ORDER MANAGEMENT USING SALESFORCE

PREPARED FOR

SFDC Training Program Capgemini

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Abstract

The order management system is a Salesforce app and environment meant to facilitate the creation and approval of orders generated by a firm's clients. The firm's order handing team comprises employees in sales, business and support roles. The system is meant to handle how an employee interacts with and handles order and client data, while overriding the standard sales cloud utility with customizable lightning web components.

Scope

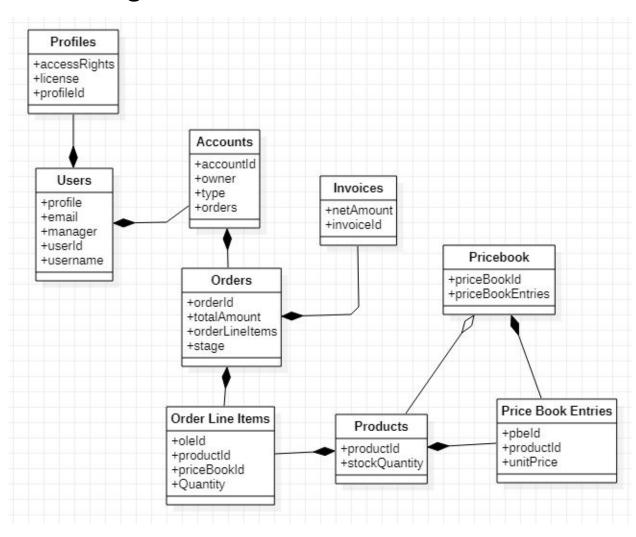
<u>Inscope</u>

- 1. Support user, Business User and Sales User were given their own specific functionality as per the use case.
- 2. Order approval was automated.
- 3. Triggers were used to apply business logic.
- 4. Lightning Web Components used to create app home page and override actions(wrapped in aura component).

<u>Outscope</u>

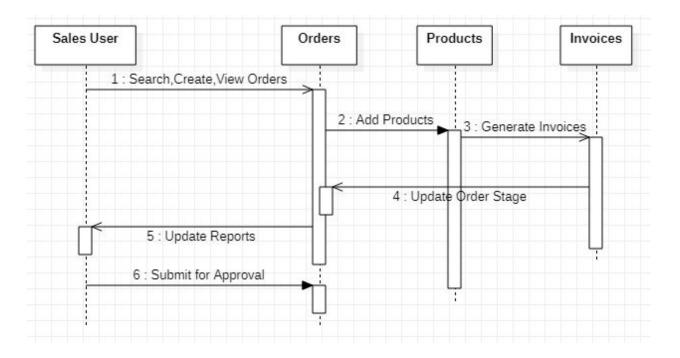
- 1. Ensuring code coverage using test classes, to prepare for deployment was not done.
- 2. Batch apex jobs which could remove empty orders at a timely basis.
- 3. Limited salesforce license reduced number of users.

Class Diagram

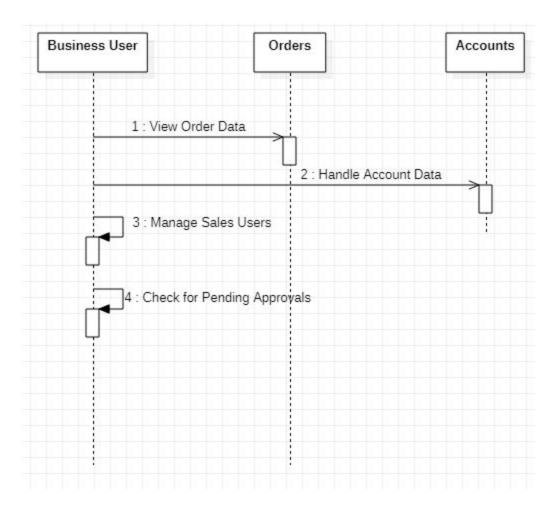


Sequence Diagrams

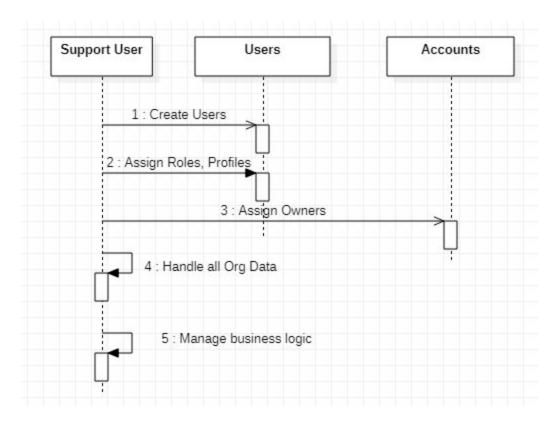
1. For Sales User:



2. For Business User:

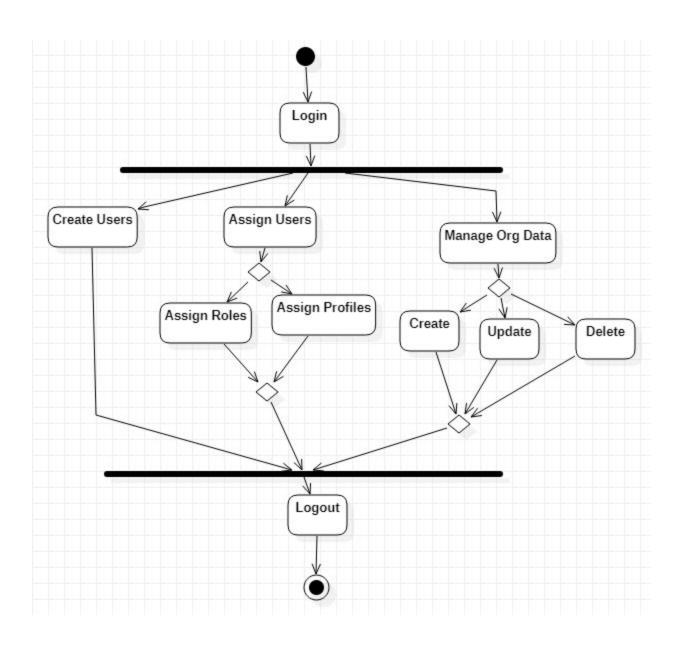


3. For Support User:

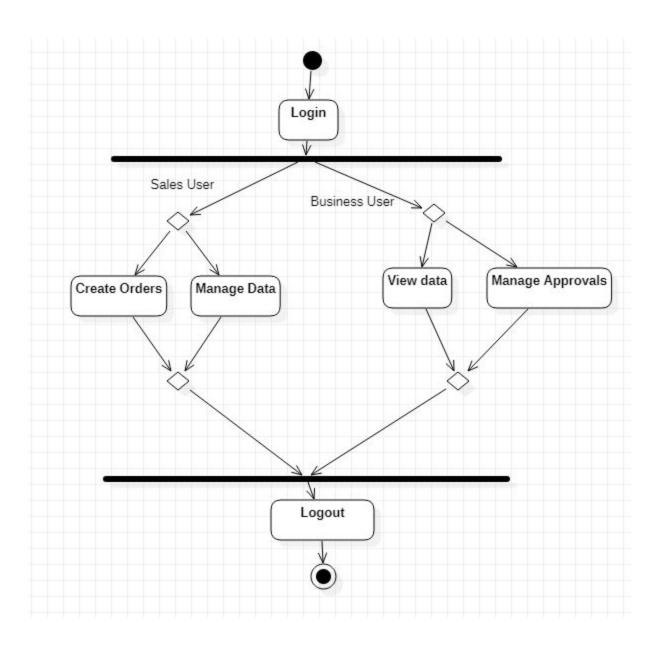


Activity Diagram

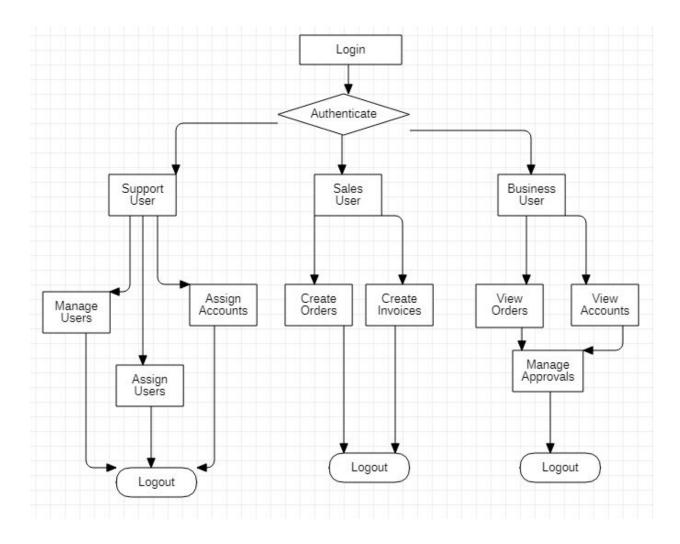
1. For Support User:



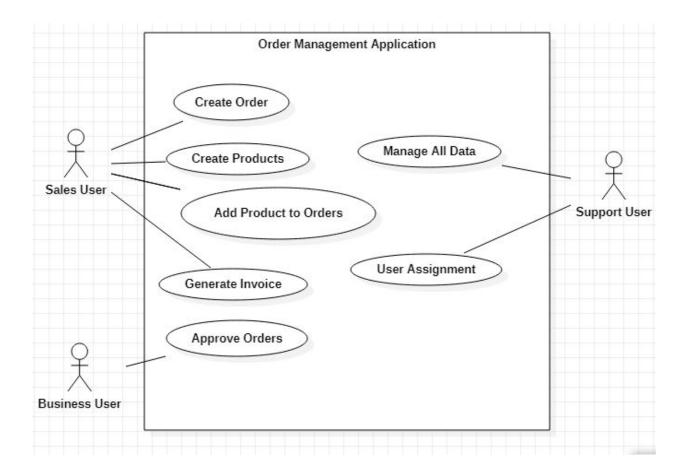
2. For Sales/Business User:



Flowchart

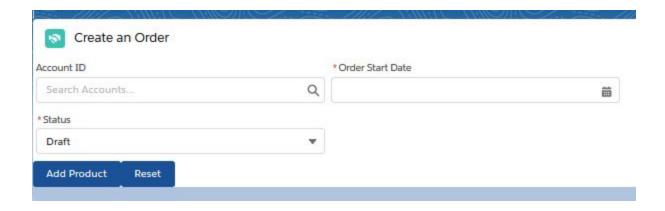


Use Case Diagram



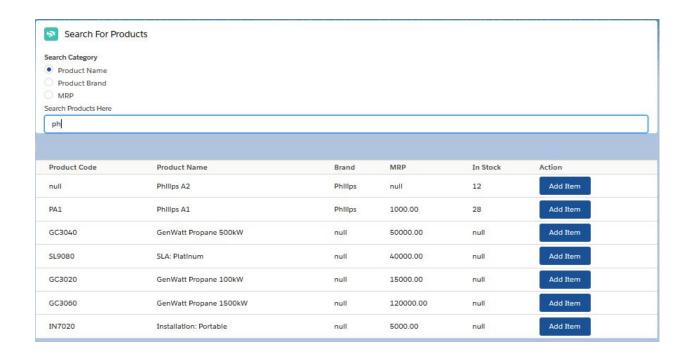
Wireframes

Order Creation

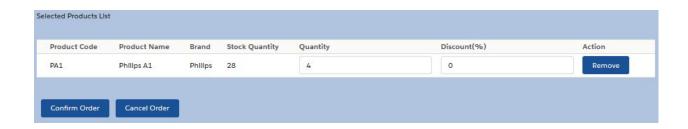


Search Products





Add/Remove Products



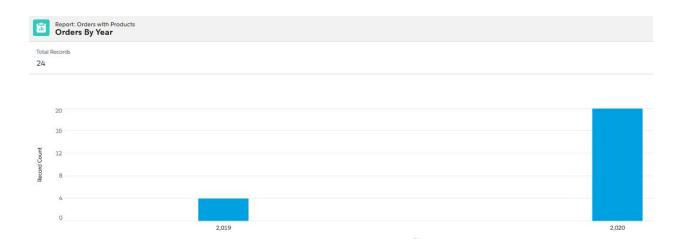
Order Summary

Order Details:
Order ID: 8012w000000Cn5mAAC Order Amount : 11000 Total Order Quantity : 11

Product Details:
Product Name : Phillips A1 Product Brand : Phillips Stock Quantity : 944 Quantity : 11

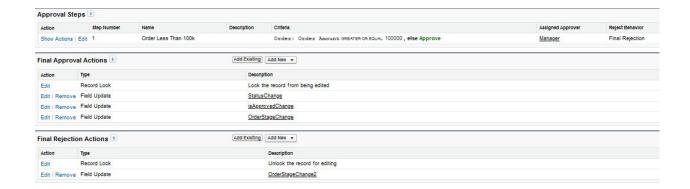
Reports



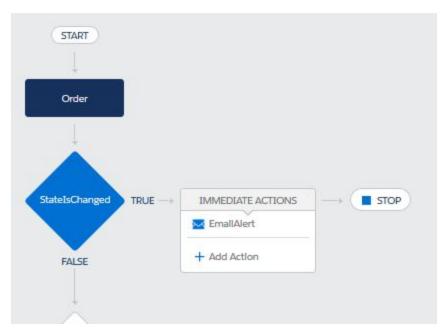


Approval Process





Process



Classes and Constituents

<u>Users</u>

Contains data such as EmailId, UserId, Password, Username and utility controls such as profiles, roles, managers and licenses, which is then used to configure sharing of data and utility.

Accounts

Contains data of the Clients such as their Contact information, related deals and trade.

<u>Orders</u>

Contains order details to record client order data and facilitate order handling.

Invoices

It has payment data and progression details for an order.

Pricebooks

Contains price lists and products

Products

Contains product details and stock details

Components

Lightning Web Components

Lightning Web Components were used to:

- 1. Creating an Order, using the lightning-record-edit-data form
- 2. Searching Products, using a Controller and an Apex imperative call
- 3. Adding Order Line Items, using a Controller and an Apex imperative cal
- 4. Generating the Order Summary
- 5. Overriding the new Order button on the Order home page, using a lightning Aura Component which calls a lightning web component.

Apex Triggers

1. Trigger on User Object:

Used to restrict the manager of a sales user to a business user. Also checks and restrains the number of accounts managed by a user based on profile.

2. Trigger on Account Object:

Sets email opt out for an account's contacts

3. Trigger on Order Object:

Used to control reversion of order stage

4. Trigger on OrderItem Object:

Used to maintain stock quantity and update it

5. Trigger on Invoice Object:

Used to update Order stage upon invoice generation

<u>Approval Processes</u>

1. Order Approval Process:

The order approval process works by directly approving orders having amount under 100,000 dollars, and requiring a manager's approval for orders above that.