Group 5

Lab-5

Modelling Requirements into Activity Diagram

Q1. Identify the activities, actions, conditions for each of the sprints

Sprint 1: User Authentication and Authorization

Activities:

Implement user login or sign up.

Actions:

1. Users enter username and password to login.

2. If User is creating a new account, then he enters username, password and other necessary information.

Conditions:

1. If user enters wrong password or username then an error message is displayed and user can enter username or password again

2. Check if the information entered is valid or not

Sprint 2: Booking warehouse

Activities:

Searching for warehouse

Booking warehouse

Payment for a particular warehouse

Action:

1.Searching a warehouse according to locality or type of crop stored or type of storage required.

2.Booking the warehouse.

3. Gives details about storage requirements.

4. User proceeds with payment.

Conditions:

1. If the selected warehouse is unavailable the user is redirected to the search block to search for other warehouses.

2. If the user is not willing to book a warehouse other than the selected one, the booking process is cancelled.

3. If the user is not logged in then the user is redirected to the login and sign up page.

4. If payment is validated then booking is successful

5. if the user performs invalid payment for more than 3 times, the booking process is cancelled and the warehouse is made vacant.

6. if timeout exceeds 5 mins booking process is cancelled and the warehouse is made vacant

Sprint 3: Warehouse Management Interface

Activities:

Edit Profile of the warehouse owner

View warehouse units that are booked

Action:

Editing name and other personal information Also warehouse owner can change the number of units in his warehouse.

View current item stored in warehouse.

Conditions:

a) Validate the edited information.

b) Show the changes due to increment or decrement of the units in warehouse.

Sprint 4: Unloading crops from the warehouse

Activities:

1. Unloading good from the warehouse.

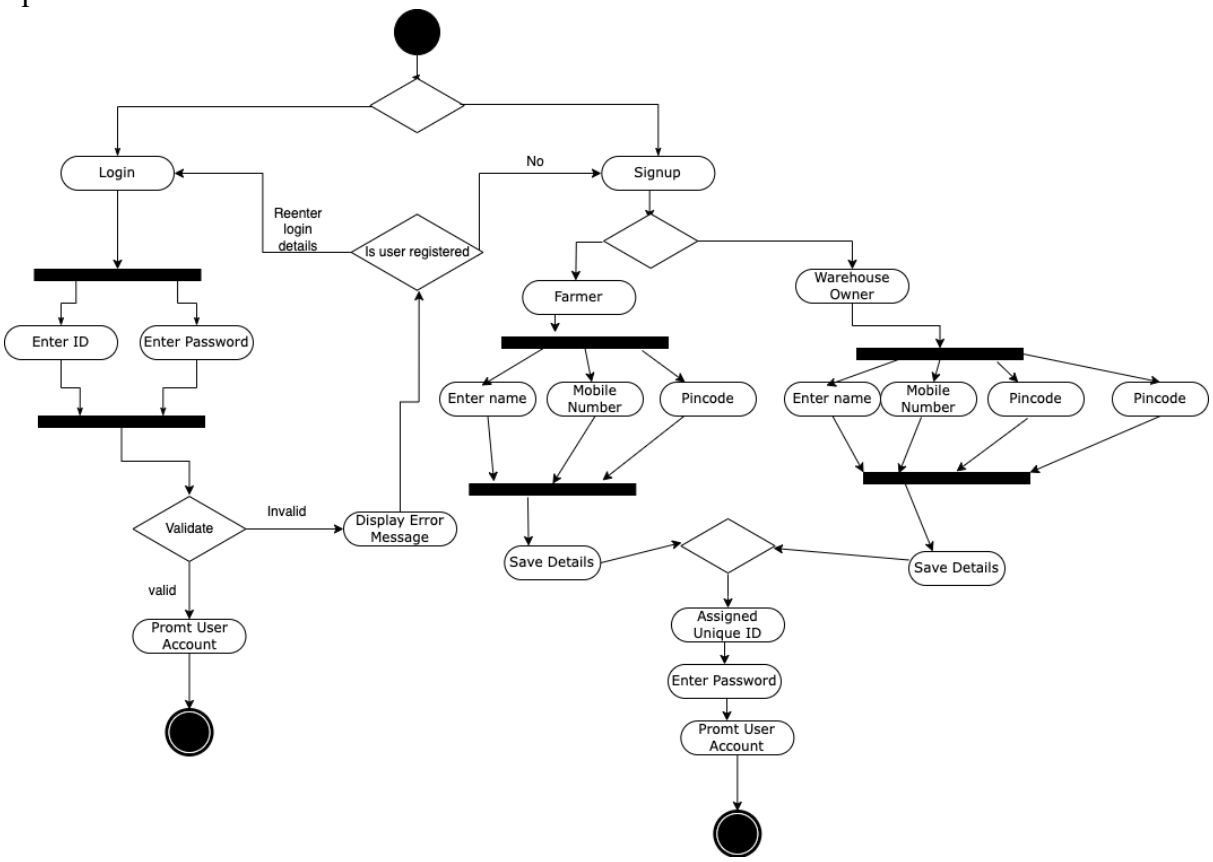
Action:

1. User wants to unload his crops from the warehouse before the due date.
2. The system notifies the user about the deadline to unload his crops

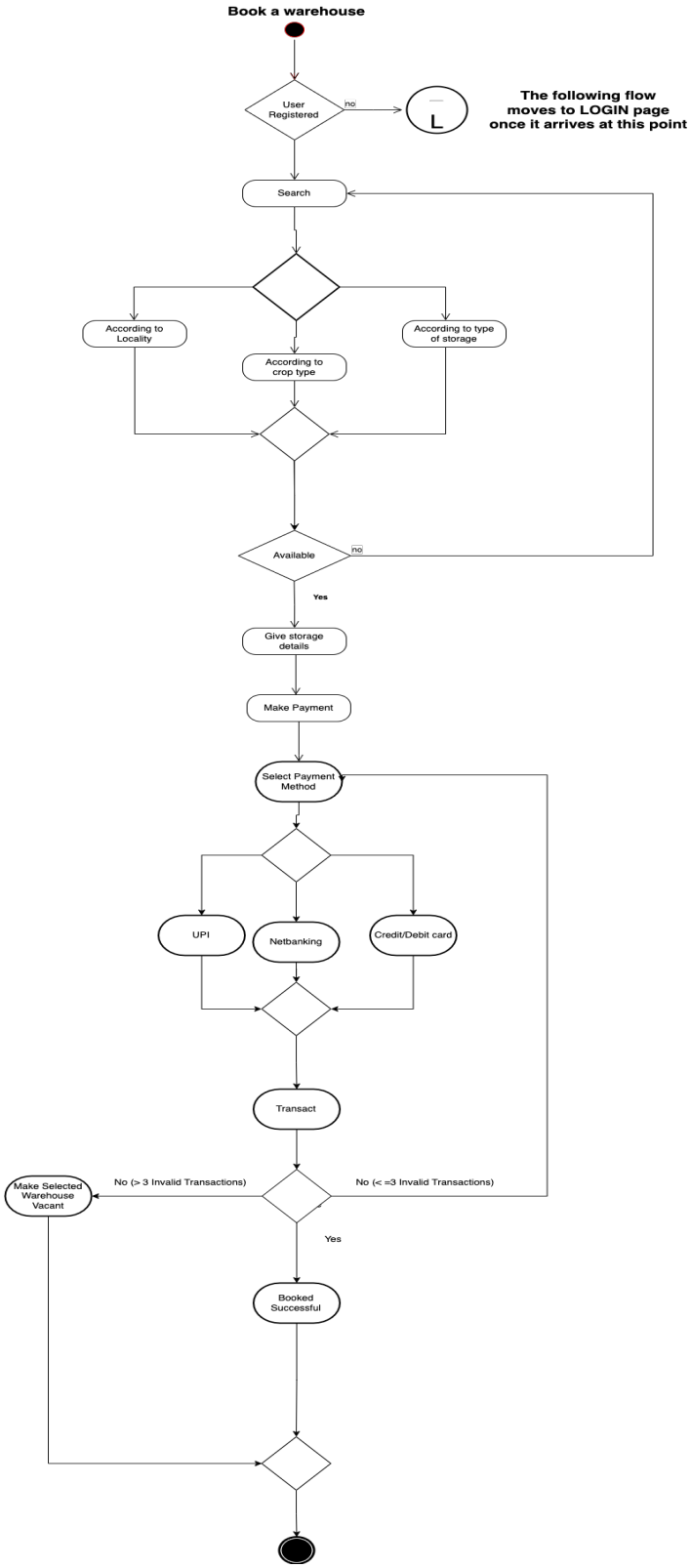
-No conditions

Q2. Develop activity diagram for each of the sprints.

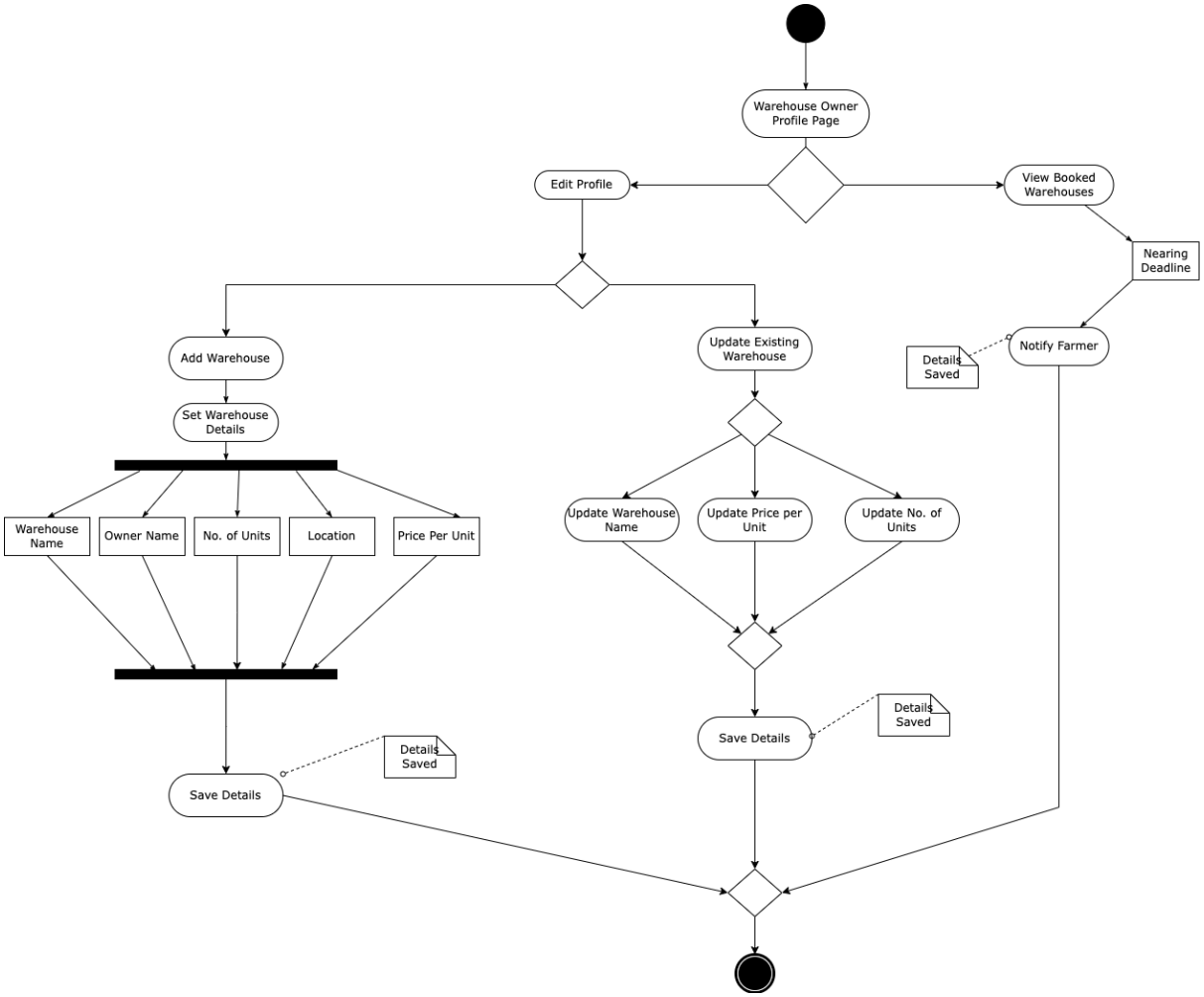
Sprint 1:



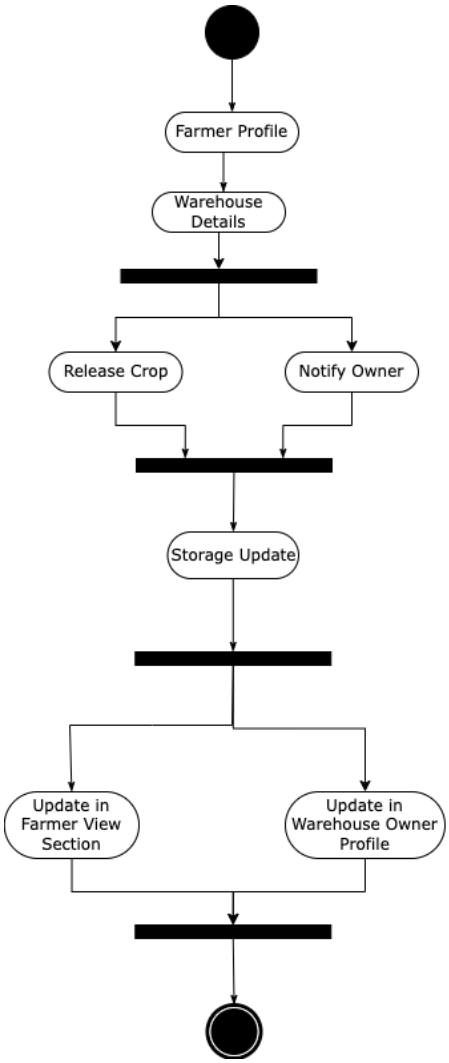
Sprint 2:


Book a warehouse
User Registered
no
L
The following flow moves to LOGIN page once it arrives at this point
Search
According to Locality
According to crop type
According to type of storage
Available
no
Yes
Give storage details
Make Payment
Select Payment Method
UPI
Netbanking
Credit/Debit card
Transact
Make Selected Warehouse Vacant
No (> 3 Invalid Transactions)
No (< =3 Invalid Transactions)
Yes
Booked Successful

Sprint 3:


Warehouse Owner Profile Page
Edit Profile
View Booked Warehouses
Nearing Deadline
Add Warehouse
Set Warehouse Details
Update Existing Warehouse
Details Saved
Notify Farmer
Warehouse Name
Owner Name
No. of Units
Location
Price Per Unit
Update Warehouse Name
Update Price per Unit
Update No. of Units
Details Saved
Save Details
Details Saved
Save Details

Sprint 4:


Farmer Profile
Warehouse Details
Release Crop
Notify Owner
Storage Update
Update in Farmer View Section
Update in Warehouse Owner Profile