce Basics	13.11	Overriding Buttons, Links, and Tabs with Visualforce	How to overload Buttons or links or Tabs with VF Page
Module 14 : Lightning / Aura Components Basics	14.1	Before You Start	Understanding My Domain, My Domain Is Already On in Your Trailhead Playground,
			Define the Expense Custom Object
	14.2	Get Started with Components	Understanding Lightning Component Framework
	14.3	Create and Edit Components	What is a Component?, What is an App? Components Containing Components, Containing…Components!
	14.4	Attributes and Expressions	Component Attributes, Expressions, Value Providers, Attribute Data Types
Module 14 : Lightning / Aura Components Basics	14.5	Handle Actions with Controllers	What is a Controller?, Action Handlers
	14.6	Connect to Salesforce with Server-Side Controllers	Server-Side Controller Concepts, Querying for Data from Salesforce, Loading Data from Salesforce
			Calling Server-Side Controller Methods, Server Calls, Asynchronous Execution, and Callback Functions
			Handling the Server Response
	14.7	Use Lightning App Builder	Understand the Lightning App Builder Tool, How Lightning App Builder works, Lighting Page Types
Module 15 : Package Metadata	15.1	Packging Metadata	Package Custom Metadata Types, Package Custom Metadata Records, Upload Packages, Install Packages
Module 16 : Batch & Dynamic Apex	16.1	Batch Apex	Where to use Batch Apex?, Batch Apex Syntax, Invoking a Batch class, Using State in Batch Apex,
			Sample Batch Apex Code
	16.2	Dynamic Apex	What is Dynamic Apex?, Access sObject and field describe information