

NATIONAL INSTITUTE OF TECHNOLOGY CALICUT



Department of Computer Science Engineering

Design Diagram

Online Food Booking

(Version 1.0)

Submitted by

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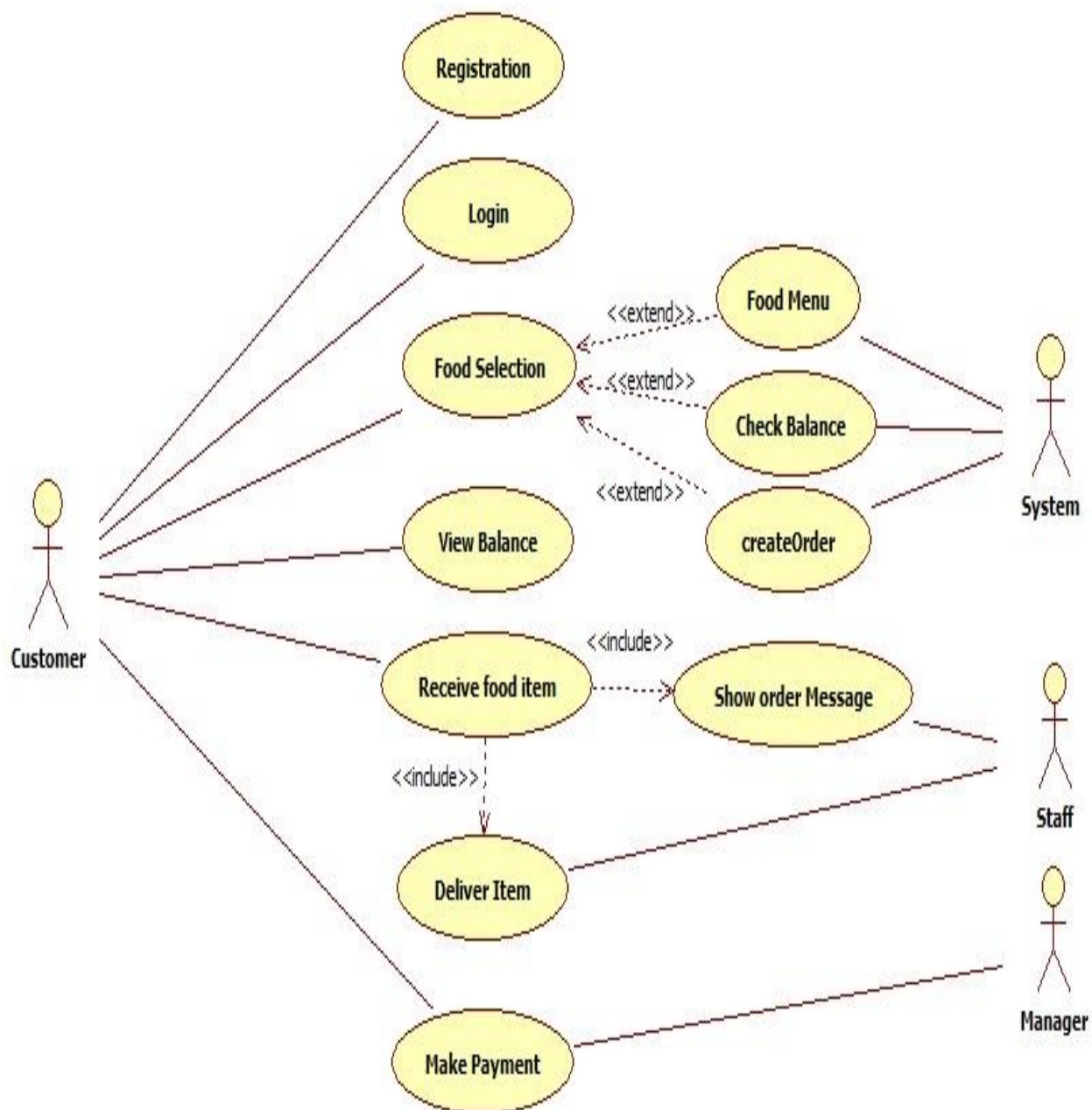
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1.0 Use Case

Combine Use Case: Customer



1.1 Registration

Use Case Name	Registration
Trigger	The New Customer assesses the online food booking Website
Precondition	The Web is displayed with grids for filling information
Basic Path	<ol style="list-style-type: none"> 1. The Customer fills the detailed with Name, Roll number, Password, Email. 2. After that Customer click on the submit button. The system will check the roll number and password from record account. 3. If the roll no. and password match with previous record then system will generate a message like "You are already registered". 4. Otherwise, system will store information about Customer and generate a message like "Registered Successful". 5. After that Customer can communicate with this system by roll no. and password.
Post condition	The customer successfully registered.
Exception path	Registered customer tries to register again.

1.2 Food selection

Use Case Name	Food Selection
Trigger	The Customer selects login link.
Precondition	The customer is on the web page where all food items are available.
Basic Path	<ol style="list-style-type: none"> 1. The Customer login on the system. 2. The Customer chooses the item from available items.

	<p>3. The system displays the choices to the Customer.</p> <p>4. The Customer must ensure that they have enough credit in his account to place order. Otherwise, system will generate a warning message to the Customer.</p>
Post condition	The item is selected.

1.3 Make payment

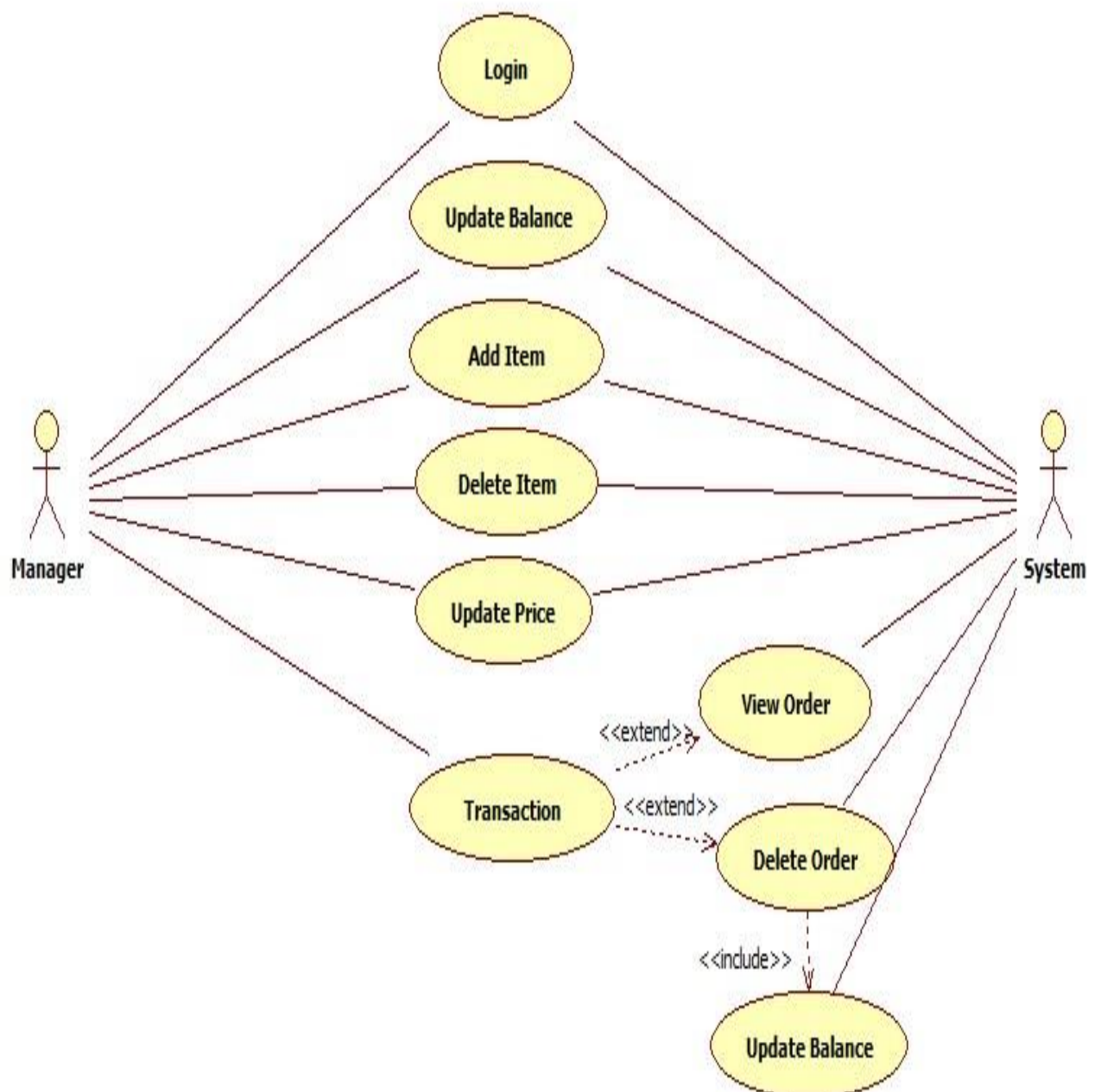
Use Case Name	Payment
Trigger	The manager updates the account in database of particular customer.
Precondition	The manager access the webpage for updating account.
Basic Path	<p>1. The Customer goes to the counter and give roll no. to the manager.</p> <p>2. The Manager accesses the website and select detail option for showing the detail about Customer.</p> <p>3. The Manager fills the roll no. of Customer and submits the form.</p> <p>4. System will show all information about the Customer.</p> <p>5. The Customer gives the advance rupees to the Manager.</p> <p>6. The Manager updates his balance and submits.</p> <p>7. The system finally updates the current information of Customer.</p>

Post Condition	Update the account of customer
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1.4 Receive food

Use Case Name	Receive food
Trigger	The customer takes item from mini canteen counter.
Precondition	The customer should reach on time.
Basic Path	<ol style="list-style-type: none">1. The Customer will go to Mini Canteen within the appropriate time.2. The Customer demand for food parcel with order number and roll number to the counter.3. The staff checks the delivery time according to the order number.4. The staff deliver food parcel to the Customer.
Post Condition	The customer will receive ordered food.

Combine Use Case: Manager



1.5 Add Item

Use case Name	Add Item
Trigger	The manager selects to add item to the database.
Precondition	The manager has accessed the add item page.
Basic Path	<ol style="list-style-type: none"> 1. The manager login into the system. 2. The manager selects to add item. 3. The system will show all previous items. 4. The manager adds the new item to the database. 5. The manager submits the form. 6. The system finally updates the database.
Post condition	The system finally adds the new item.

1.6 Delete Item

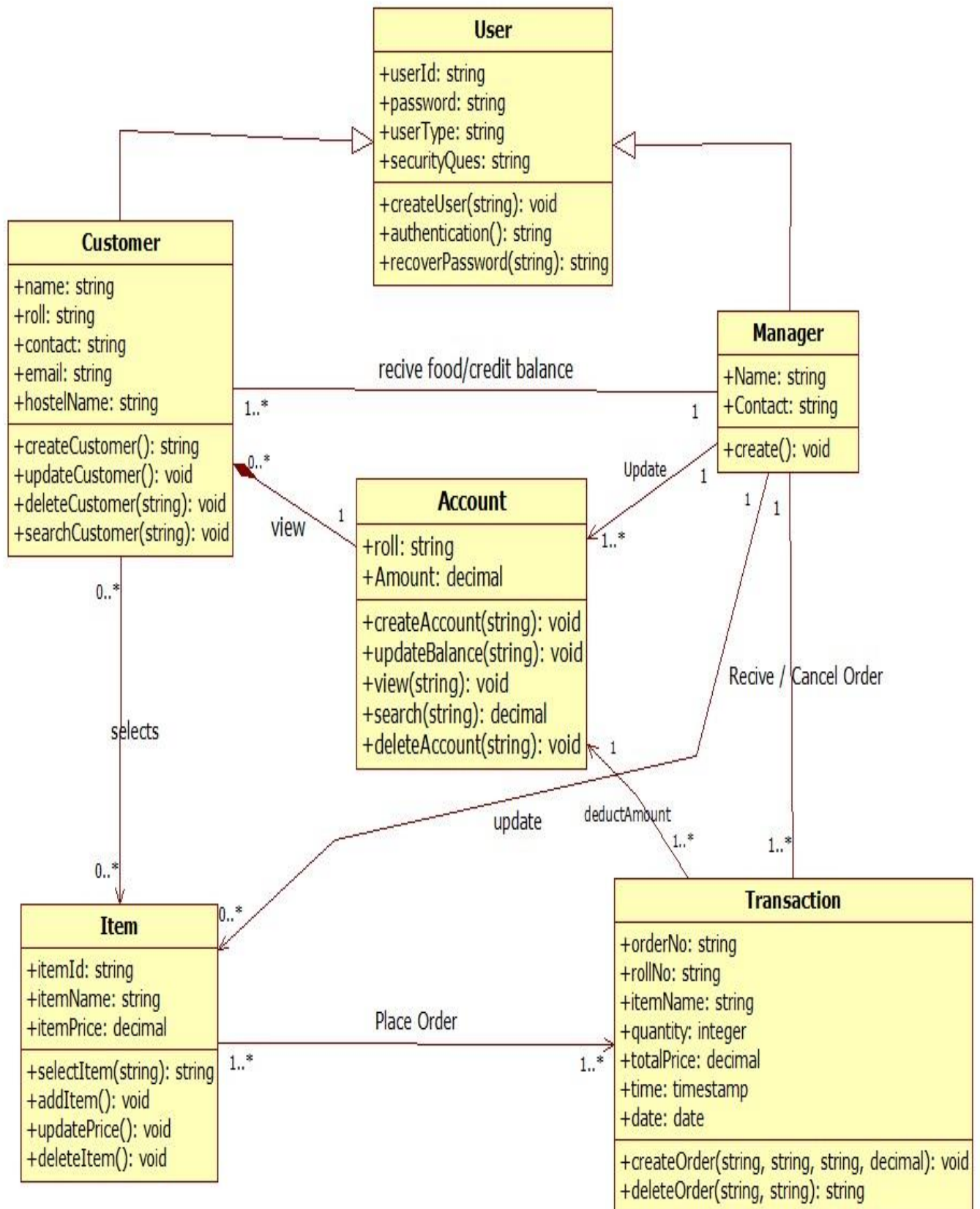
Use Case Name	Delete Item
Trigger	The manager selects to delete item from the database.
Precondition	The manager has accessed the delete item page.
Basic Path	<ol style="list-style-type: none"> 1. The manager login into the system. 2. The manager selects to delete item. 3. The system will show all previous items. 4. The manager deletes the existing item to the database. 5. The manager submits the form. 6. The system finally updates the database.
Post condition	The systems finally delete the existing item.

1.7 Update Balance

Use Case Name	Update balance
Trigger	The manager updates the account in database of particular customer.
Precondition	The manager access the webpage for updating account.
Basic Path	<ol style="list-style-type: none">1. The Manager accesses the website and select detail option for showing the detail about Customer.2. The Manager fills the roll no. of Customer and submits the form.3. System will show all information about the Customer.4. The Customer gives the advance rupees to the Manager.5. The Manager updates his balance and submits.8. The system finally updates the current information of Customer.
Post Condition	Update the account of customer

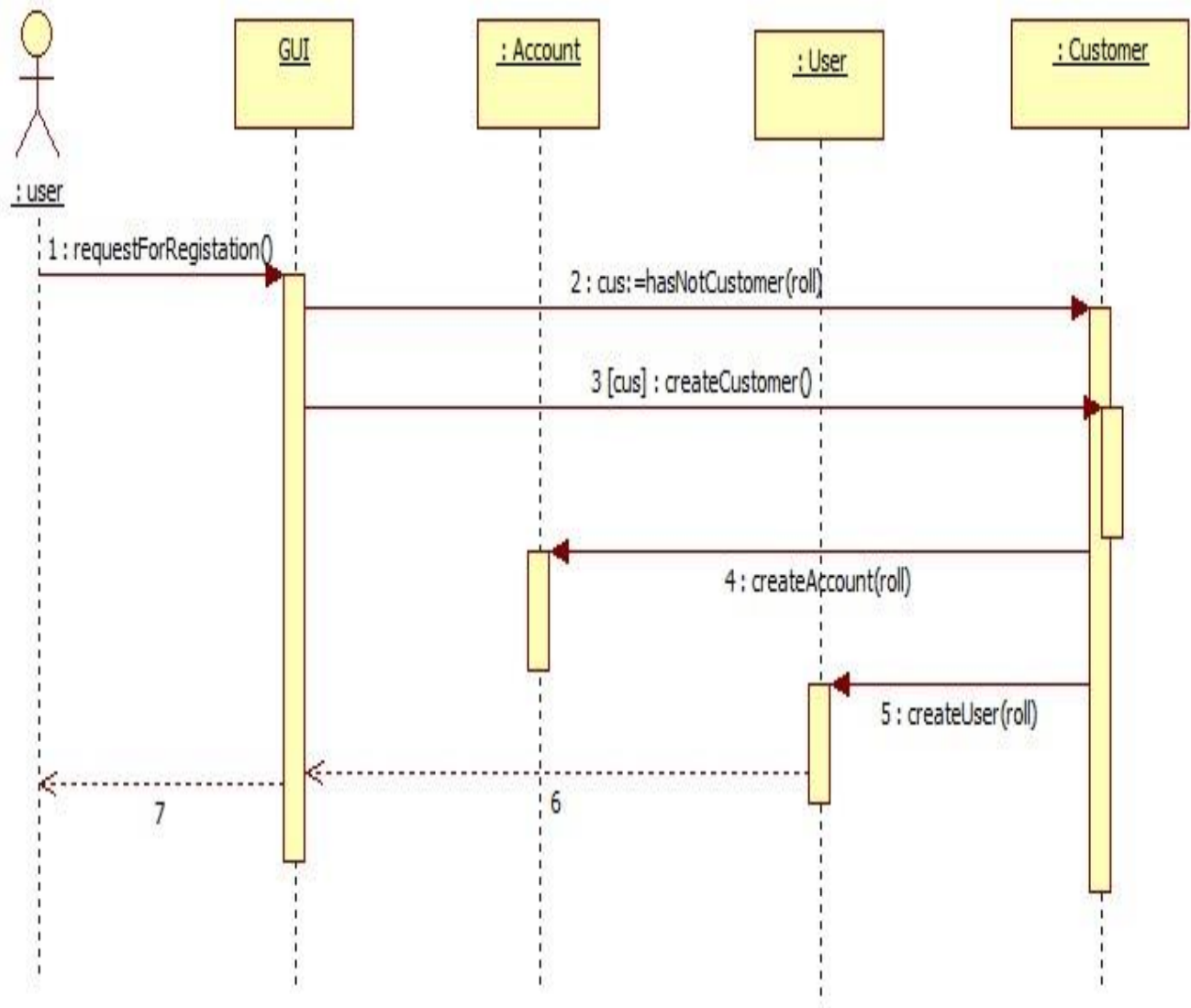
2.0 Class Diagram

- **USER:** User Class have common login interface to Customers and Manager but it will provide different features after authentication. It will distinguish by user type. It will have one extra attribute contains security answer for recover password.
- **MANAGER:** It will occur to prevent from unauthorized access having user Id and Password: There is no new form to create new user as Manager.
- **CUSTOMER:** Customer will have to register himself, then it will have user ID as roll number (inst. Id for Staff/Faculty) and password to proceed.
- **ACCOUNT:** It will create during new user registration having balance detail of each Customer, accessed by Customer, Manager and Transaction Class.
- **ITEM:** It will have Item ID, Name and price. There is no restriction for quantity.
- **TRANSACTION:** There will be generating order of items selected by customer. Manager will authorized to delete order, if customer does not receive ordered items.



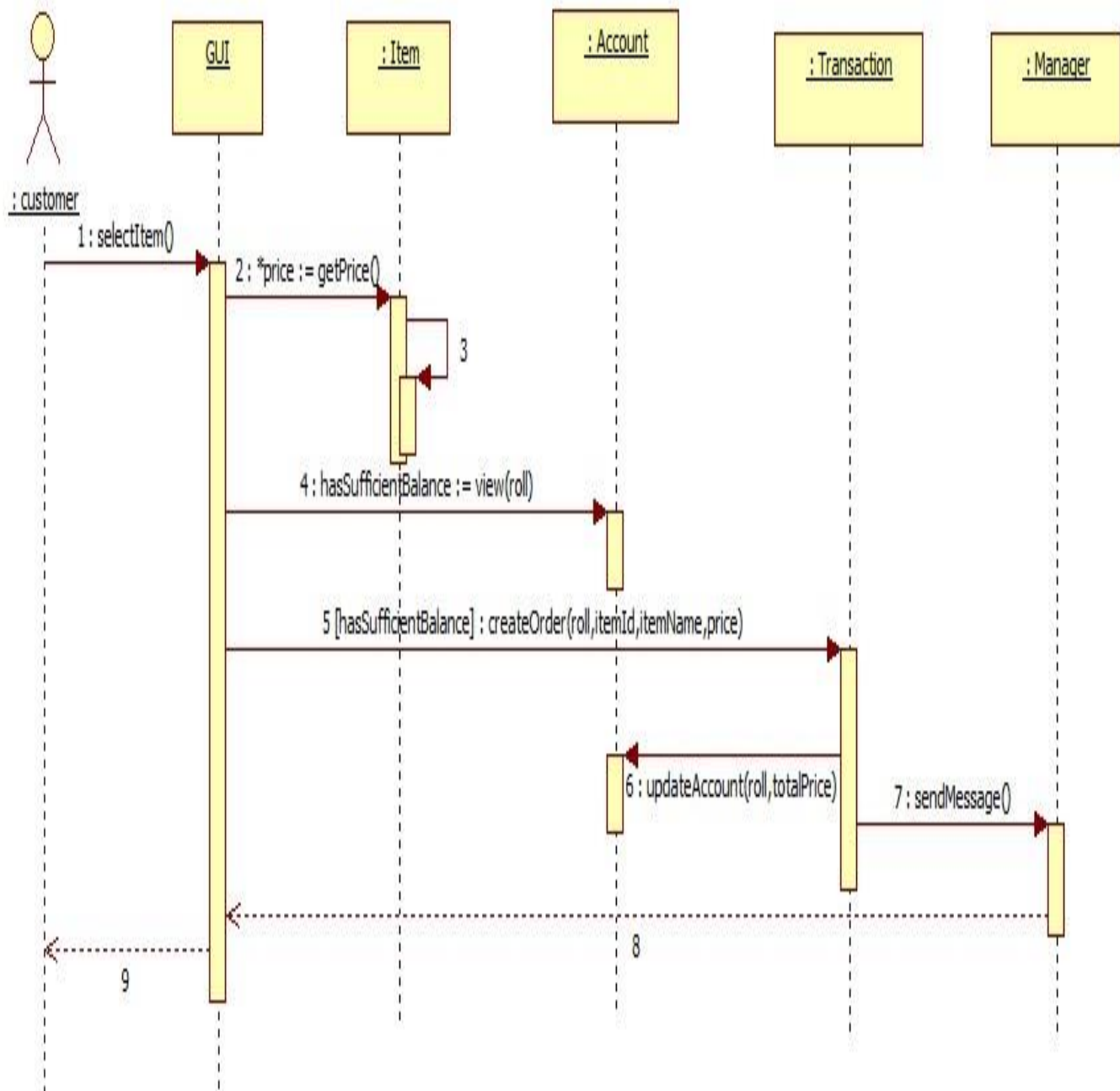
3.0 Sequence Diagrams

3.1 Sequence Diagram: Registration



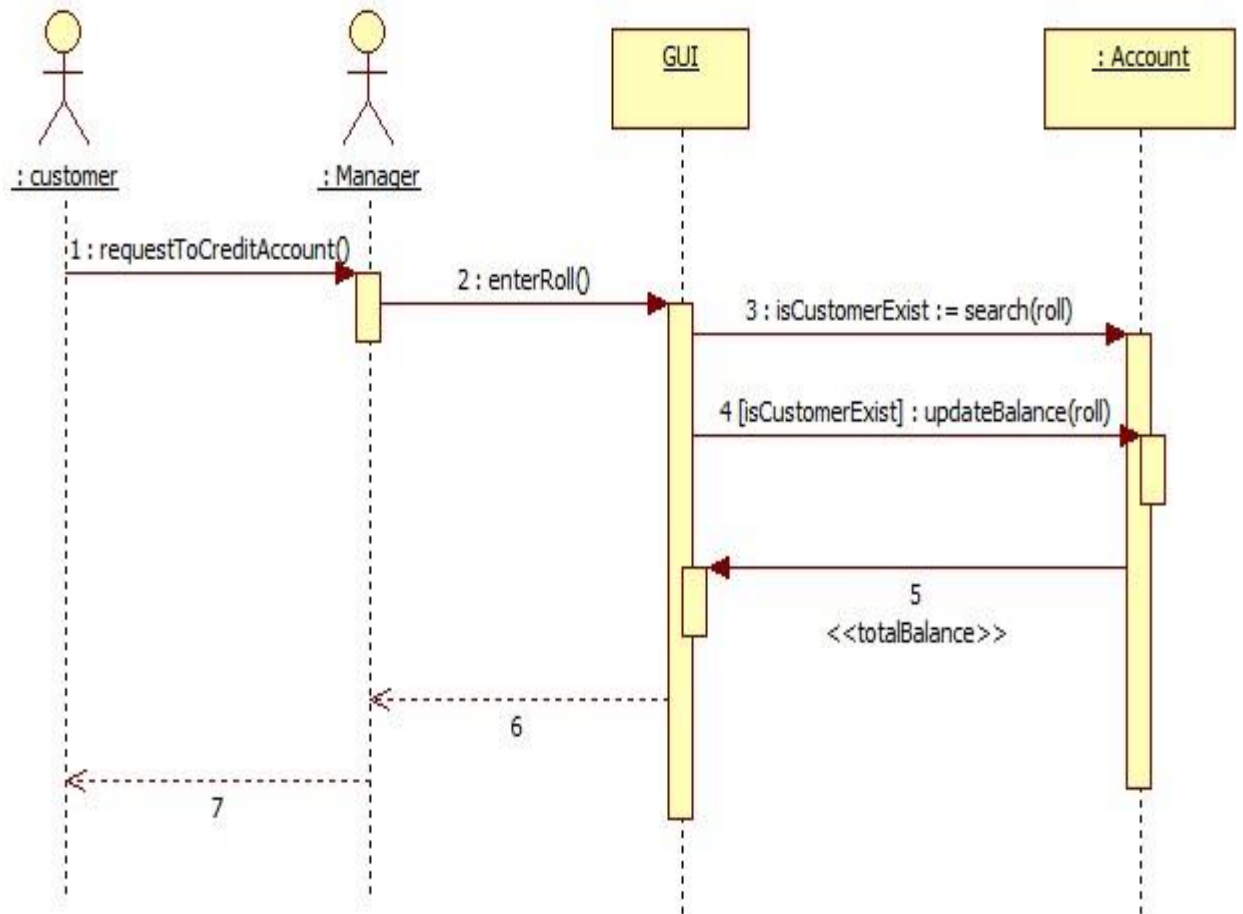
Reference Use Case: 1.1

3.2 Sequence Diagram: Food Selection



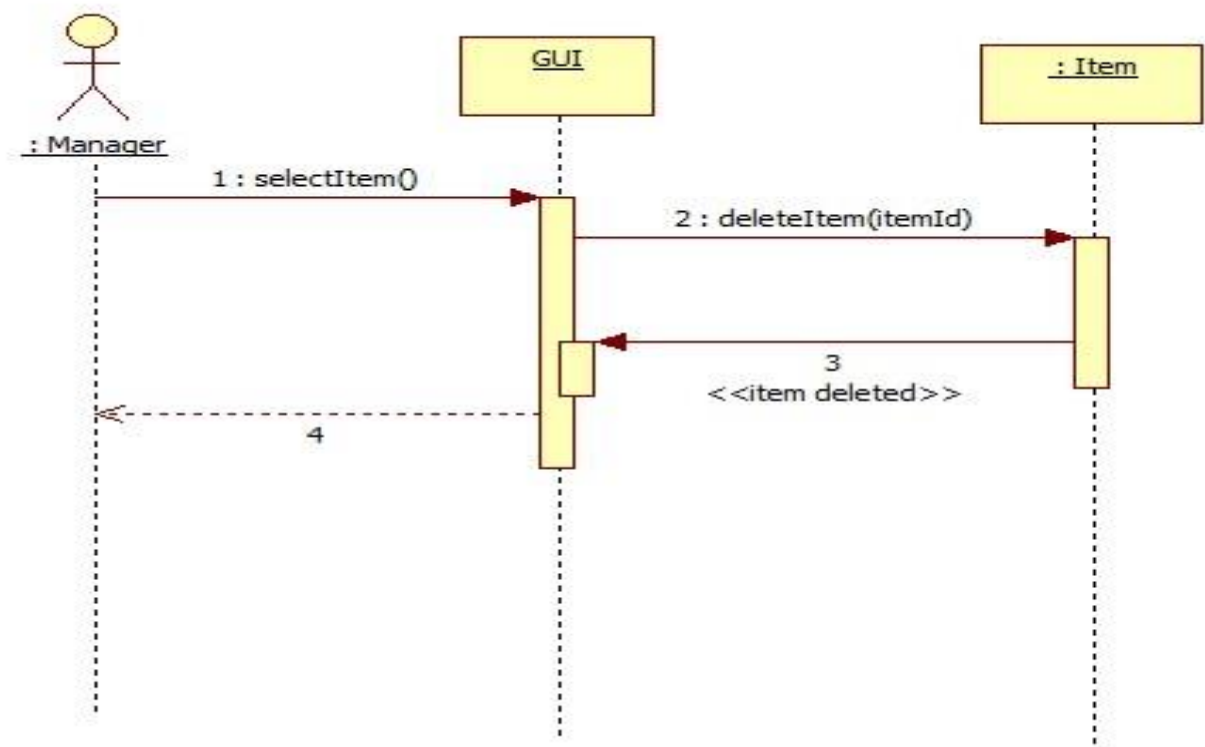
Reference Use Case: 1.2, 1.7

3.3 Sequence Diagram: Update Account



Reference Use Case: 1.3, 1.7

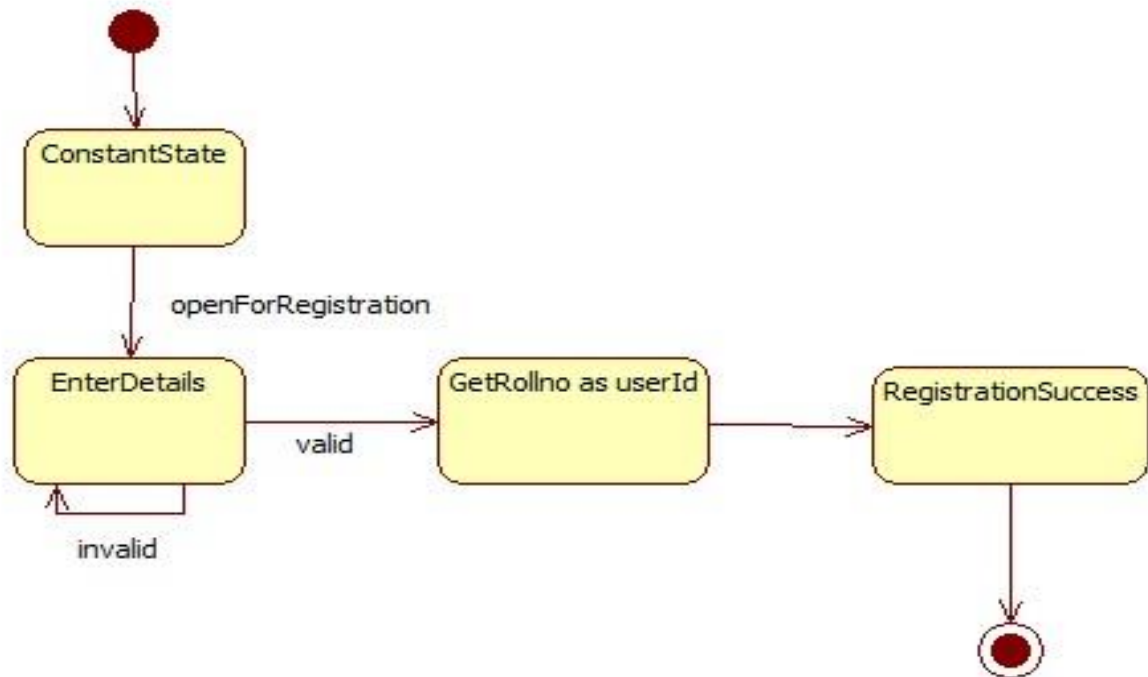
3.4 Sequence Diagram: Delete Item



Reference Use Case: 1.6

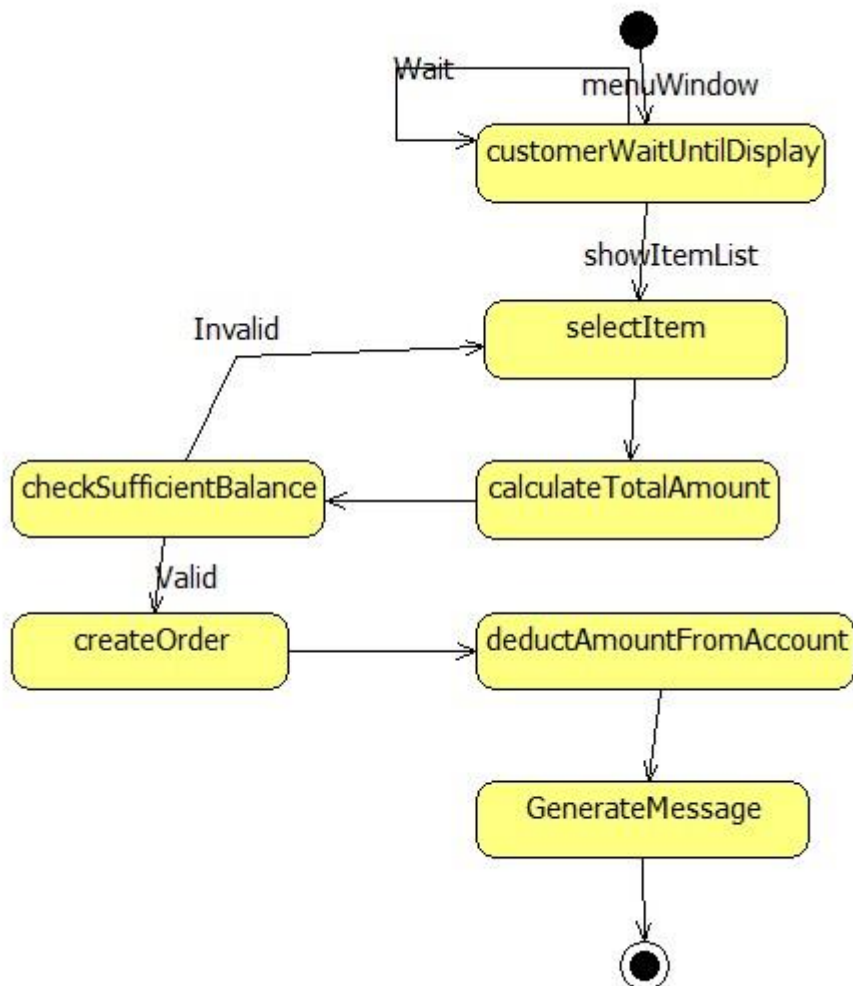
4.0 State Diagrams

4.1 State Diagram: Registration



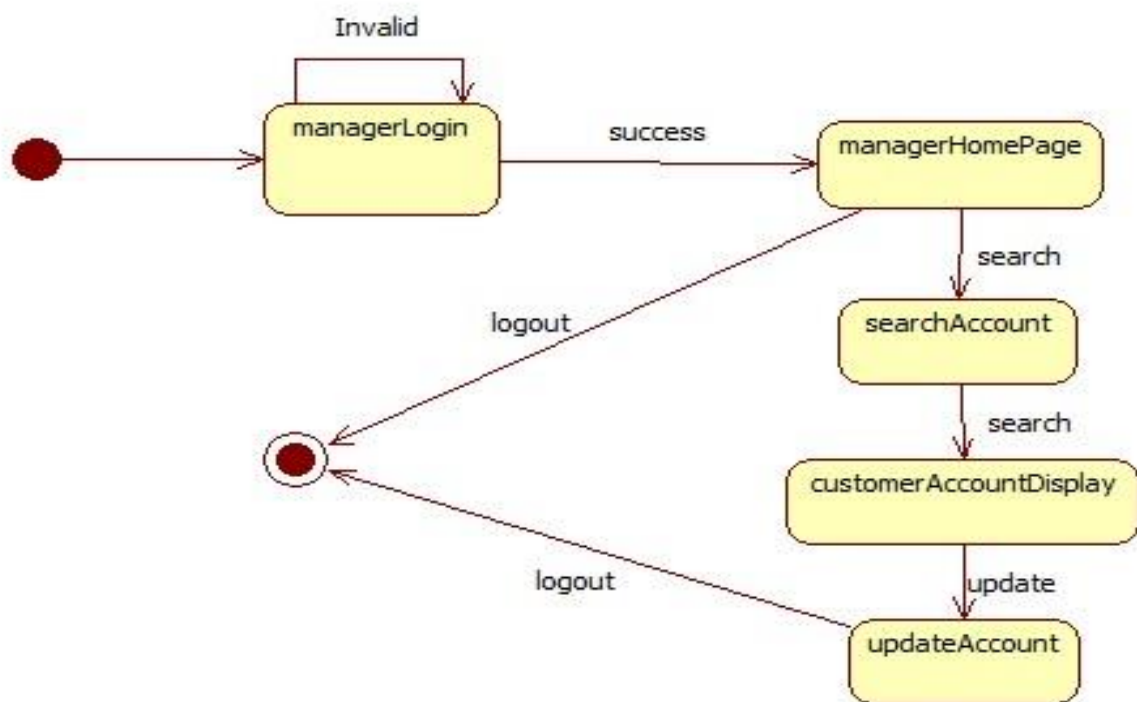
Reference Use Case: 1.1

4.2 State Diagram: Food Selection



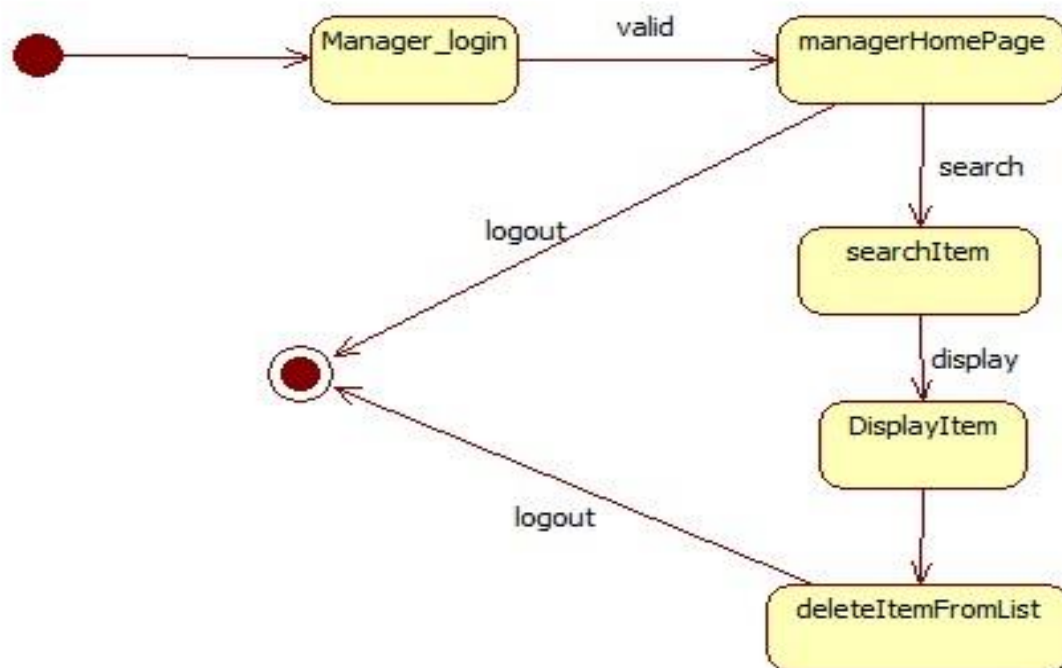
Reference Use Case: 1.2,1.7

4.3 State Diagram: Update Account



Reference Use Case: 1.3,1.7

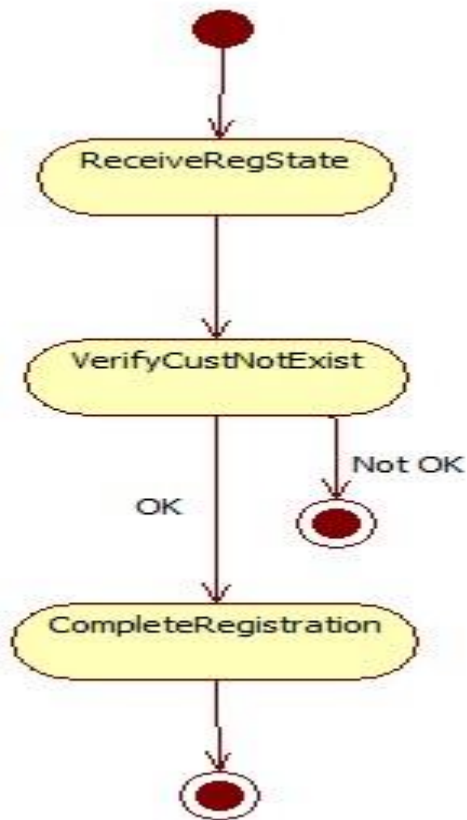
4.4 State Diagram: Delete Item



Reference Use Case: 1.6

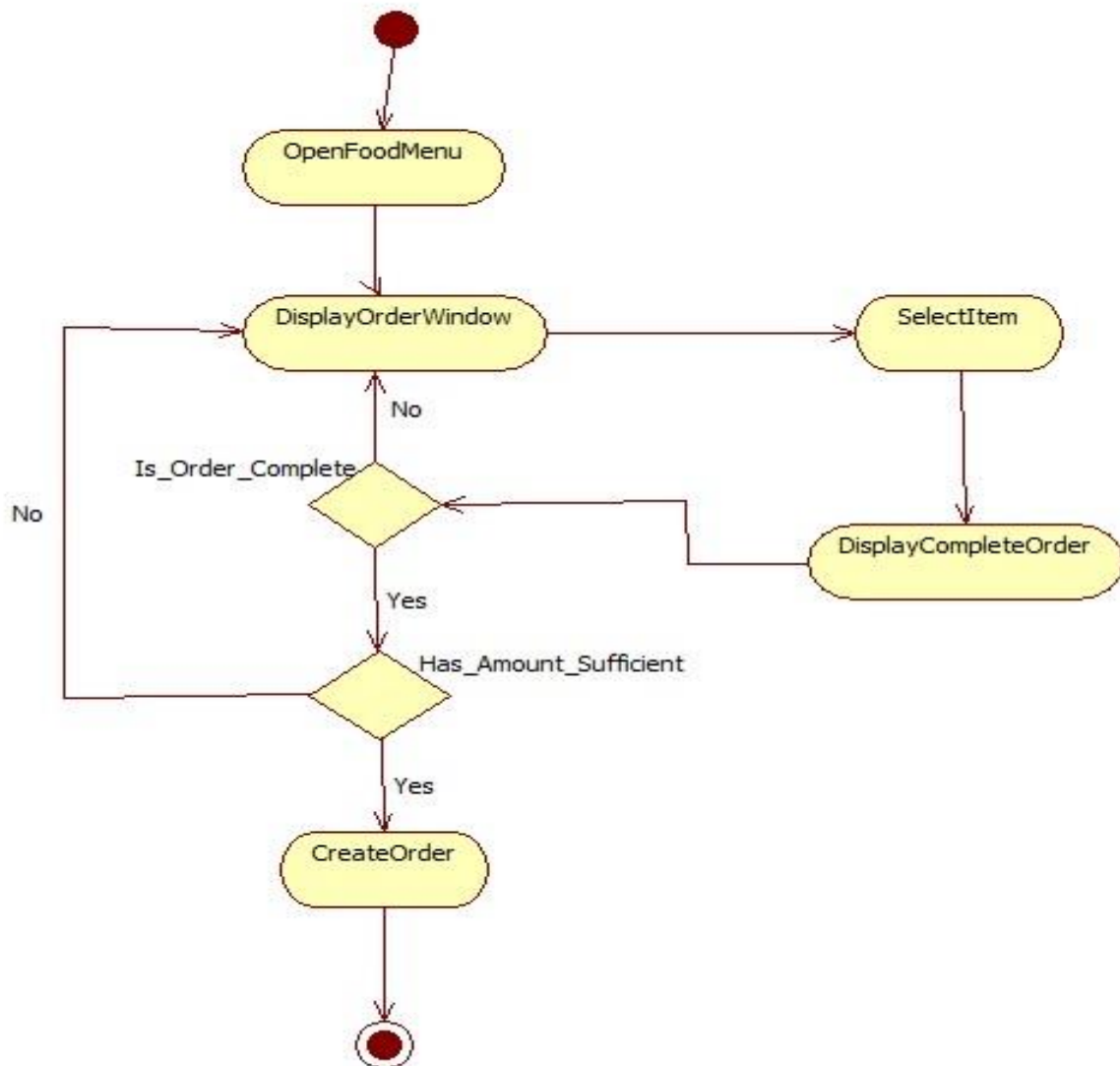
5.0 Activity Diagrams

5.1 Activity Diagram: Registration



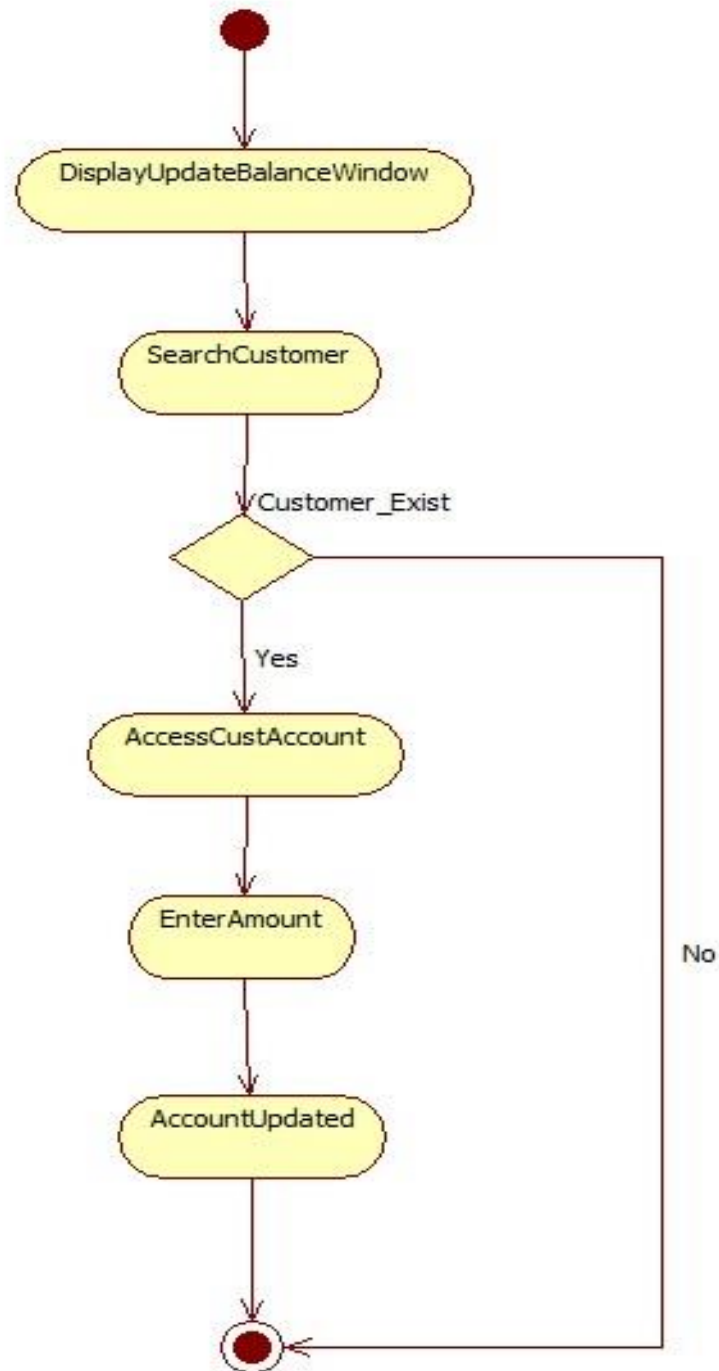
Reference Use Case: 1.1

5.2 Activity Diagram: Food Selection



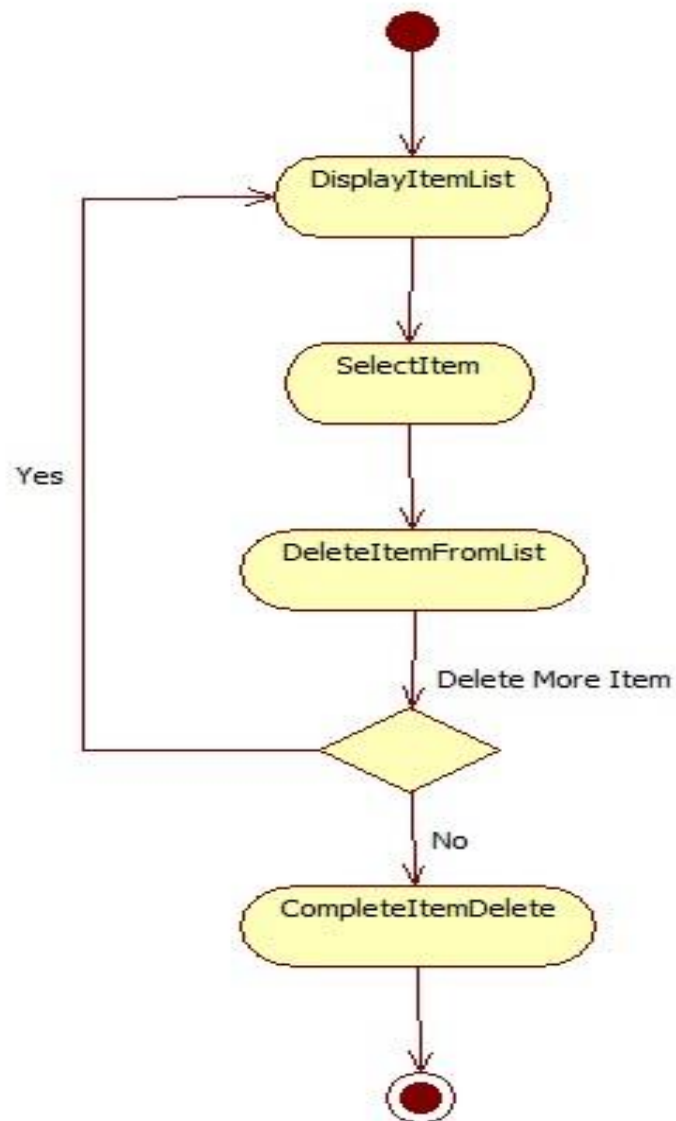
Reference Use Case: 1.2

5.3 Activity Diagram: Update Balance



Reference Use Case: 1.3, 1.7

5.4 Activity Diagram: Delete Items



Reference Use Case: 1.6