



THIS FORM IS FOR BOTH THE GENERAL & MEDICAL INFORMATICS PROGRAMMES

SE - I COURSE PROJECT (PHASE 1 COVER SHEET)

Discussions Scheduled for Week 8 (*more details will be announced later*).

- Print 1 copy of this cover sheet and attach it to a printed copy of the documentation (SRS, ... etc.). You must also submit softcopies of all your documents (*as PDFs*); details will be announced later.
- Please write all your names in Arabic.
- Please make sure that your students' IDs are correct.
- Handwritten Signatures for the attendance of all team members should be filled in before the discussion.
- Please attend the discussion on time (*announced separately*), late teams will lose 5 grades.

Project Name: An Application for Online Food & Grocery Delivery Service [Inspired by Talabat]

Team Information (*typed not handwritten, except for the attendance signature*):

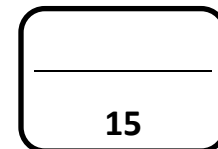
	ID [Ordered by ID]	Full Name [In Arabic]	Attendance [Handwritten Signature]	Final Grade
1	20210188	اندرو ايمن انسي عبد الملاك		
2	20210104	احمد محمد عبد المعز عبدالستار		
3	20210133	ادم محمد عطيه عبدالغني		
4	20210142	اسامة محمود عز الدين محمد عبدالله ربيع		
5	20210151	اسراء سعد حافظ محمد		
6	20210153	اسراء علي سيد محمود		
7	20210137	اروى شريف محمد احمد		

Grading Criteria:



10 Items		Grade	Notes
1. Functional Requirements	1		
2. Non-Functional Requirements	1		
3. Use-Case Diagram(s) including general use-cases for the system, and the detailed use-cases description	2		
4. System Architecture – including applied Architectural Pattern(s)	1		
5. Activity Diagrams	2		
6. Database Specification (ERD, Tables)	2		
7. Class Diagram (Interfaces, Classes, Relations) – An initial version based on the requirements and Use-Case/Activity diagrams.	2		
8. Object Diagrams (Including object diagrams that illustrate the preconditions and the post-conditions of selected functions)	1		
9. Package Diagram(s)	1		
10. Sequence Diagrams including System Sequence Diagrams (SSDs)	2		

Teaching-Assistant's Signature: _____





1.Introduction :

In today's fast-paced world, people are always on the go and have very little time to spare for activities such as grocery shopping and cooking. To address this need, online food and grocery delivery services have become increasingly popular. In this project, we will be presenting an application for an online food and grocery delivery service inspired by Talabat. Our goal is to provide a convenient and seamless experience for customers to order food and groceries from the comfort of their homes.

1.1 System overview

Our online food and grocery delivery service is a web-based system that consists of a customer interface, a vendor interface, and a delivery management system. Customers can order food and groceries through the customer interface, vendors can manage their products and orders through the vendor interface, and the delivery management system handles the delivery process. The system provides a convenient and efficient solution for customers to order and receive food and groceries from the comfort of their homes.



2– Requirements Specification

2.1 Functional Requirements

1. The app must allow the admin to manage users and restaurants profiles.
2. The app must allow the admin to add restaurant, delete restaurant, update restaurant profile.
3. The app must allow the admin to add or edit on the restaurant's menu.
4. The app must allow the admin to view customer profile, delete customer profile.
5. The app must allow the admin to add w new delivery boy to be assigned by a customer in ordering Process.
6. The app must allow the user to sign up if he do not have an account or log in if he has one.
7. The app must allow the user to update his profile information.
8. The app must allow the customer to add his location.
9. The app must allow customers to discover and search for restaurants.
10. The app must allow customers to select a restaurant.



- 11.** The app must allow customers to view the menu, prices, and images of food items from each restaurant.
- 12.** The app must allow customers to place an order.
- 13.** The app must allow customers to show the cart and edit or remove from it.
- 14.** the app must allow customers to checkout from the cart with a selected payment method (credit, cash)
- 15.** The app must allow customers to track the status of their order.
- 16.** The app must allow customers to leave feedback.
- 17.** The app must allow customers to add restaurant to their favourite list.
- 18.** The app must allow customers to access their order history and favourite restaurants.
- 19.** The app must provide the No Cutlery feature that lets customers option out of receiving disposable cutlery with their order.
- 20.** The app must provide the GEM feature that shows the customers offers and recommendations from restaurants.
- 21.** The app must allow the customer to assign the order to the available delivery partners.
- 22.** The app must have a FAQ page to help the user.
- 23.** The app must have a contact us page to help the user to connect.



2.2 Non-Functional Req:

Performance Requirements

- The website should provide greater performance with no delay. For food, who would be using web app on their desktop or phones, the performance should be good.
- The system must respond to the operation for user (admin) quickly.
- The application shall show success message if the operation was done correctly.
- The system should be compatible with all modern browsers.
- The system should respond to the operation messages to the users quickly.

Safety Requirements

- The system must handle safe login and logout through session.
- The database should be secured from SQL injection to prevent leak or loss of information.
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Reliability

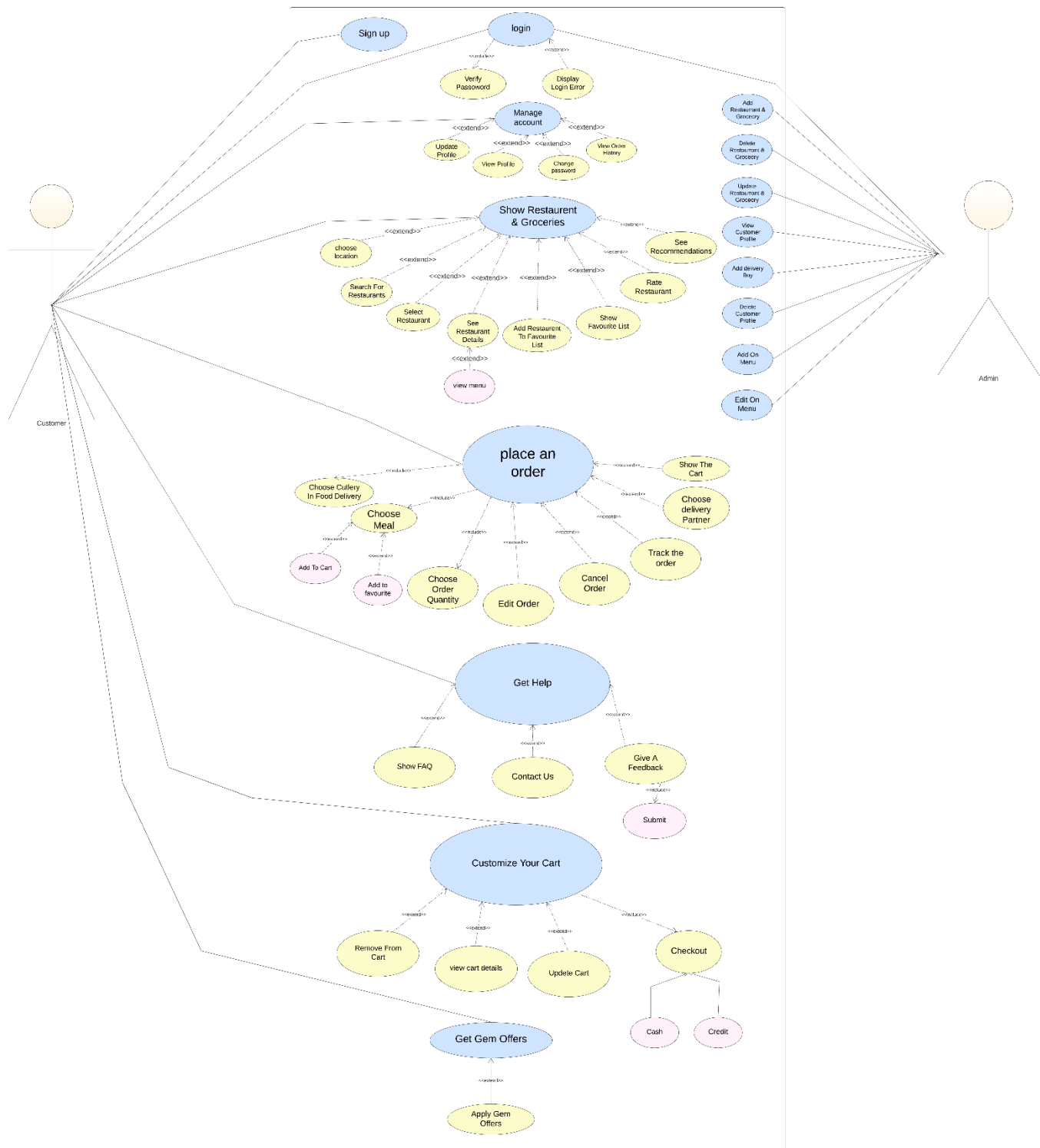
- The website should be reliable and provide catching of exceptions so that unintended results do not occur such as system crashes, or data validation failures.

Usability

- UI designed in easy way, so the user can use the system smoothly after spending an hour on it.

3 - Use Case:

3.1 Use case diagram





3.2 detailed Use case

1-sign up

Name	Sign up
Intiator	Customer.
Description	The system allows the customer to create an account.
Pre-Condition	The customer does not have an account
Post-Condition	an account has been created
Main success scenario	<ol style="list-style-type: none">1- The customer opens the website.2- The customer creates an account.3- An account has been created.
Alternative scenario	<ol style="list-style-type: none">1-the system fails to save the customer data to database2-the customer enter invalid information

2- Log In

Name	Log In
Intiator	Admin and customer.



Description	The system will allow the user to log in with username and password.
Pre-Condition	The user opens the website.
Post- Condition	The user have his access on his profile on website.
Main success scenario	<ol style="list-style-type: none"> 1. The user opens the website. 2. The user enters his username and password. 3. If his information is correct, he will enter the website successfully
Alternative scenario	<ol style="list-style-type: none"> 1. The user enters wrong information. 2. The system can't verify the entered data

3- View customer

Name	View customer
Intiator	Admin.
Description	The system will allow the admin to view a choosen customer
Pre-Condition	The admin logged in
Post- Condition	The customer profile is displayed to the admin



Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website 2. The admin logged in. 3. The admin selects to view the customer profile
Alternative scenario	<ol style="list-style-type: none"> 1. The system does not allow the admin to view customer profiles.

4- Delete customer

Name	Delet customer
Intiator	Admin.
Description	The system will allow the admin to delete a choosen customer
Pre-Condition	The admin logged in and view customer
Post- Condition	The customer profile is succssfully deleted .
Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website. 2. The admin logged in. 3. The admin views a customer. 4. The admin selects to delete this customer



Alternative scenario	<ol style="list-style-type: none"> 1.admin can not access the customer profile 2. the sytem doesn't allow the admin to delete the customer profile
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5-search restaurant

Name	Search restaurant
Intiator	Customer
Description	The system allow the customer to search for a restaurant.
Pre-Condition	The customer logged in if he has an account or sign up if he has not.
Post-Condition	The system display the restaurant the customer searched for.
Main success scenario	<ol style="list-style-type: none"> 1- The customer opens the website. 2- The customer signs up or log in if he already has an account. 3- The customer decides to search for his restaurant
Alternative scenario	<ol style="list-style-type: none"> 1- The customer cannot find the restaurant he want. 2- The system fails to show the search bar to the customer.

6-see recommendations

Name	
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	See recommendations
Intiator	Customer.
Description	The system allows the customer to ask for a recommendation
Pre-Condition	The customer logged in if he has an account.
Post-Condition	The system displays the recommended restaurants.
Main success scenario	<ol style="list-style-type: none"> 1- The customer opens the website. 2- The customer logs in if he has an account. 3- The customer asks for recommendation. 4- The system displays the recommended restaurants.
Alternative scenario	<ol style="list-style-type: none"> 1- The system doesn't display any recommendations.

7- choose location

Name	Choose location
Intiator	Customer.
Description	The system will ask the user about the location then the system will save the information to the database.
Pre-Condition	The customer opens the website.



Post- Condition	customer write his location and saved by the system
Main success scenario	<ol style="list-style-type: none"> 1. The customer opens the website. 2. The customer logged in. 3. The system ask customer for his location 4. The customer adds his location 5. The system submits his location
Alternative scenario	<ol style="list-style-type: none"> 1. The customer cannot find his location in map 2. The system can't submit the customer location

8-select restaurant

Name	Select restaurant
Intiator	Customer.
Description	The system shows the customer alot of restaurant to select from
Pre-Condition	The customer opens website and choose from restaurants.
Post-Condition	the customer selected the restaurant successfully and can access menu to order .
Main success scenario	<ol style="list-style-type: none"> 1. The customer logged in successfully. 2. The system allows the customer to search restaurant. 3. The system allows the customer to select any restaurant
Alternative scenario	1.the system doesn't allow the customer to select a resturant



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9-Select meal

Name	Select meal
Intiator	Customer
Description	The System must allow the user to Choose a meal from a menu of food
Pre-Condition	the customer enter to the website and choose the restaurant.
Post-Condition	The customer choose his meal
Main success scenario	<ol style="list-style-type: none"> 1- The customer opens the website. 2- The customer log in 3- The customer chooses a restaurant. 4- The system allows the customer to choose a meal. 5- The system shows the customer the selected meal
Alternative scenario	<ol style="list-style-type: none"> 1- The customer can't find the meal he wants. 2- The meal was sold out.

10-choose delivery boy



Name	Choose delivery boy
Intiator	Customer.
Description	The system allow the customer to choose a delivery boy.
Pre-Condition	The customer select a restaurant , order and add it to cart
Post-Condition	The customer has chosen the delivery boy he need.
Main success scenario	<ol style="list-style-type: none"> 1- The customer selects a restaurant. 2- The customer selects an order. 3- The customer adds the order to his cart. 4- The customer chooses the delivery boy from the options.
Alternative scenario	<ol style="list-style-type: none"> 1- The customer cannot find any available delivery boy.

11- Toggle-not-cutlery

Name	Toggle-not-cutlery
Intiator	Customer
Description	The system allow the customer to decide he need a cutlery or not.



Pre-Condition	The customer select a restaurant and his meal
Post-Condition	The system has known he need a cutlery or not.
Main success scenario	<ol style="list-style-type: none"> 1- The customer selects a restaurant. 2- The customer selects an order. 3- The customer adds the order to his cart. 4-The customer decide he need cutlery or not.
Alternative scenario	<ol style="list-style-type: none"> 1- The system fails to show the option to the customer.

12-Add to cart

Name	Add to cart
Intiator	Customer.
Description	The system allows the customer to add his order to cart
Pre-Condition	The customer choose a restaurant and a meal
Post-Condition	the customer added his meal to cart
Main success scenario	<ol style="list-style-type: none"> 1- The customer opens the website. 2- The customer logged in. 3- The customer chooses the restaurant. 4- The customer chooses and add the meal to cart.



Alternative scenario	1- The customer can not find his order in the cart 2- The system doesn't response to the customer instructions
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13-remove from cart

Name	Remove from cart
Intiator	Customer
Description	The system allow the customer to remove a product from his cart
Pre-Condition	The customer select a restaurant and his order and add it to cart
Post-Condition	The product is removed from the cart.
Main success scenario	1- The customer selects a restaurant. 2- The customer selects an order. 3- The customer adds the order to his cart. 4- The customer removes the order from his cart.
Alternative scenario	1- The customer cannot find his order in the cart. 2- The system doesn't response to the customer instructions



14- cancel order

Name	Cancel order
Intiator	Customer.
Description	The System must allow the customer to Cancel his Order at any time.
Pre-Condition	The customer must have opened the cart
Post-Condition	The order will be deleted from the cart
Main success scenario	<ol style="list-style-type: none"> 1. The customer chooses the restaurant. 2. The customer chooses the meal. 3. The customer opens the cart. 4. The system allows to user to delete the order from cart. 5-the order is canceled
Alternative scenario	1.the system doesn't response to the order canceling process

15-check out

Name	Check out
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Initiator	Customer.
Description	The customer can choose the food and add to the cart and then choose the way who want pay by it
Pre-Condition	The customer would choose the food and choose the way of payment.
Post-Condition	The order will be saved
Main success scenario	1-the customer choose the food 2-add the food to cart 3-choose way of payment 4-system will save the information
Alternative scenario	1-the customer entered a wrong card number 2-the card hasn't enough sufficient funds 3-the system fails to save the information

16-track order

Name	Track order
Initiator	Customer.
Description	The system allows the customer to track his order.
Pre-Condition	The customer will know about his order status.
Post-Condition	customer can follow his order untill it reach



Main success scenario	<ol style="list-style-type: none"> 1. The customer chooses the order. 2. The customer can enable gps 3. Then can follow his order
Alternative scenario	1.the system fails to show the status of the order

17- rate restaurant

Name	Rate restaurant
Initiator	Customer.
Description	The System must allow customer to Rate The Restaurant and the Service.
Pre-Condition	The customer choose the restaurant and the meal, and his order is ended.
Post-Condition	The customer gives his opinion of the restaurant
Main success scenario	<ol style="list-style-type: none"> 1- The customer chooses the restaurant. 2- The customer chooses the meal. 3- The order has ended. 4- The system allows the customer to write his feedback.
Alternative scenario	1-the system fails to save the rate that have been submitted by the user



18- Add to fav

Name	Add to fav
Intiator	customer.
Description	The system will allow the customer to add a restaurant to his favorite list
Pre-Condition	The customer logged in and select a restaurant
Post- Condition	The customer added a restaurant to his favorite list .
Main success scenario	<ol style="list-style-type: none"> 1. The customer opens the website. 2. The customer logged in. 3. The customer search for a restaurant 4. The customer selects a restaurant. 5. The customer adds this restaurant to his favorite list.
Alternative scenario	<ol style="list-style-type: none"> 1.the customer could not select the restaurant 2.the customer could not put the restaurant to his favorite list 3.the system doesn't response to customer instraction

19-feedback

Name	Feedback
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Initiator	Customer.
Description	the customer record reaction to a restaurant, food, or performance of the service
Pre-Condition	The customer must log in to the website
Post-Condition	feedback sent to admin
Main success scenario	<ol style="list-style-type: none"> 1. The customer logs in 2. The customer writes feedback. 3. Submit
Alternative scenario	<ol style="list-style-type: none"> 1-the system fails to save the feedback 2-the system doesn't allow the customer to leave his feedback

20-Apply gem offers

Name	Apply gem offers
Initiator	Customer.
Description	The system allows the customer to use the gem offers.
Pre-Condition	The customer logged in and check gem offers
Post-Condition	The customer has an offer in his order .



Main success scenario	<ol style="list-style-type: none"> 1- The customer opens the website. 2- The customer logs in if he has an account. 3- The customer checks gem offers. 4- The customer applies gem offers.
Alternative scenario	<ol style="list-style-type: none"> 1-the customer didn't find any available offers. 2-the system doesn't provide any offers.

21- Add Restaurant

Name	Add Restaurant
Intiator	Admin.
Description	The system will allow the admin to add a restaurant to the restaurants list
Pre-Condition	The admin logged in and select to add restaurant
Post- Condition	The restaurant is successfully added to the restaurant list .
Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website. 2. The admin logged in. 3. The admin selects to add a new restaurant
Alternative scenario	<ol style="list-style-type: none"> 1-the system can't save the data 2-the system has error and can not response to admin instructions



22- Delete Restaurant

Name	Delete Restaurant
Intiator	Admin.
Description	The system will allow the admin to delete a specific restaurant form the restaurants list.
Pre-Condition	The customer logged in and select a restaurant
Post- Condition	The restaurant is successfully deleted from the restaurant list.
Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website. 2. The admin logged in. 3. The admin selects a restaurant. 4. The admin selects to delete this restaurant from the list
Alternative scenario	<ol style="list-style-type: none"> 1-the system can't save the data 2-the system has error and can not response to admin Istractions 3-the admin can't select the restaurant

23- view Menu

Name	View Menu
Intiator	customer.
Description	The system will allow the customer to view the menu of a selected restaurant



Pre-Condition	The customer logged in and select a restaurant
Post- Condition	The system displays the menu to the customer
Main success scenario	<ol style="list-style-type: none"> 1. The customer opens the website. 2. The customer logged in. 3. The customer search for a restaurant 4. The customer selects a restaurant. 5. The customer selects to view the menu.
Alternative scenario	<ol style="list-style-type: none"> 1.the system doesn't response to customer Instruction 2.The customer can't access the menu 3.the menu has been deleted

24- Add menu

Name	Add menu
Intiator	Admin.
Description	The system will allow the admin to add a new menu to a selected restaurant
Pre-Condition	The admin logged in and select a restaurant
Post- Condition	The restaurant is successfully has a new menu



Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website. 2. The admin logged in. 3. The admin selects a restaurant. 4. The admin selects to add a menu for this restaurant.
Alternative scenario	<ol style="list-style-type: none"> 1-the system can't save the data 2-the system has error and can not response to admin Instructions 3-The admin can't find the menu he wanna add

24- Edit Menu

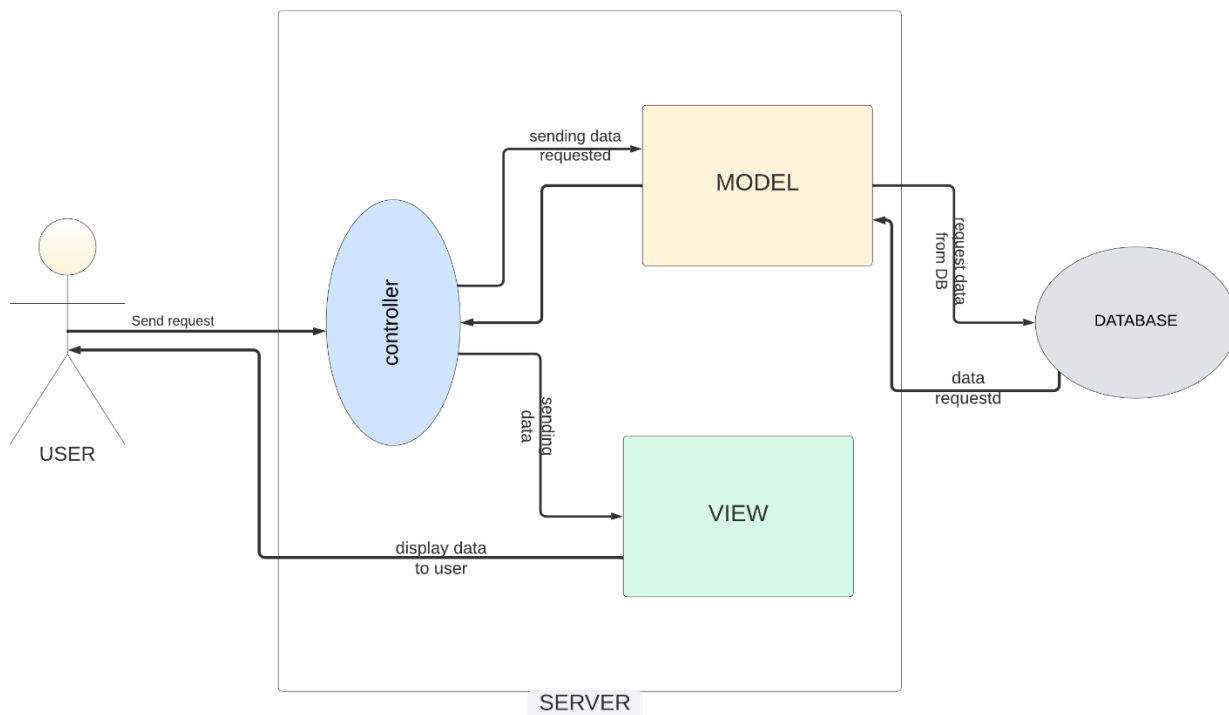
Name	Edit Menu
Intiator	Admin.
Description	The system will allow the admin to edit on exisited menu from a restaurant
Pre-Condition	The customer logged in and select a restaurant
Post- Condition	The selected restaurant menu is edited with the new items
Main success scenario	<ol style="list-style-type: none"> 1. The admin opens the website. 2. The admin logged in 3. The admin select restaurant 4. The admin select to edit on a current menu
Alternative scenario	<ol style="list-style-type: none"> 1- The system doesn't accept the modified data 2- The admin can't access the menu



25- Add Delivery

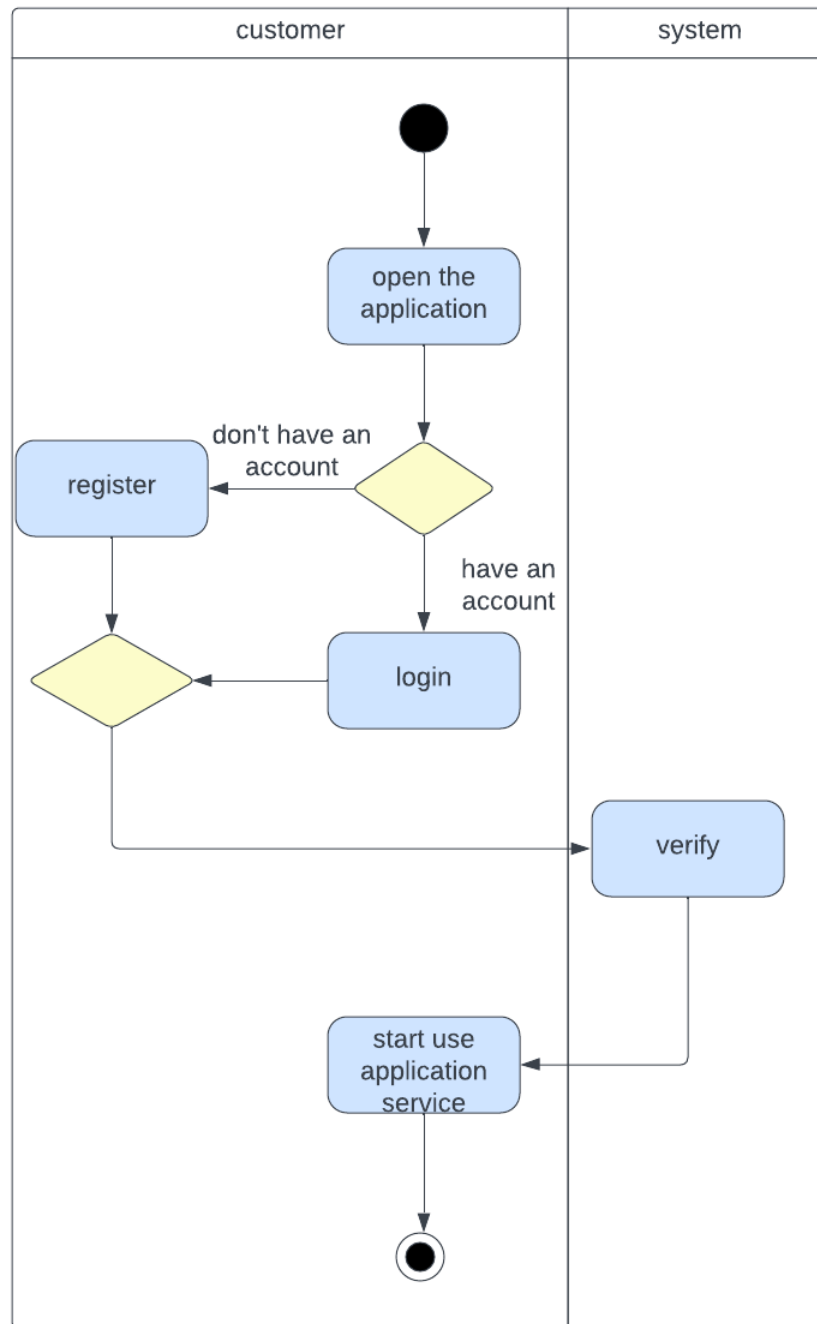
Name	Add delivery
Intiator	Admin.
Description	The system will allow the admin to add a new delivery boy
Pre-Condition	The admin logged in
Post- Condition	The new delivery boy will be avalibale to assiggn by a customer while ordering proccess.
Main success scenario	<ol style="list-style-type: none">1. The admin opens the website2. The admin logged in3. The admin select to add a new delivery boy
Alternative scenario	<ol style="list-style-type: none">1. The system doesn't response to the instruction

4 – System Architecture :

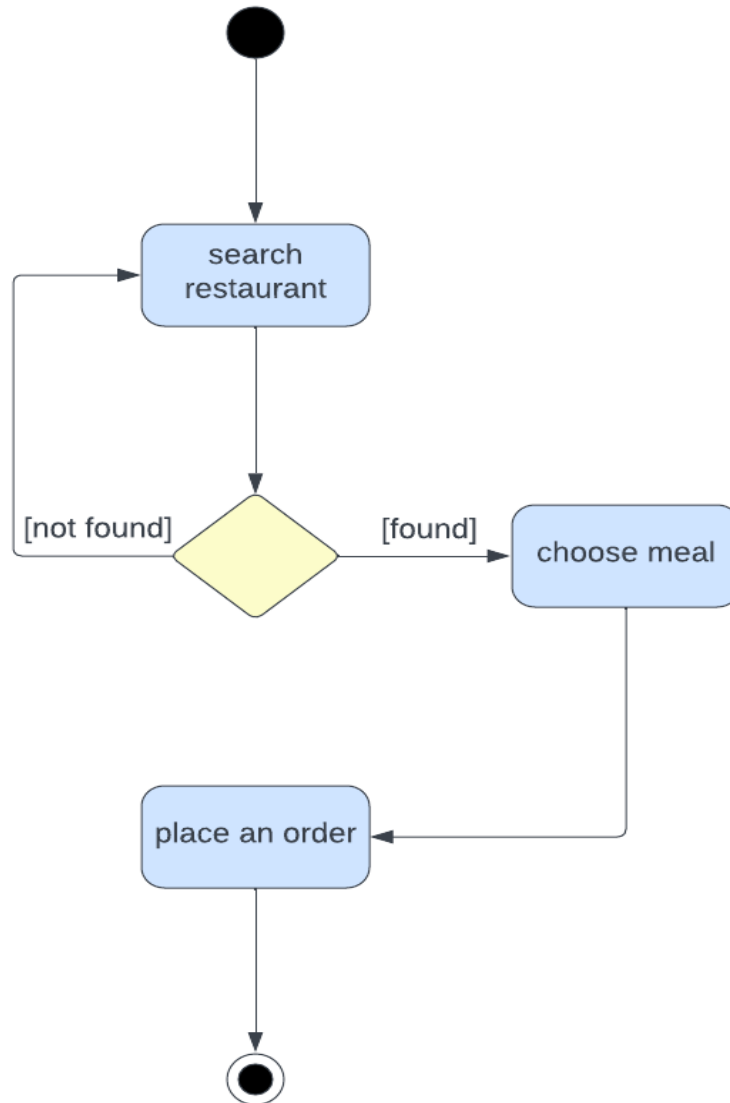


5 – Activity diagram

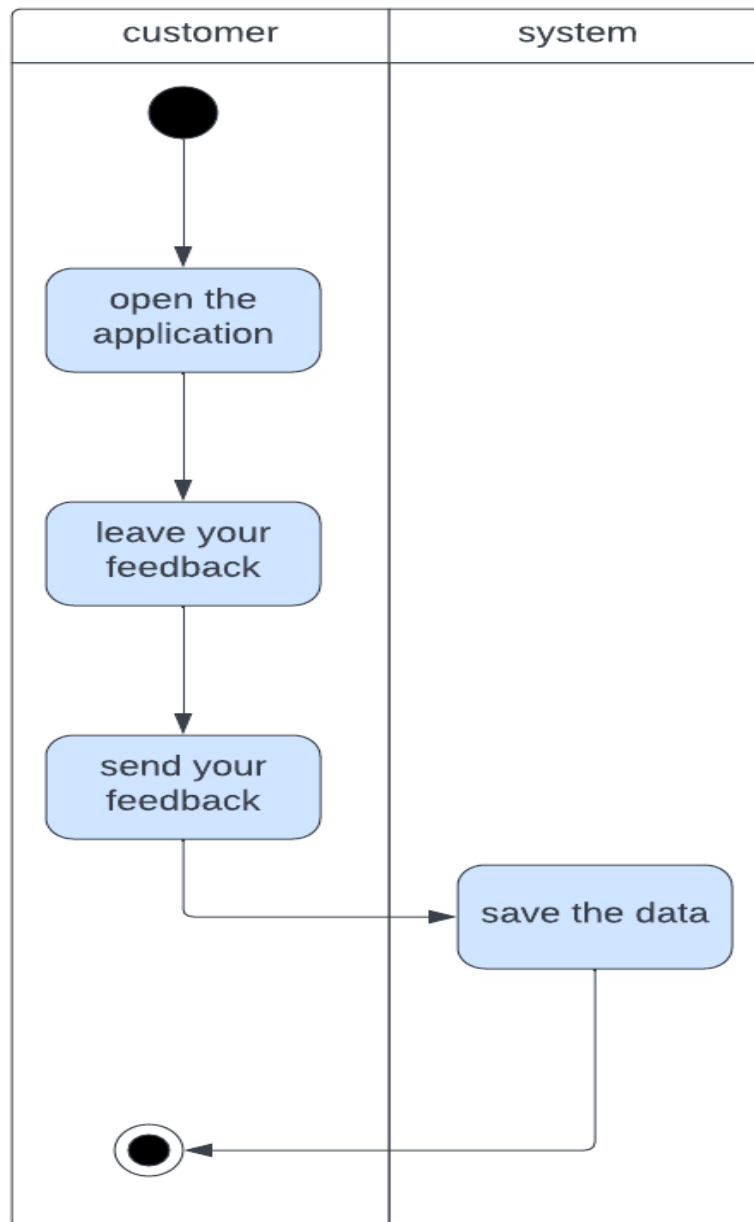
1 – Login & Sign Up



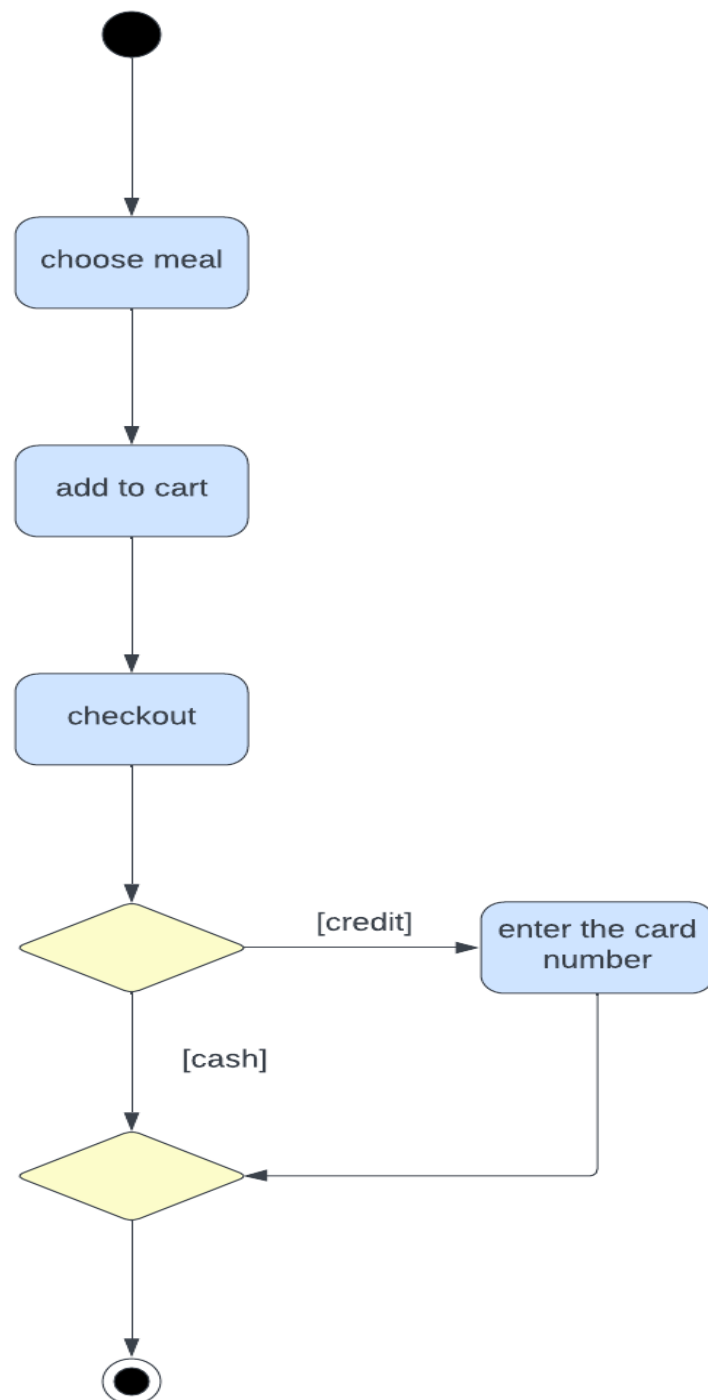
2 – Search Restaurant



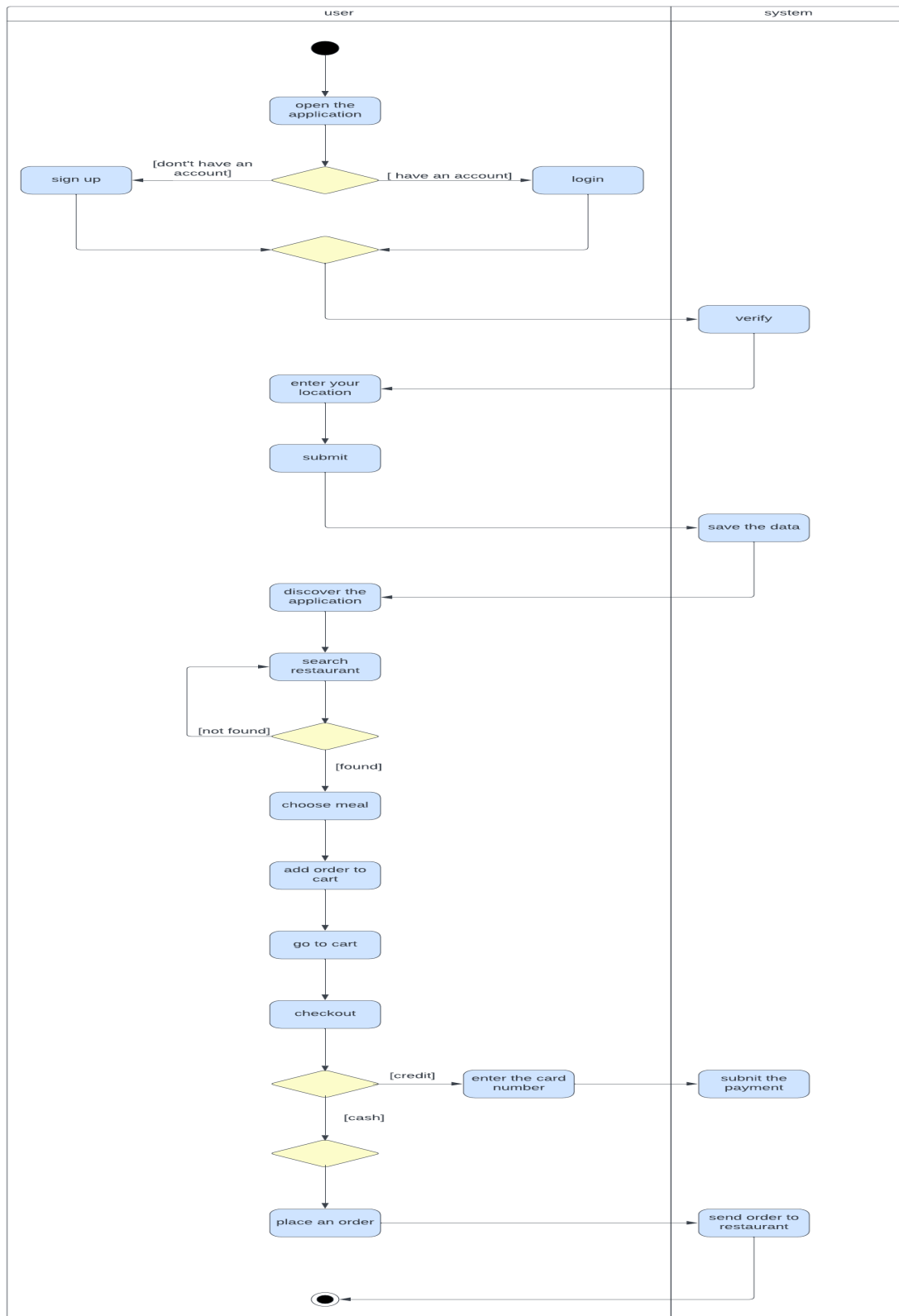
3 – feedback



4 – Checkout

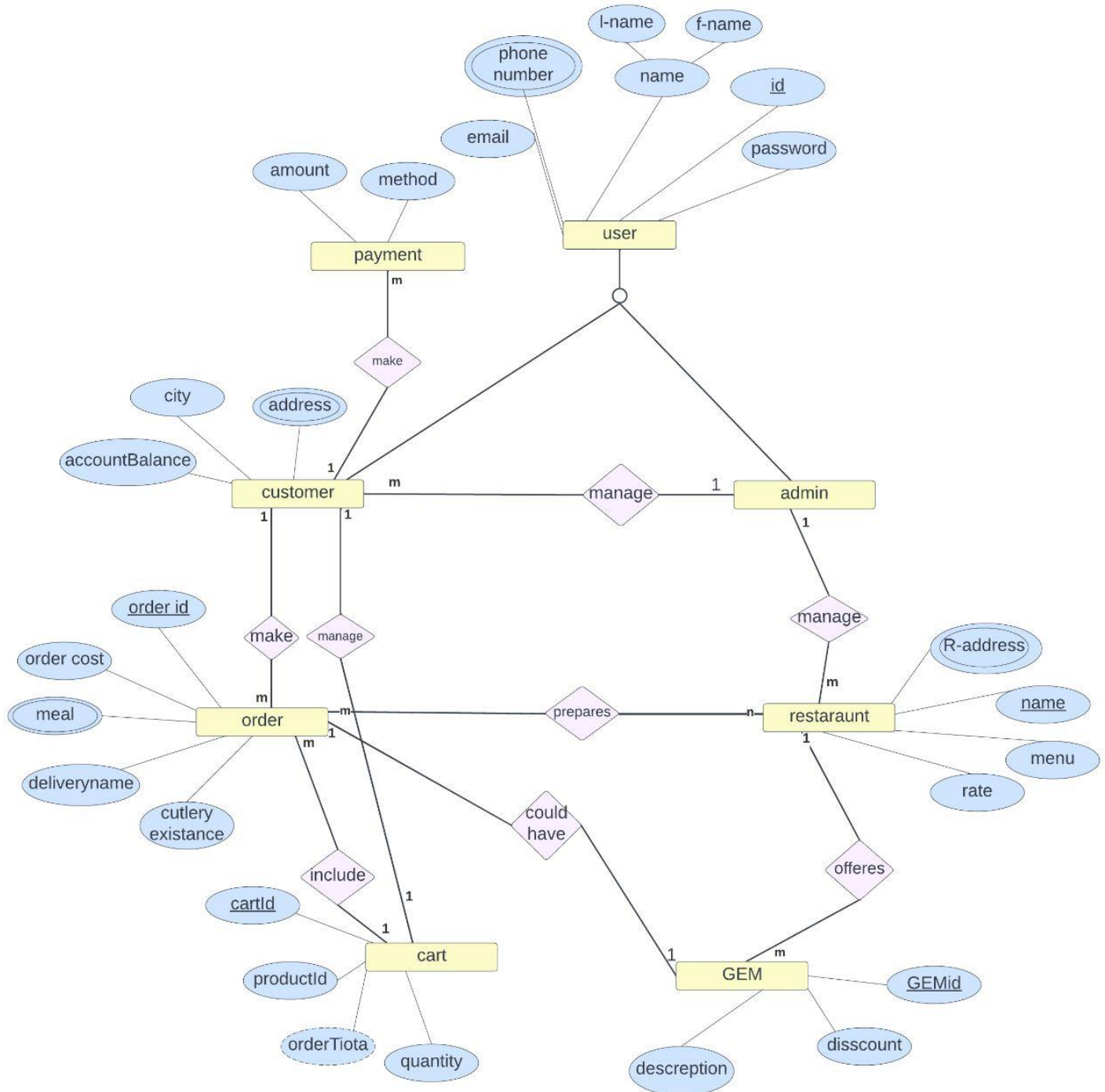


5 – Activity diagram

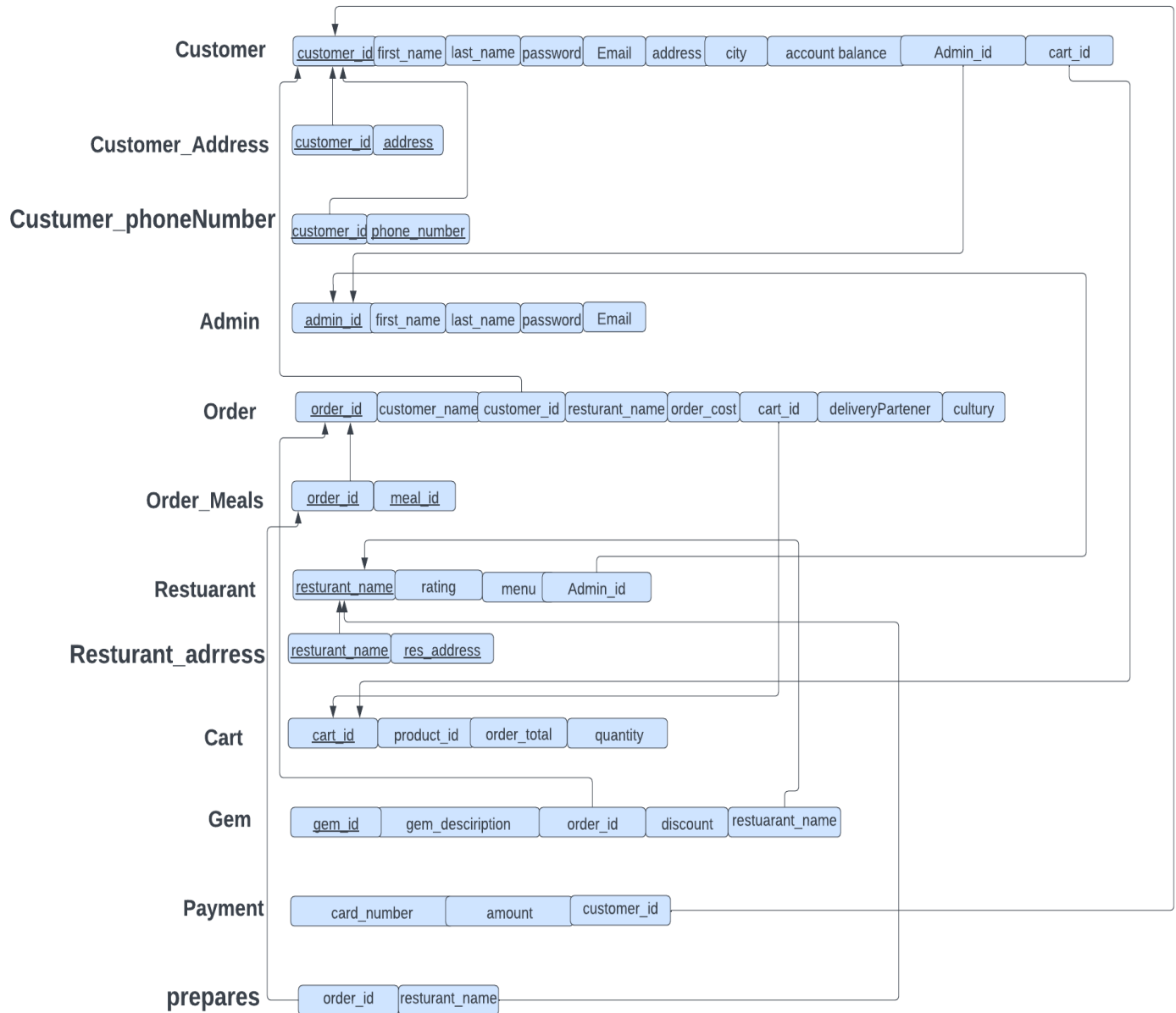


6 - Database Specification:

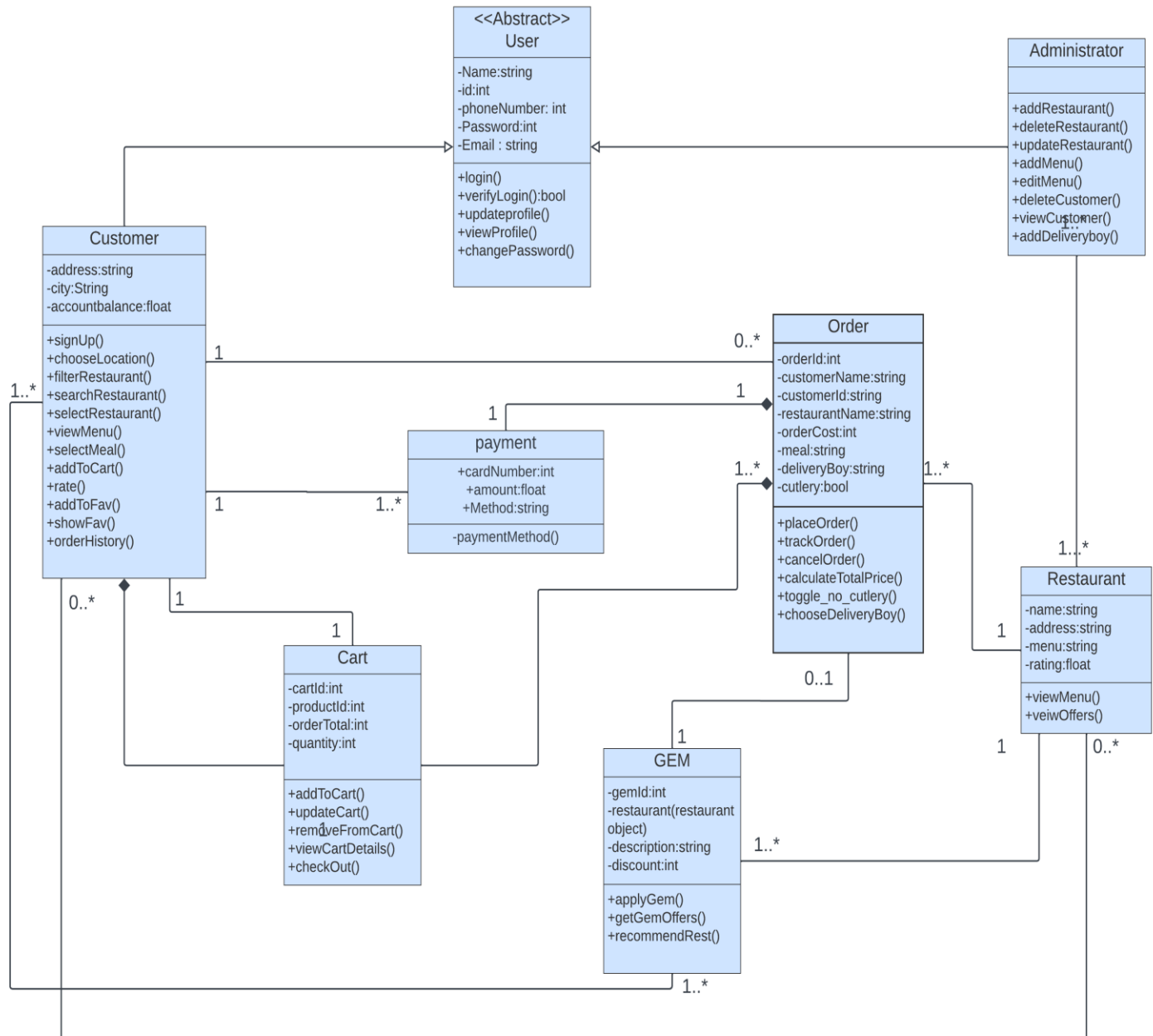
6.1 ERD :



6.2 ERD Tables

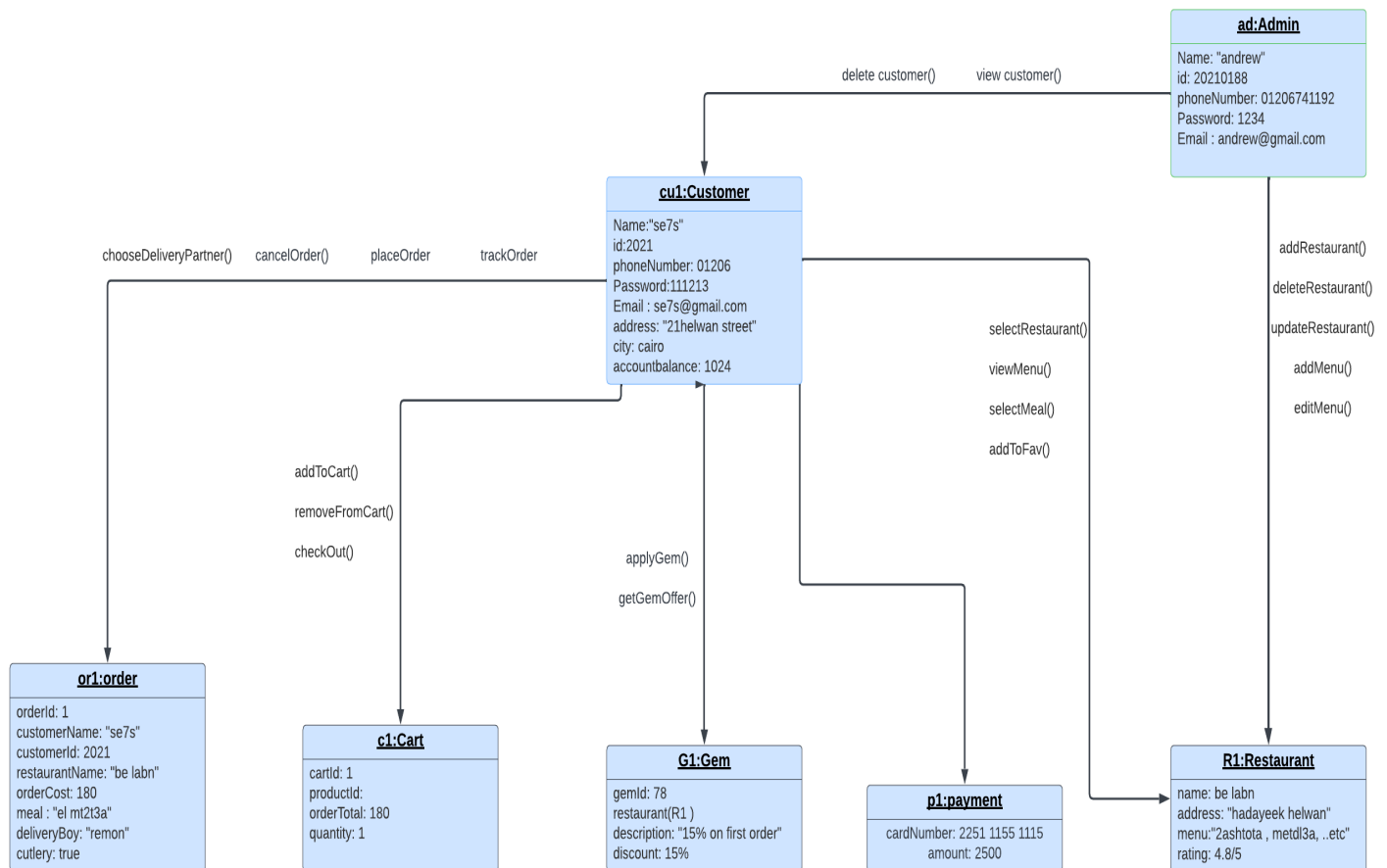


7 – Class diagram

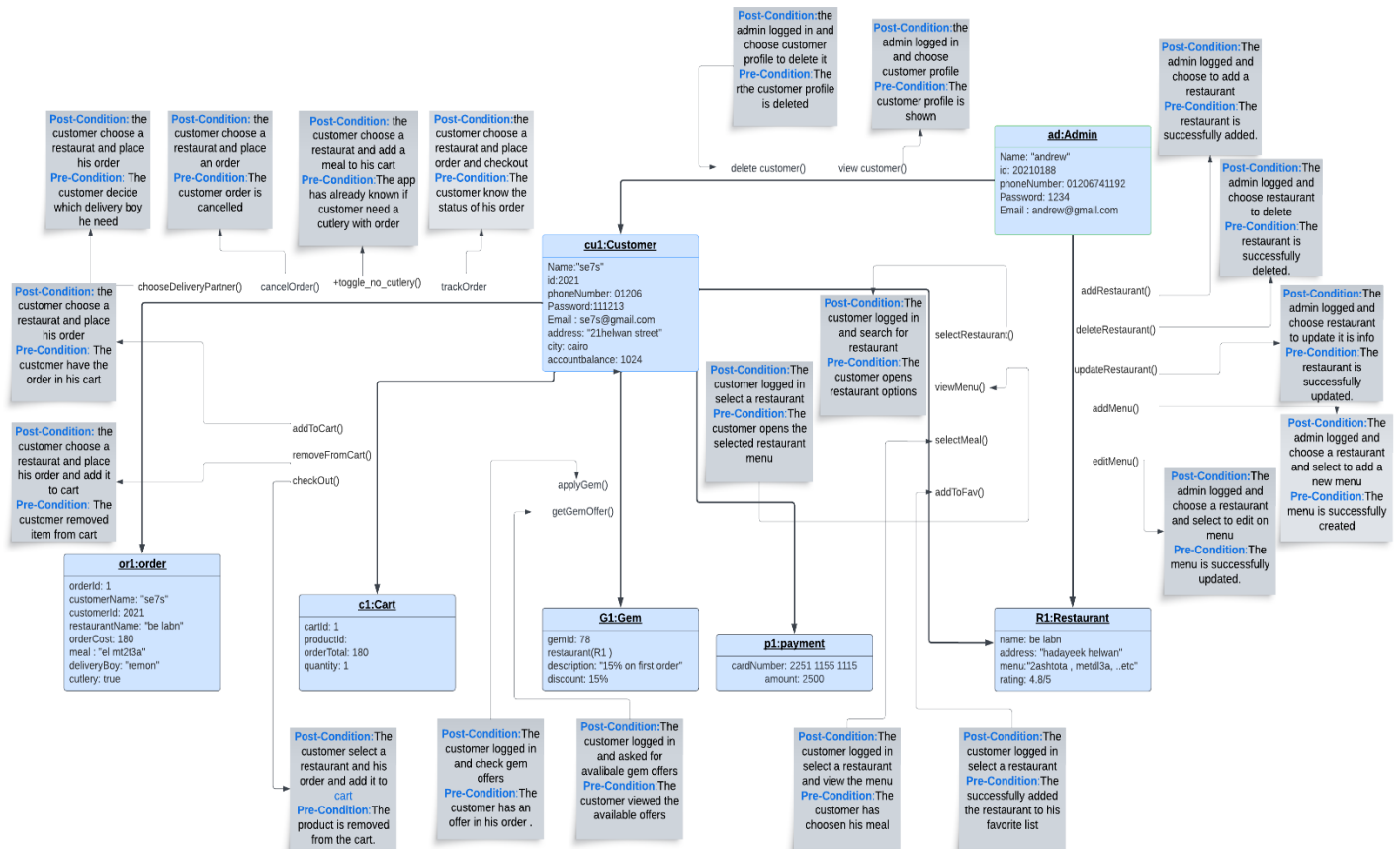


8 – Object diagram

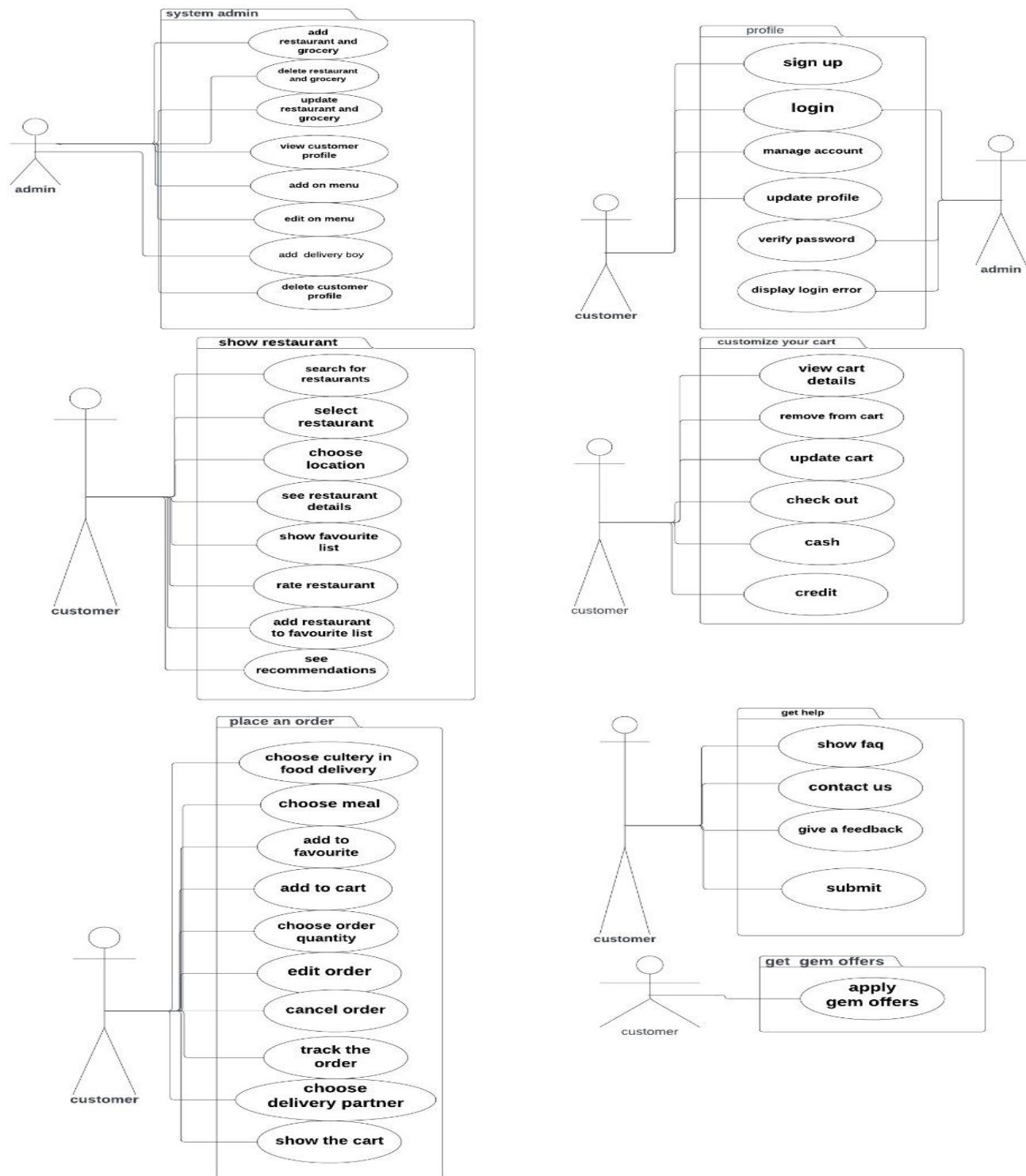
1-



2-

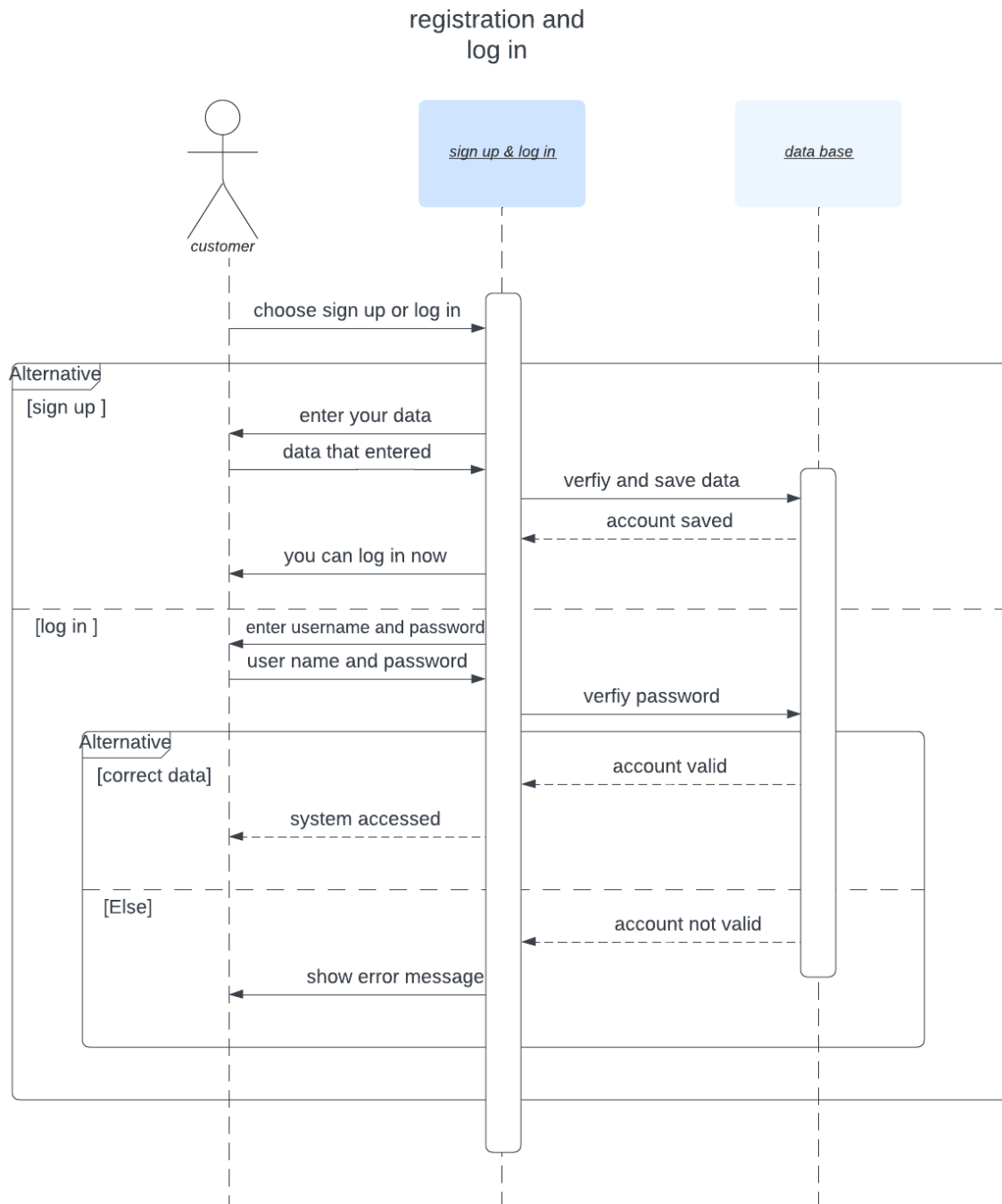


9 – Package diagram

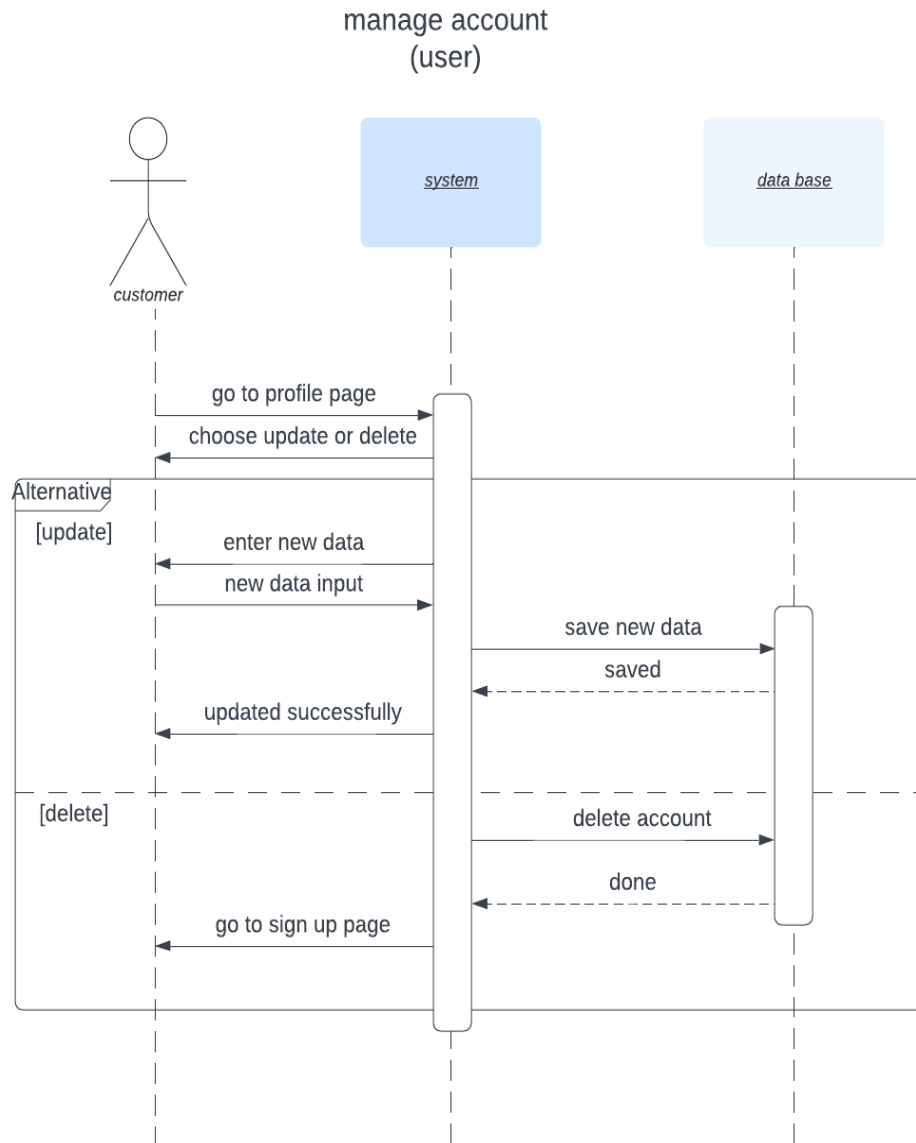


10 - Sequence Diagram:

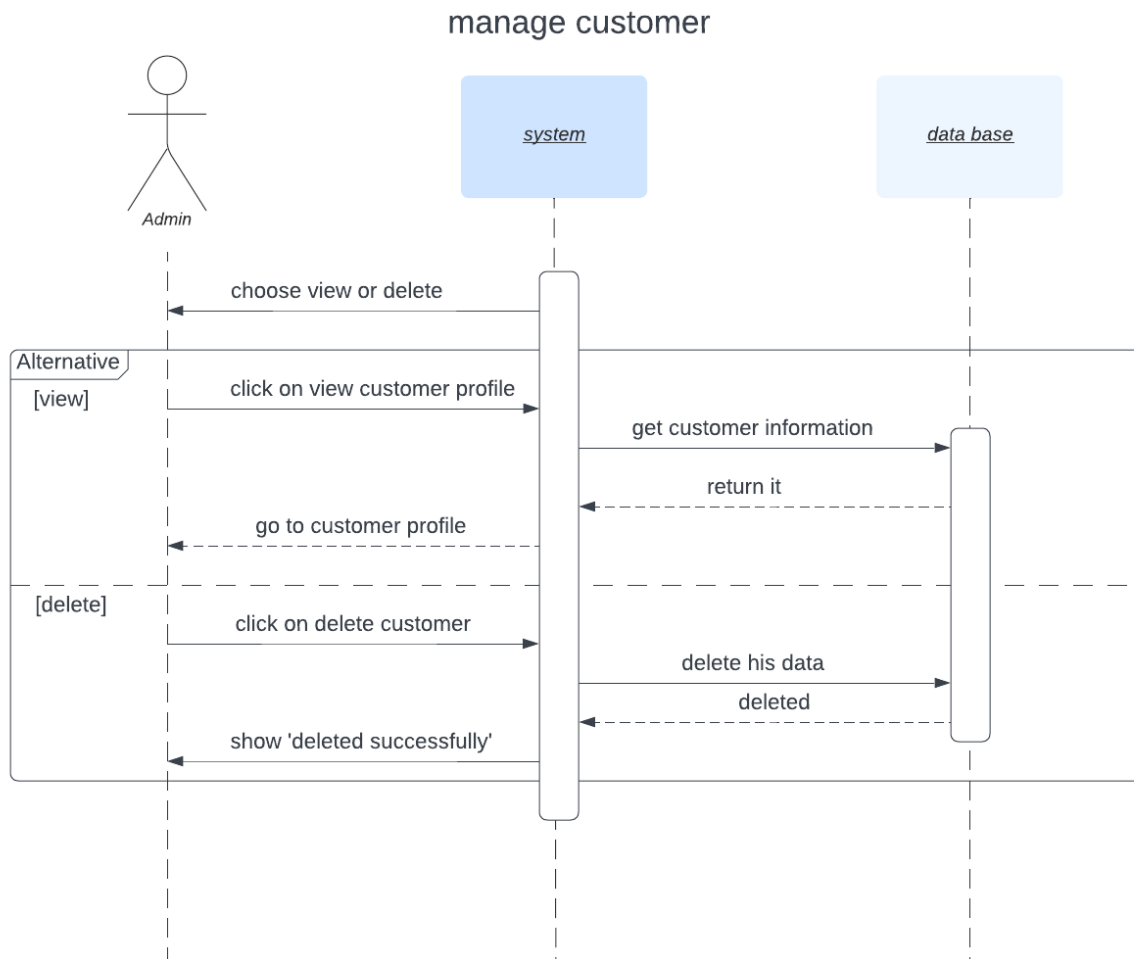
1 – Registration:



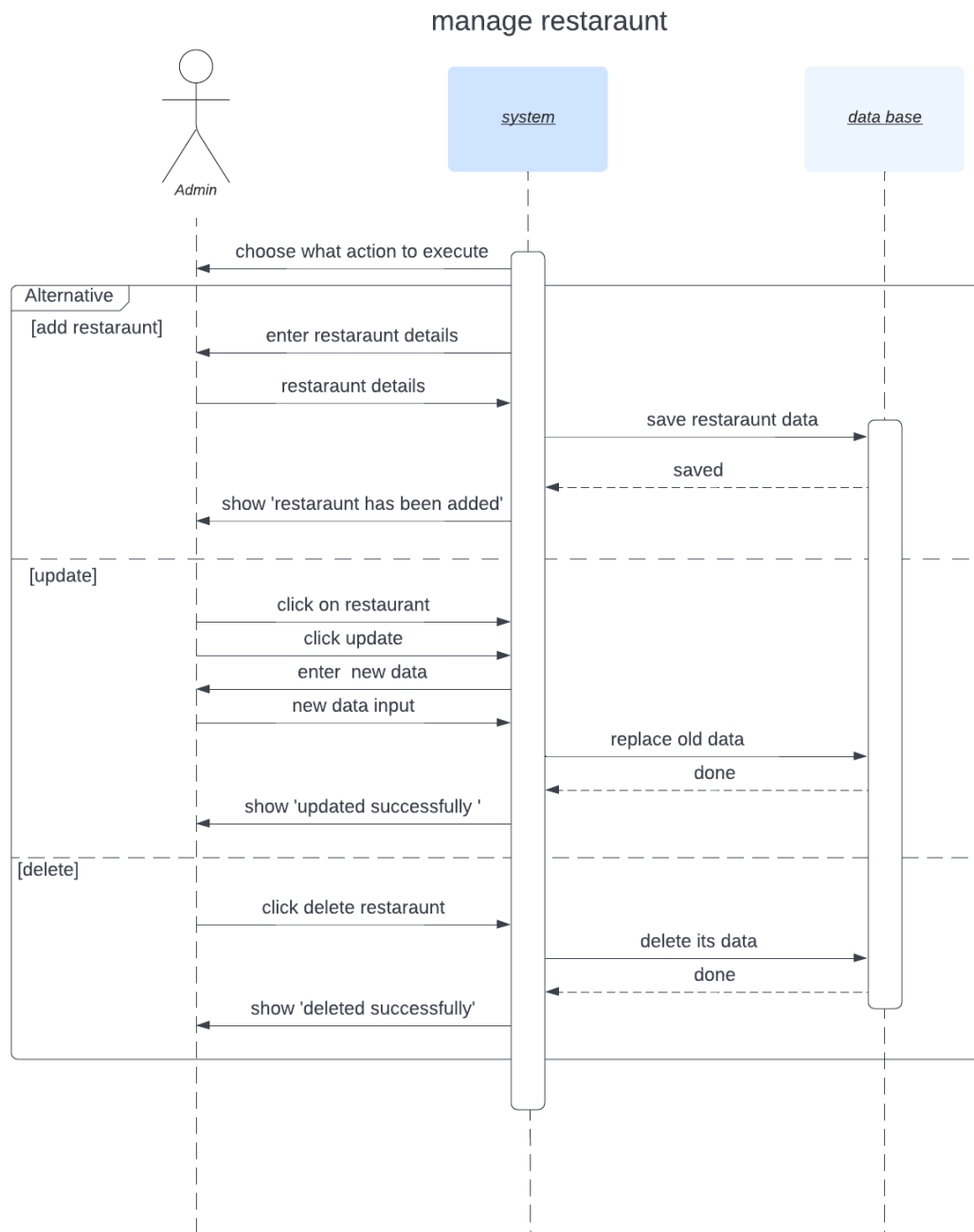
2-Manage account (user)



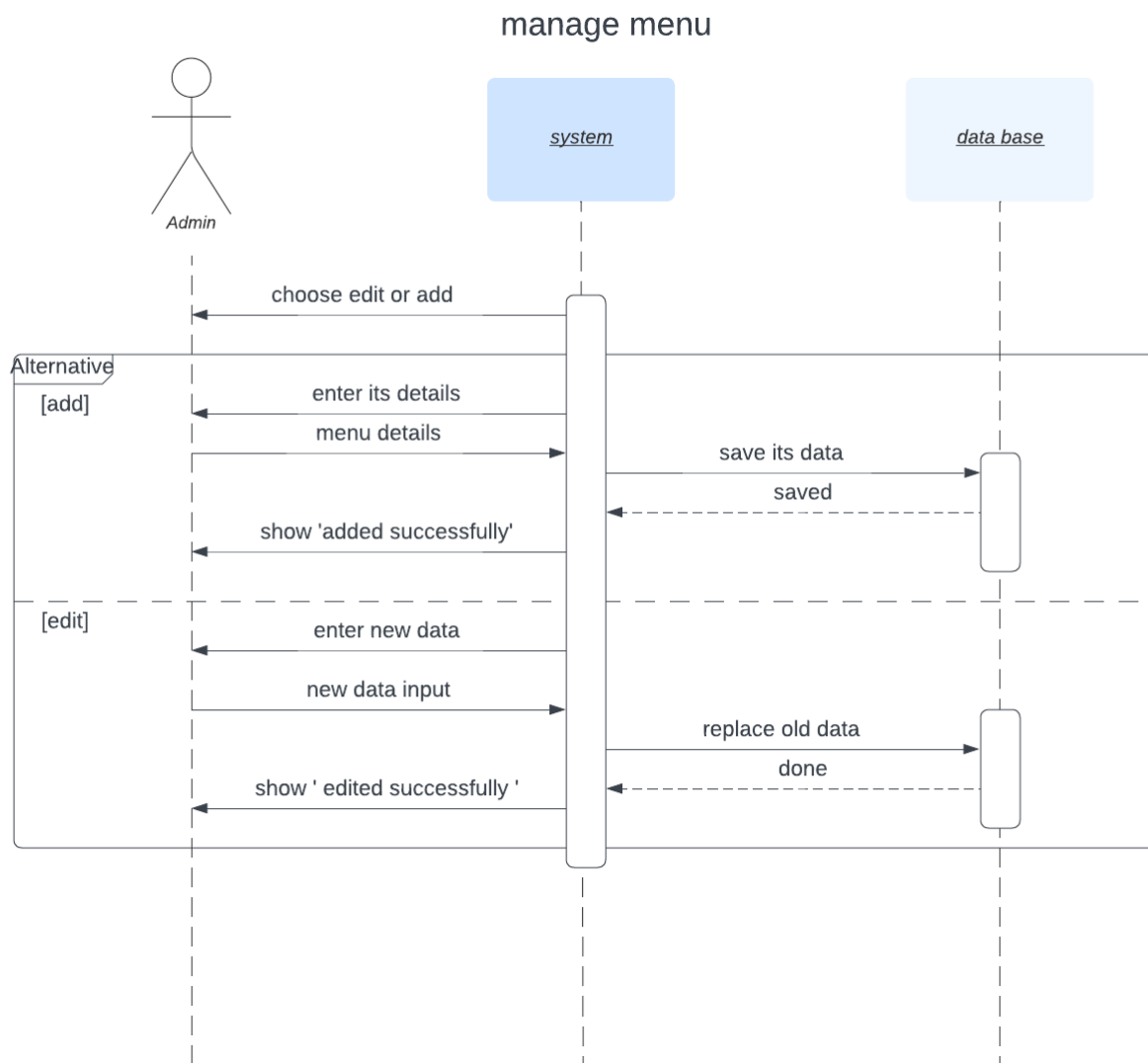
3-Manage customer (admin)



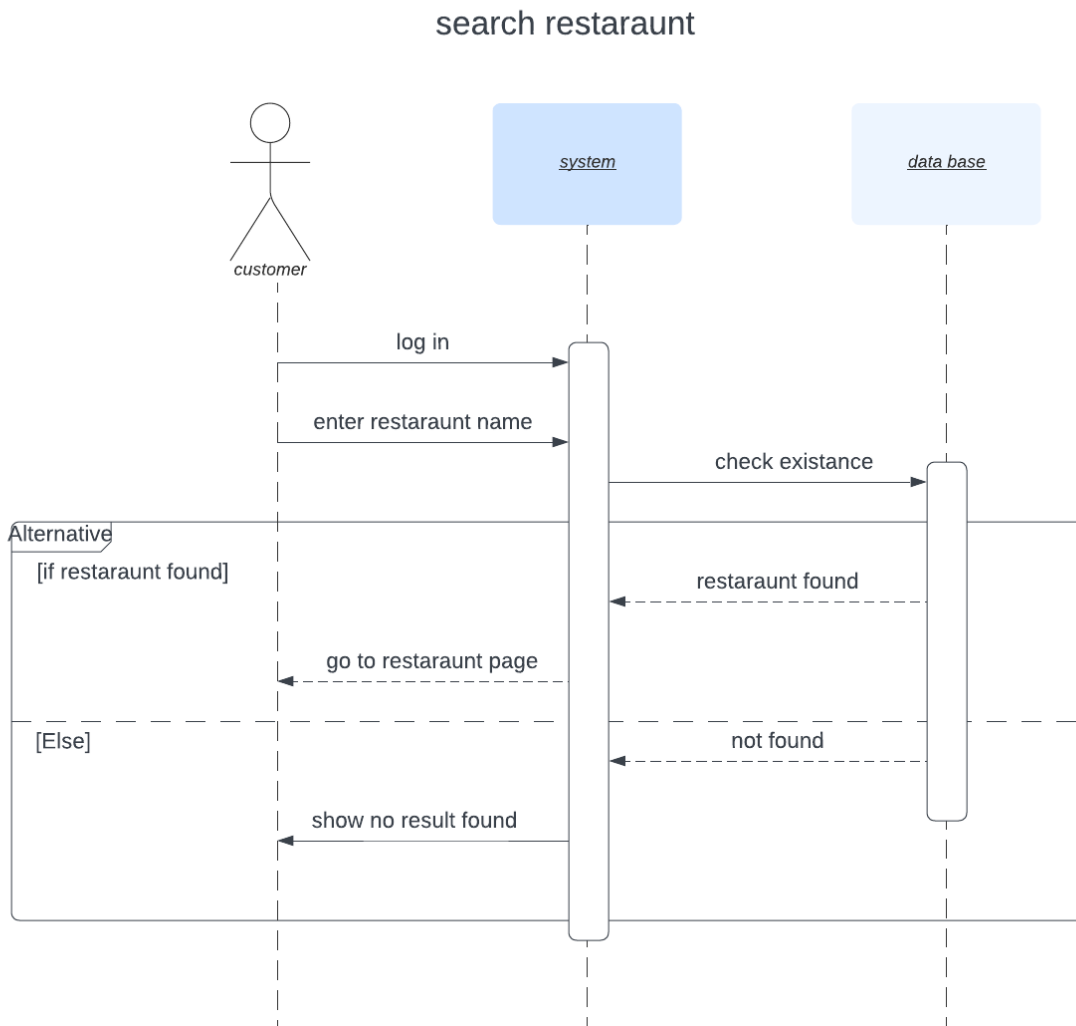
4-Manage Restaurant (admin)



5 – Manage Menu (admin)

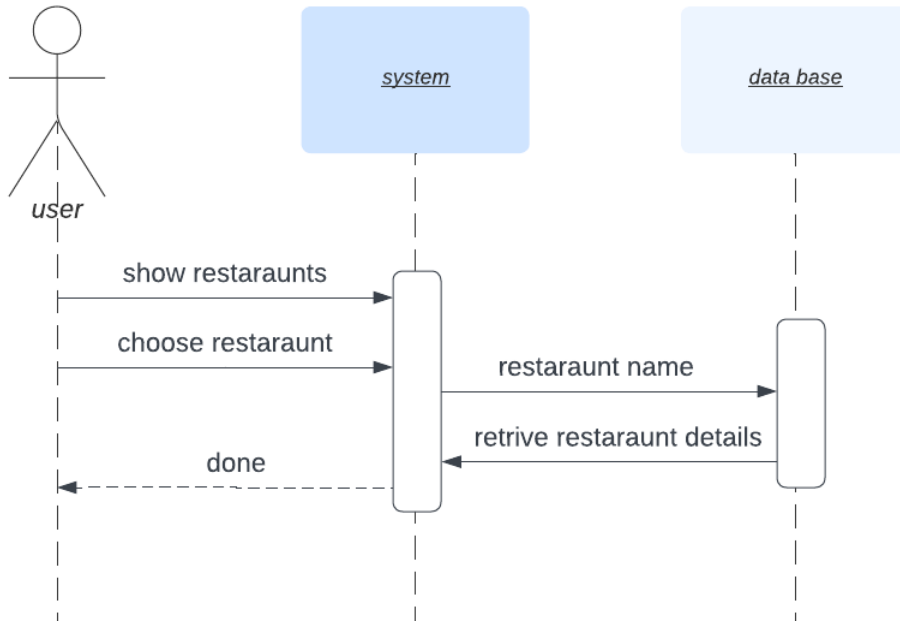


6- Search restaurant

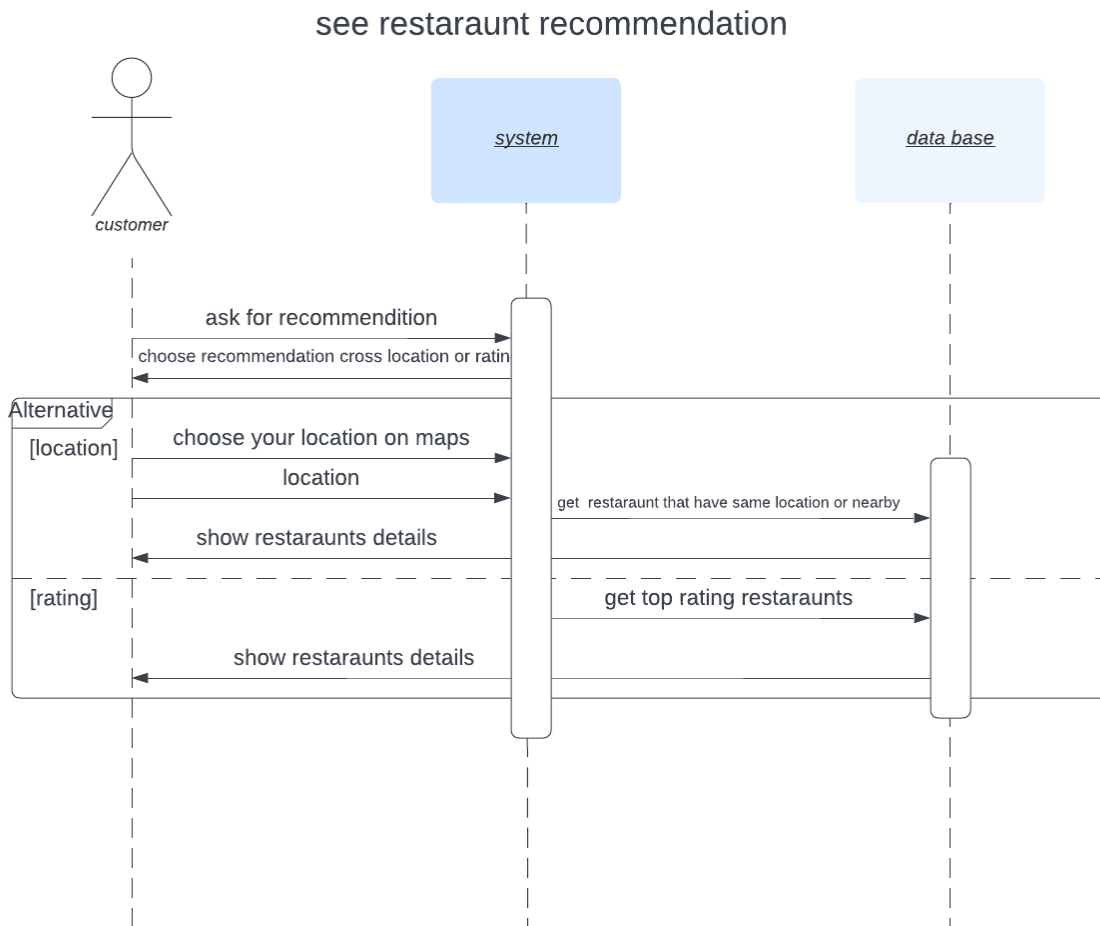


7- Restaurant Details

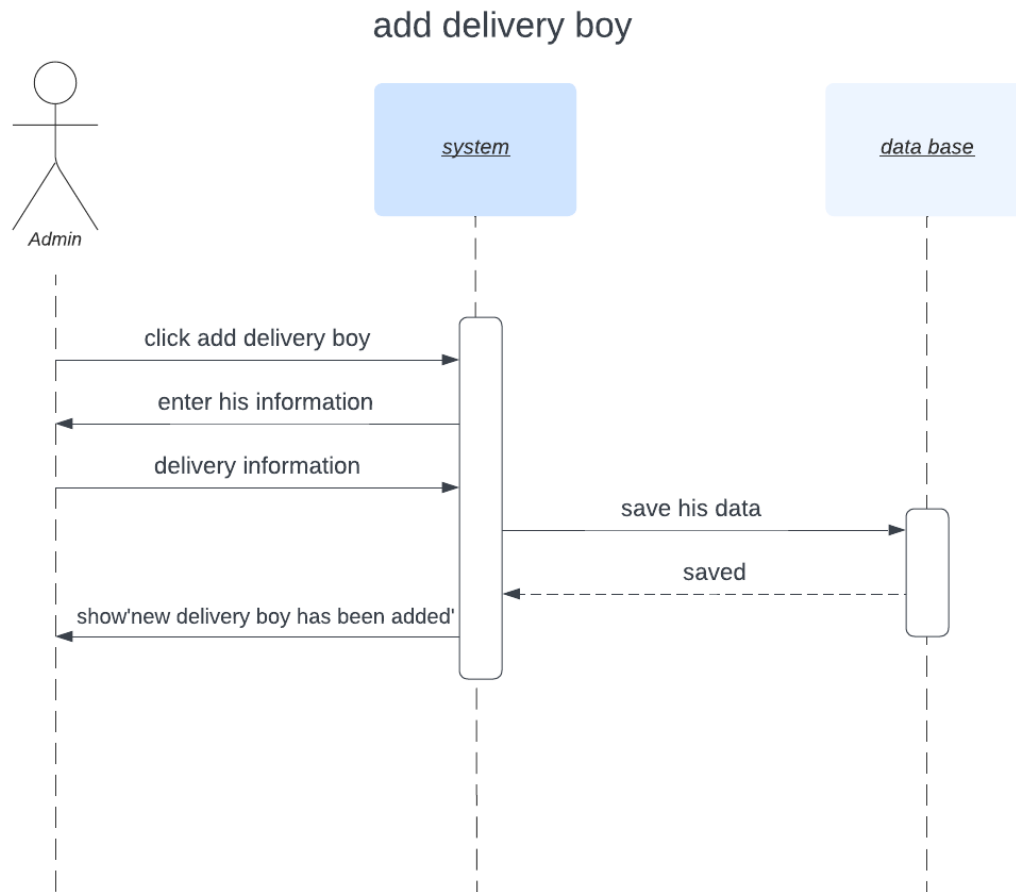
see restaraunt details



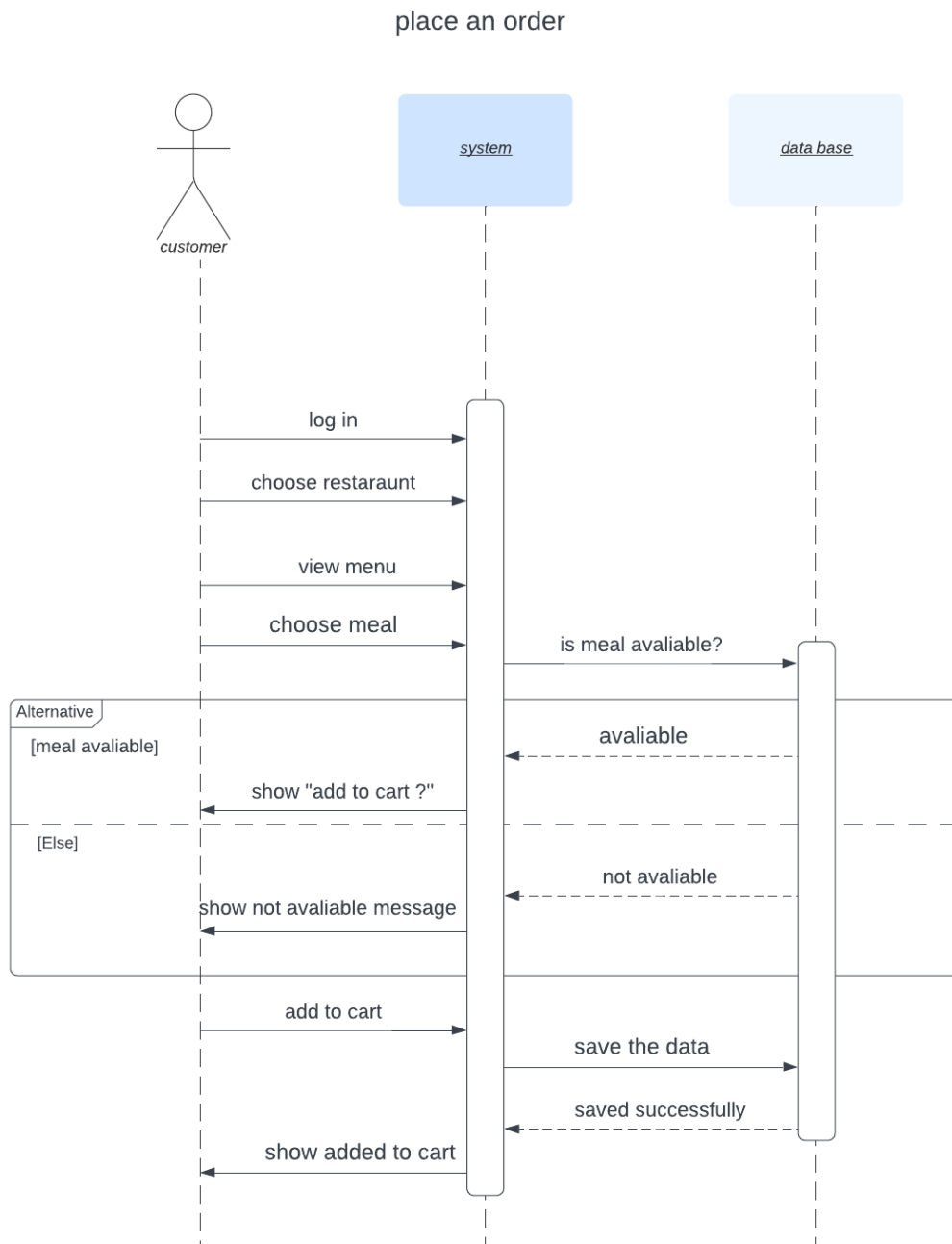
8 – see recommendations



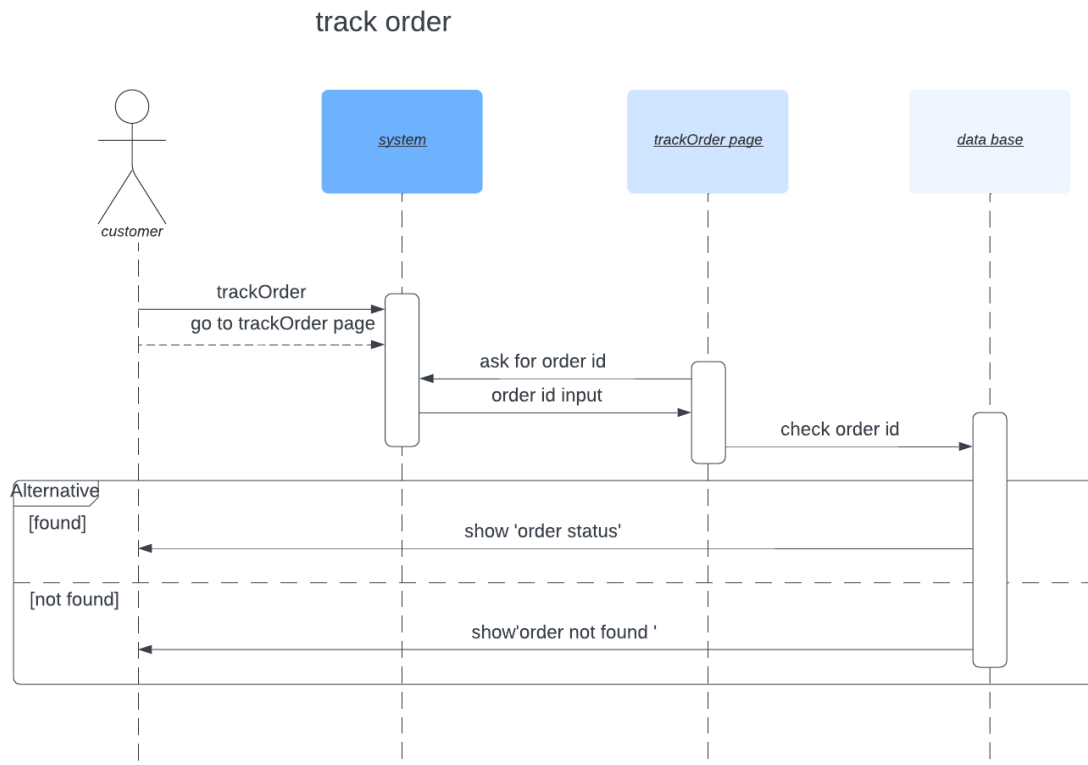
9 -Add delivery



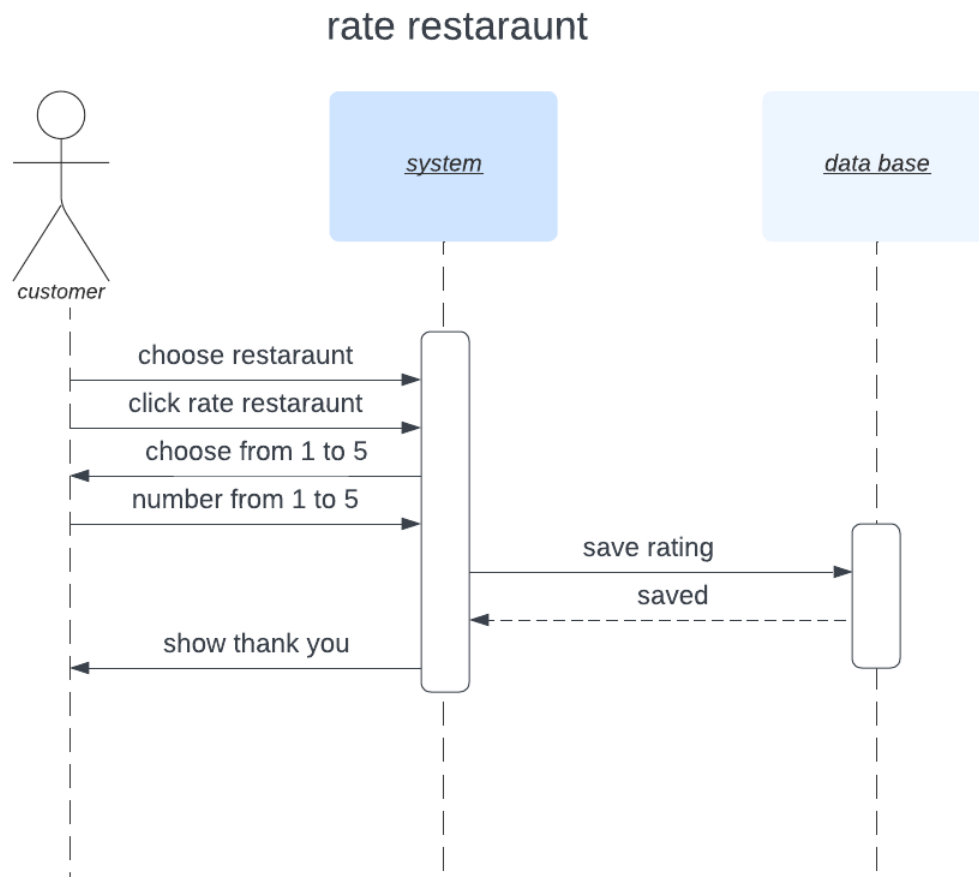
10 – Place order



11 – Track Order

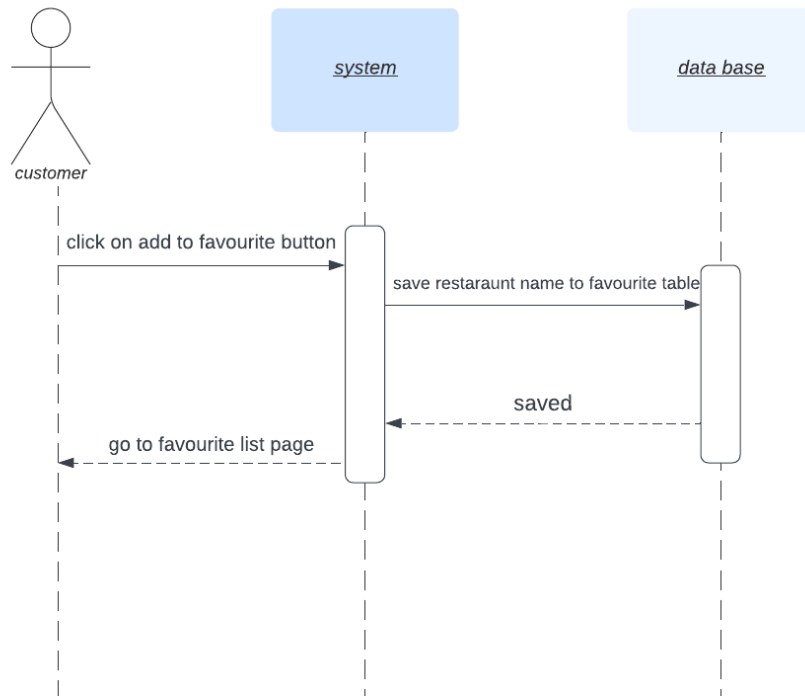


12 – Rate Restaurant



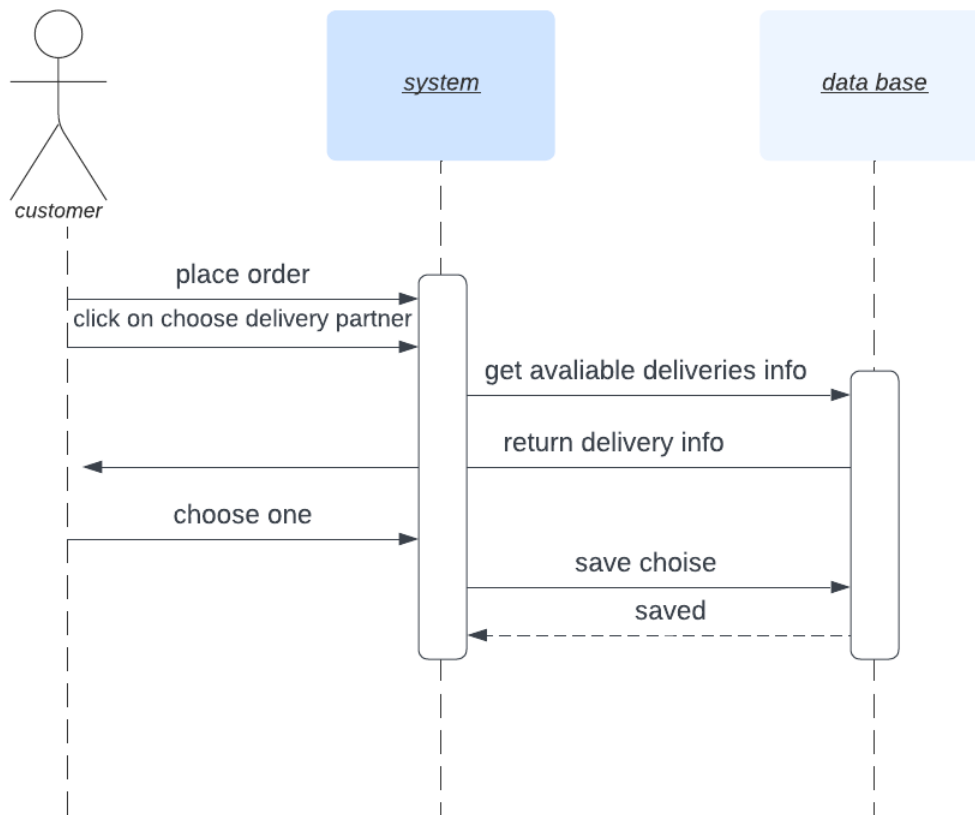
13 – Add to Favourite

add to favourite

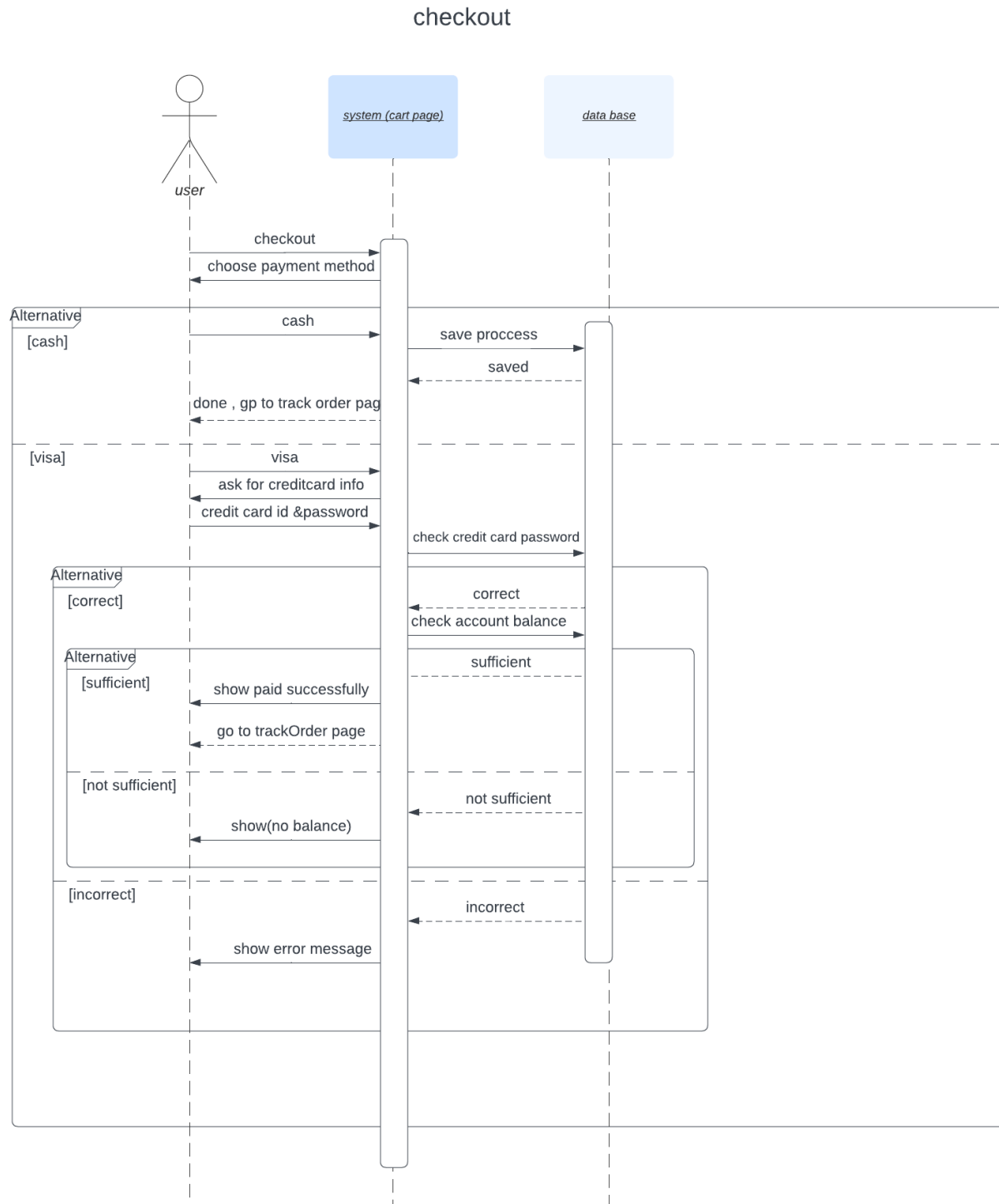


14 – Choose Delivery

choose delivery partner



15 – Checkout



16 – Feedback

