

GROUP 10

SUSTAINABLE SHOPPING ASSISTANT

TEAM MEMBERS:

ADIL ARORA -3152721

DEEPANSHU KAPOOR -3151365

IFEAKACHUKWU OVILI - 3140274

ASSIGNMENT 3

## 1) Use case Description

<b>Use Case Name</b>	Placing an order
<b>Scenario</b>	A customer visits our application and wants to make purchase by placing the order
<b>Triggering Event</b>	Customer visits the app and decides to purchase any item based on their wants.
<b>Brief Description</b>	Allows the customers to select the items with the help of a shopping assistant and place an order.
<b>Actors</b>	Customer
<b>Related Use Case</b>	None
<b>Stakeholders</b>	Customer, Team members, DevOps Engineer, Product Manager
<b>Preconditions</b>	The Customer is present at our application.  The Customer knows what they want to order and our assisted by our shopping assistant.  The company/brand has related stock available.
<b>Postconditions</b>	The payment is processed.  The app updates the order status in the system.  The customer receives the order.



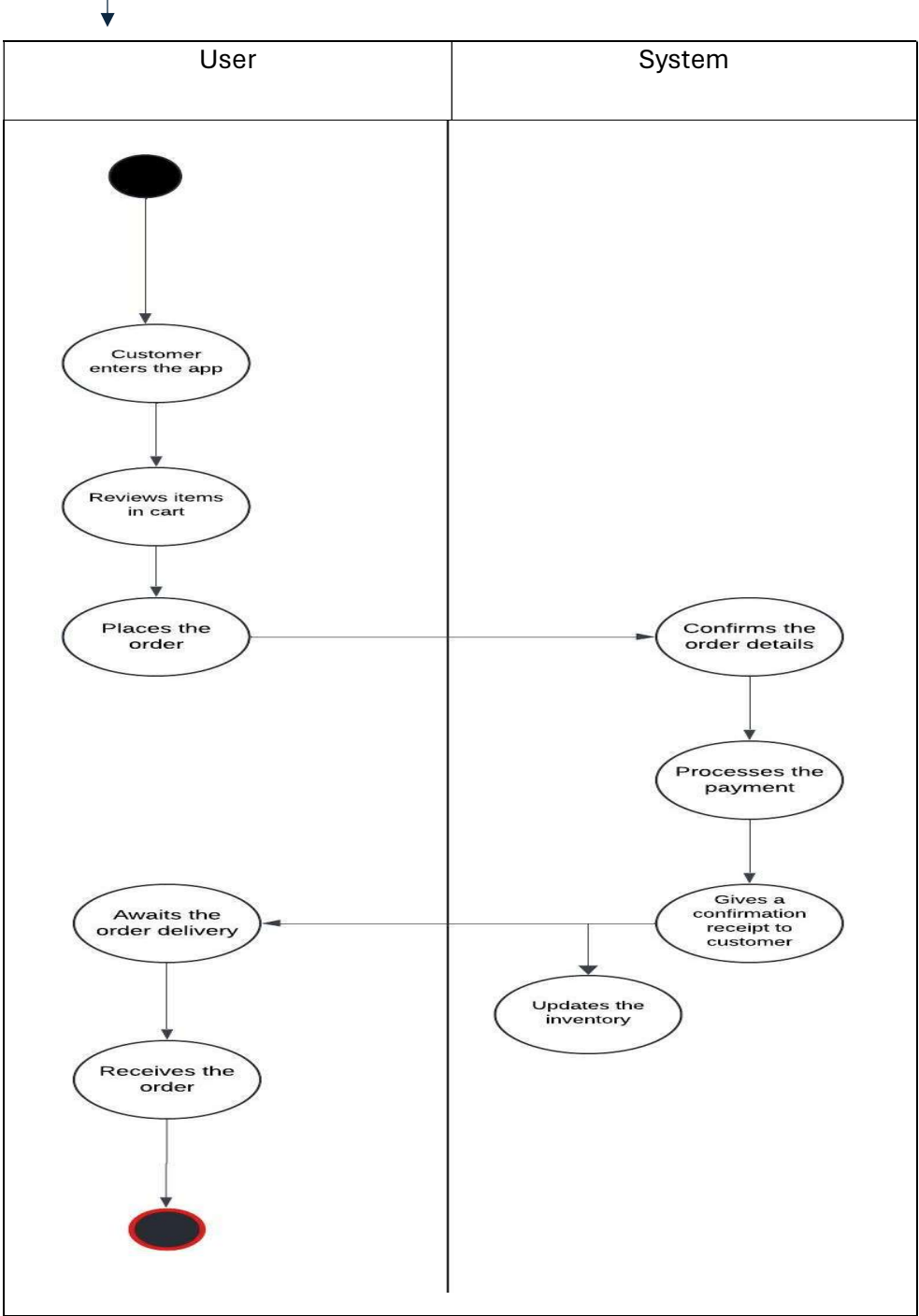
	<p>If customer changes their order once it has been placed.</p> <p>If the payment is declined.</p>
--	--

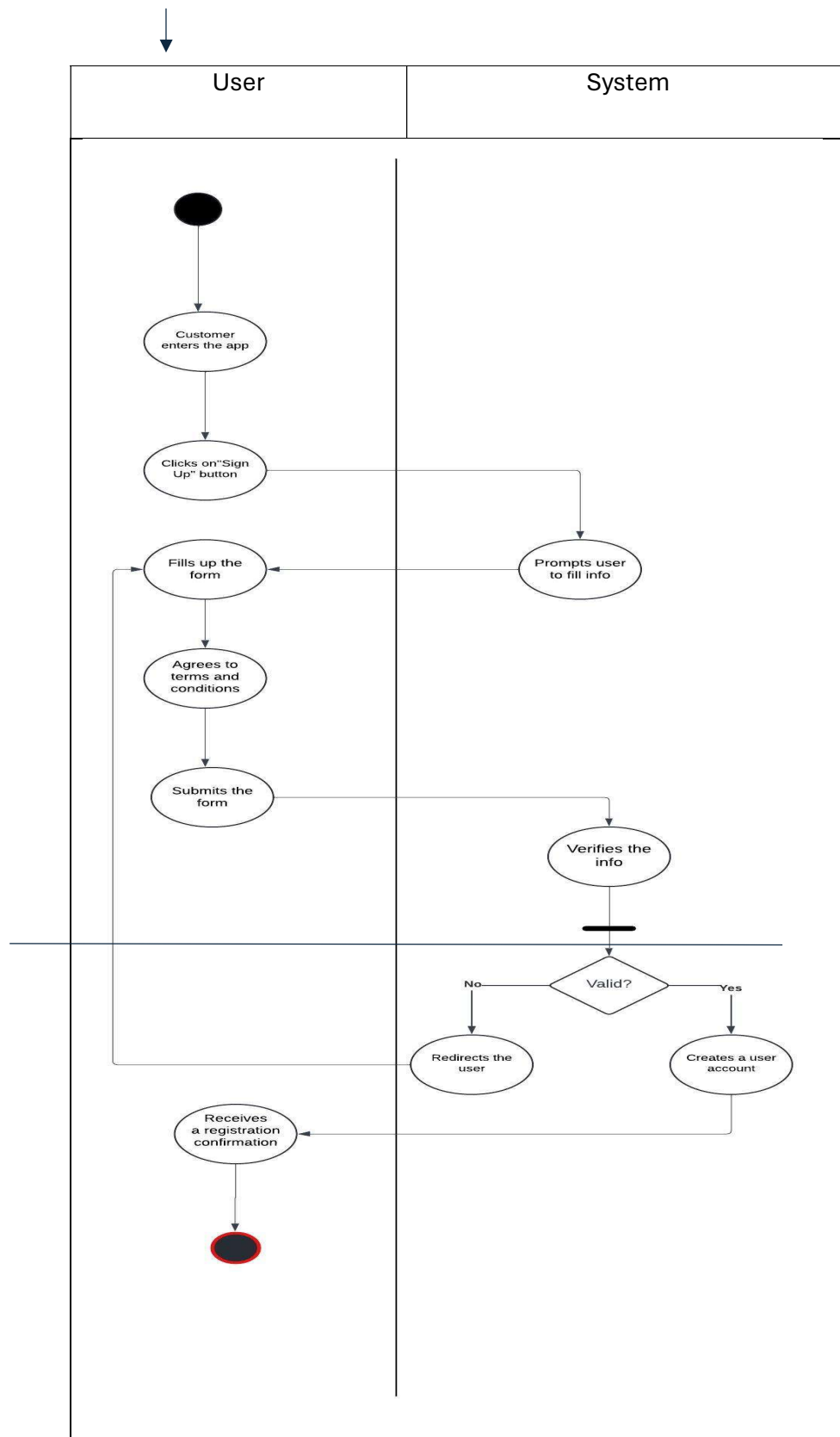
<b>Use Case Name</b>	Registration process
<b>Scenario</b>	Our team wants to facilitate registration process and keep track of those signing up for our system.
<b>Triggering Event</b>	Customer visits the app and decides to access our facilities and features to ease their tasks.
<b>Brief Description</b>	Allows customer to register for an account and our team to establish a user's identity within the system.
<b>Actors</b>	Customer
<b>Related Use Case</b>	None
<b>Stakeholders</b>	Customer, Tech team members, Operational Manager
<b>Preconditions</b>	<p>The user has access to a device with internet connectivity.</p> <p>The user is aware and has all the information required to set up an account.</p>

	<p>We have a safe and secure system to safeguard personal information of individual's signing up for our system.</p>	
<b>Postconditions</b>	<p>The user successfully completes the registration process.</p> <p>User gains access to their account on our platform.</p> <p>The information is securely saved in our company's database.</p>	
<b>Flow of Activity</b>	<p><u>Actor</u></p> <p>1) The Customer enters the app.</p> <p>2) The customer clicks on the "Sign Up" button to start the registration process.</p> <p>3) Customer fills out all the personal information asked by the system.</p>	<p><u>System</u></p> <p>2.1) Prompt the user to fill in their information.</p> <p>4) Verifies all the information provided.</p> <p>4.1) If accurate, creates a new account for user, otherwise redirects user to rectify information.</p>

	<p>3.1) User agrees to terms and conditions</p> <p>3.2) Submits the form.</p> <p>5) Receives a confirmation for successful registration.</p>	
<b>Exception Conditions</b>	<p>If the customer fails to provide the required information.</p> <p>If the email address is faulty or inappropriate.</p> <p>If an account has already been created with the same username.</p>	

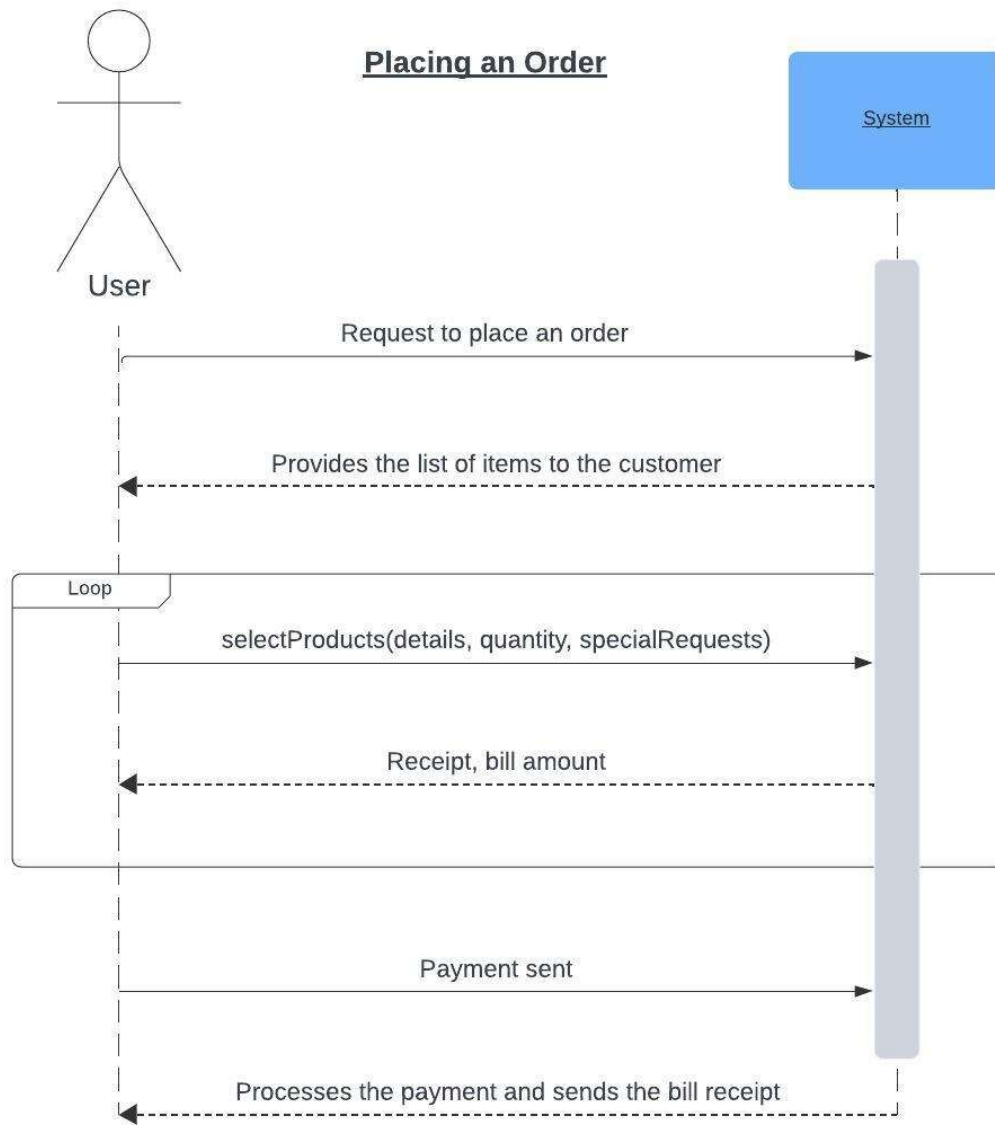
2) Activity Diagram

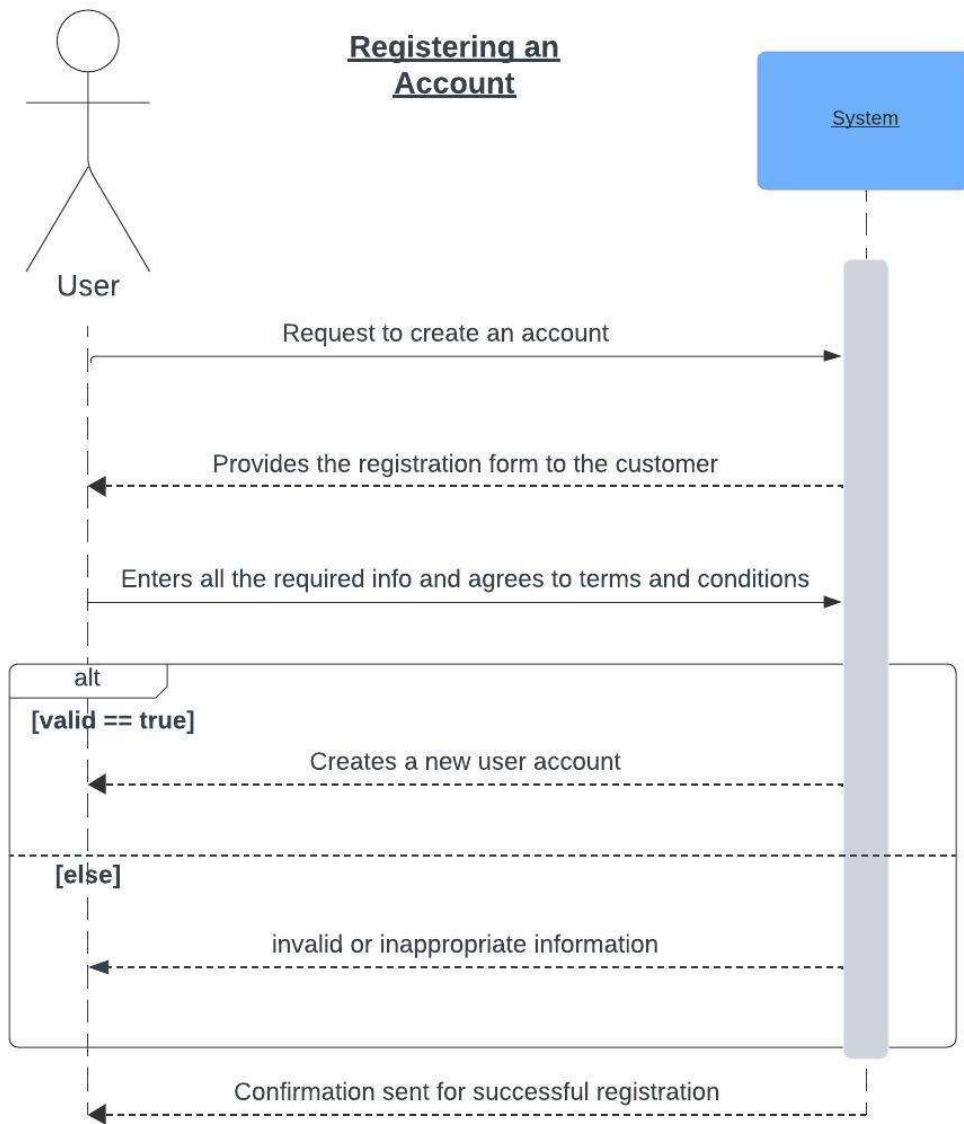






### 3) System Sequence Diagram





**CRC cards for Shopping Assistant System**

Order	
Maintain order information Calculate total price Link order to customer	Customer Item

**Back of the card**

orderId items customerId totalPrice
--

RegistrationProcess	
Tracking registration process Managing status Recording timestamp	User

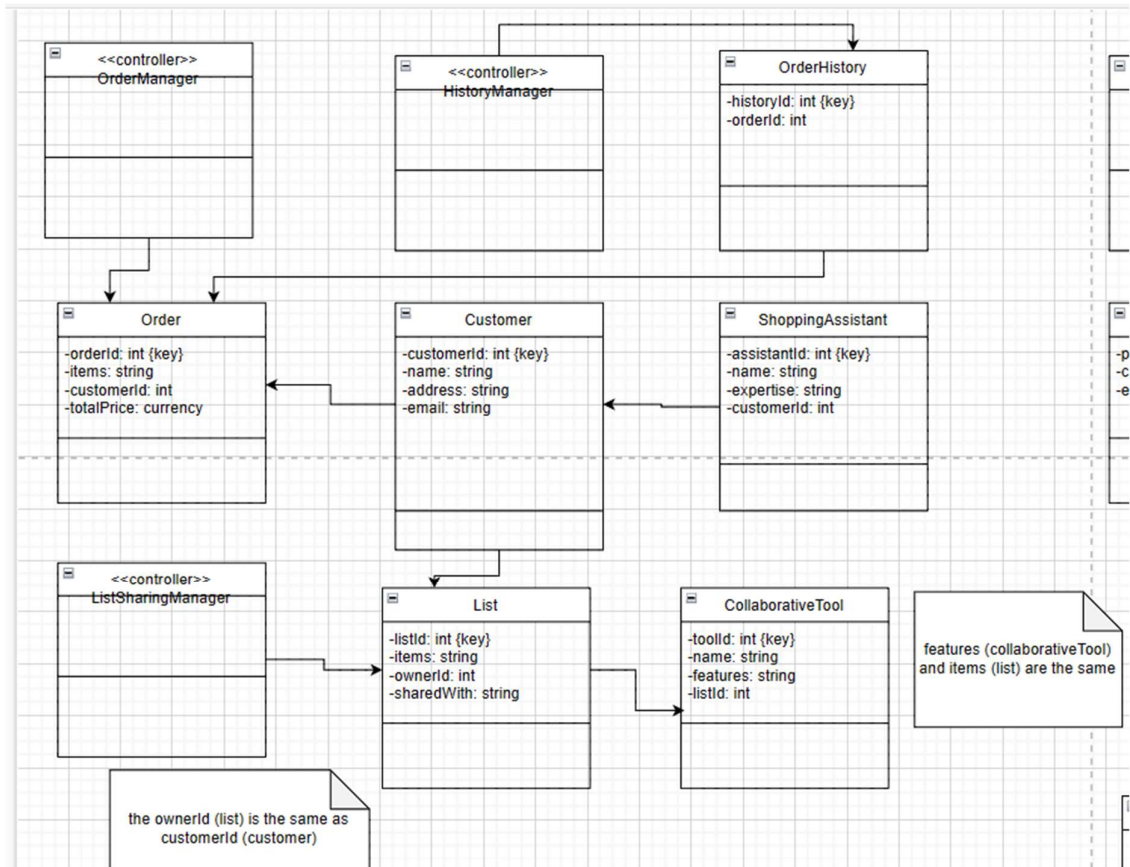
**Back of the card**

processId status stamp
------------------------------

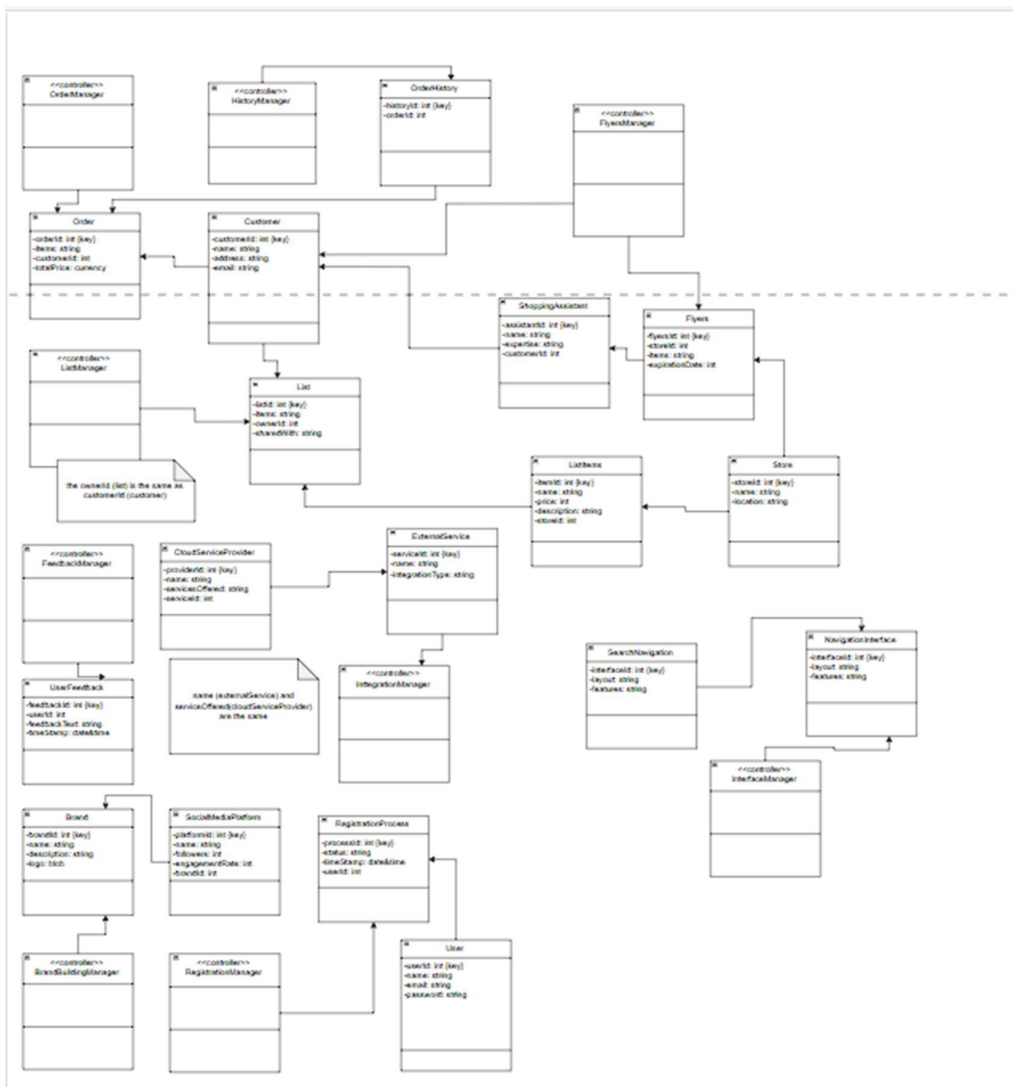
OrderHistory	
Maintaining customer history Linking to customer Recording order	Customer Orders

**Back of the card**

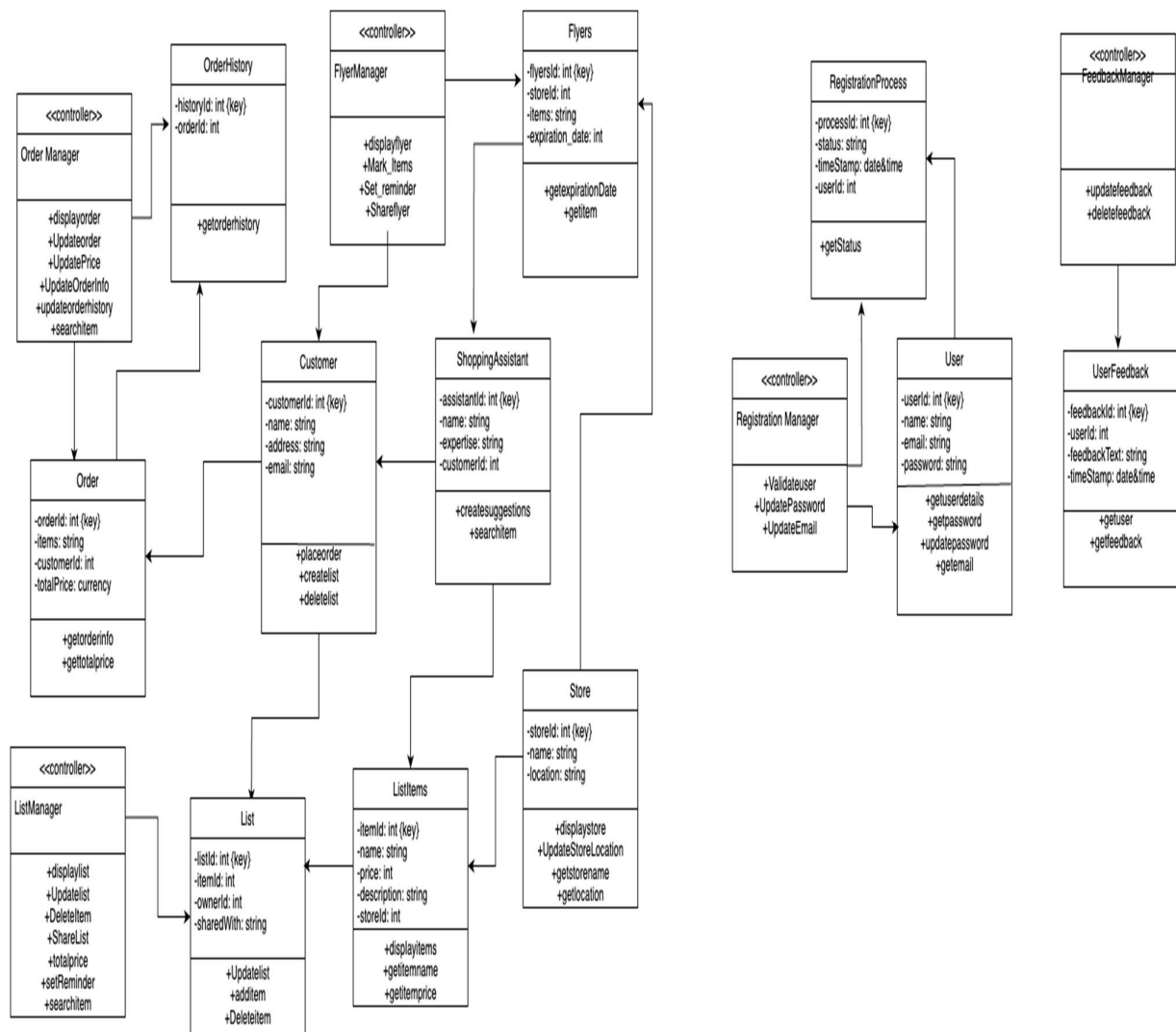
historyId customerId orders
-----------------------------------



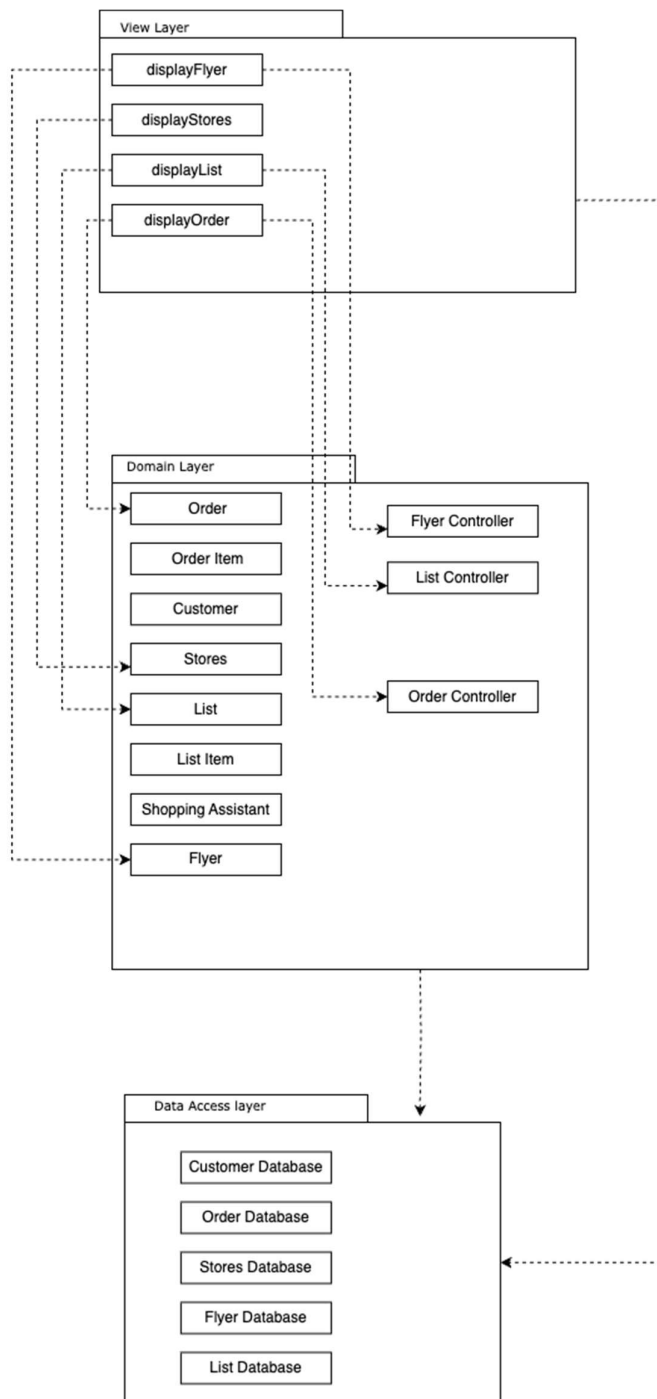
**FIRST CUT DESIGN CLASS DIAGRAM:** use case with controller added to place order and share list.



FIRST CUT DIAGRAM OF THE GENERAL SHOPPING ASSISTANT SYSTEM



**DESIGN CLASS DIAGRAM:-**



**PACKAGE DIAGRAM:-**