

College of Science Department of Computer Science COMP3401 Introduction to software engineering

Project Part3:

Delivery Express Application

Team members:

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Section: 10

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Q1] The objects involved in the realization all use cases:

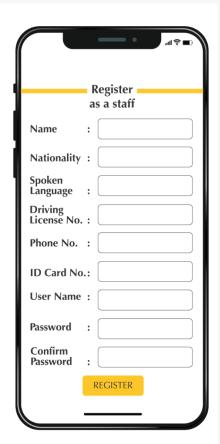
Use case	Objects				
Main Use Cases:					
request delivery	Customer and Order				
receive order	Staff, Delivery, and order				
Register as	Customer, Person, and Account				
customer					
Register as staff	Staff, Person, and Account				
List order	Customer and Order				
receive list of orders	Staff, Delivery, and order				
report	Customer, ReportNotification,				
	EmailNotification, and SMSNotification				
Other Use Cases(actions):					
Login	Account and Staff or Account and Customer				
Select region	Order				
Select time	Order				
Specify the package	Order				
type					
Cancel the order	Payment and Delivery				
Trace order (GPS)	GPS				
Rate service	Order				
Set income	Staff and Delivery				
payment	Order, Payment, Credit, and Cash				

Q2] interface GUI objects:



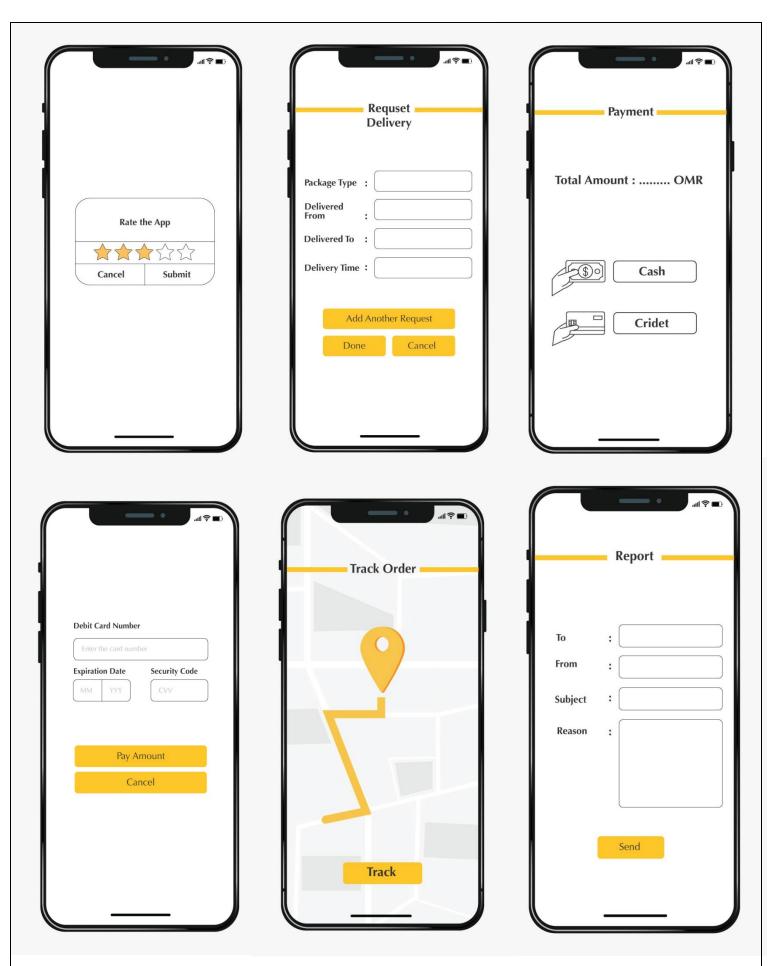














Q3] Responsibilities of the controller:

The responsibilities of the controller for the "requestDelivery" use case are:

- 1- RegisterAsCustomer()
- 2- Login()
- 3- RequestDelivery()

Q4] Class diagram:

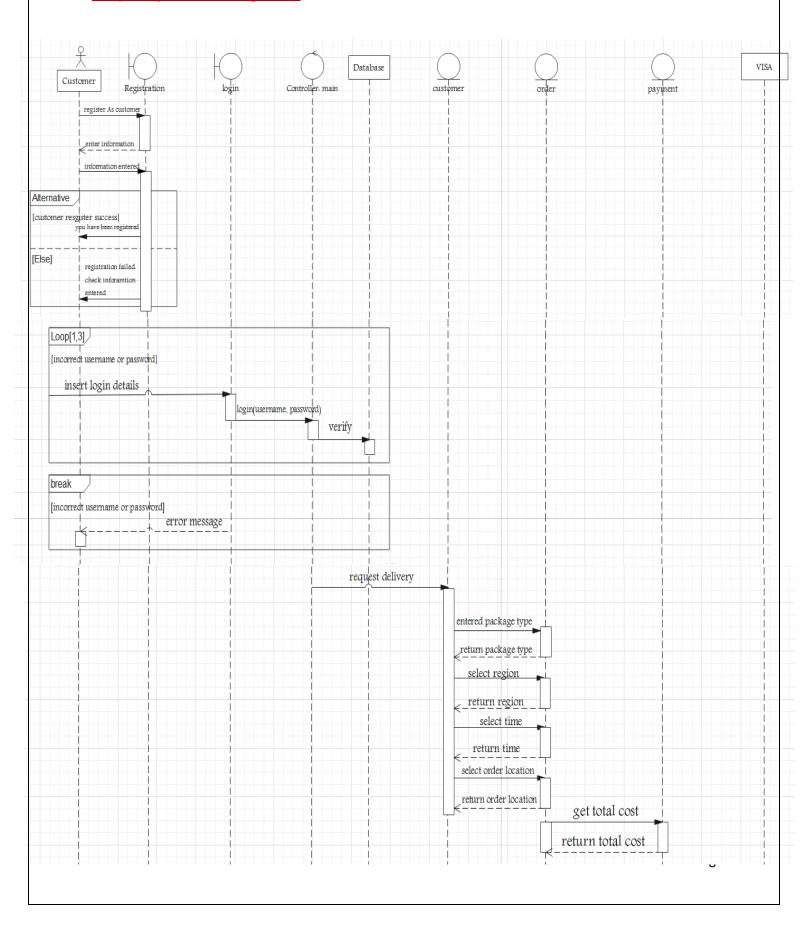
- a) The class diagram is in the other pdf file. Moreover, we didn't include the set and get methods to not complicate the diagram.
- b)
- 1) Between Customer and Order(bidirectional association):

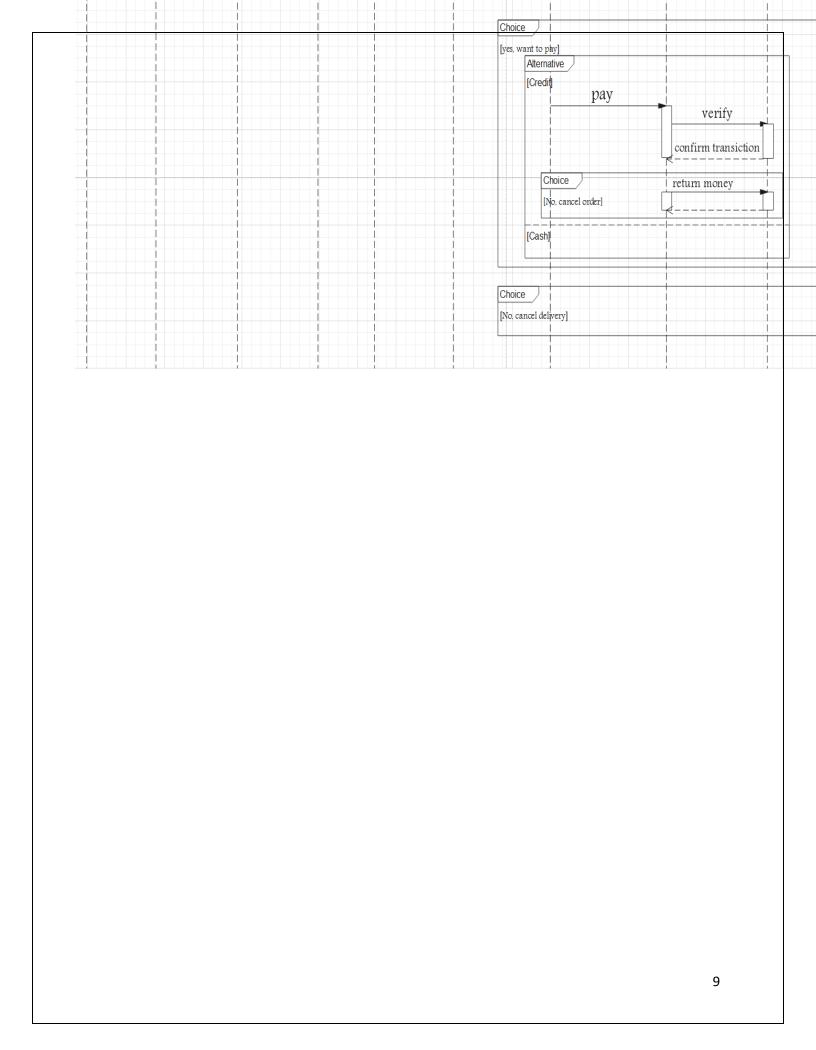
A customer knows about many orders, and an order knows about one customer

- 2) Between Person and Customer (generealization):
 - Customer is a Person
- 3) Between Order and Payment (directed association):

An order knows about one payment

Q5] Sequence Diagram:





Q6]Team Contribution:

Team member	Contribution				
Mawada	 Contributed in: Realizing Use Cases by defines the objects involved. Designing the graphical GUI. Designing the class diagram. Designing the Sequence diagram. 				
Manar	 Contributed in: Realizing Use Cases by defines the objects involved. Designing the graphical GUI. Designing the class diagram. Designing the Sequence diagram. 				
Kalsoom	 Contributed in: Realizing Use Cases by defines the objects involved. Designing the graphical GUI. Defined the responsibilities of the controller. Designing the class diagram. Designing the Sequence diagram. 				

Coordination:

Number of meetings	Day /Date	Duration	Host of the meeting	Discussed subjects in the meeting
1	Friday / 23-4-2021	2 Hours	Mawada	 Realizing part 3 of the project Discussed the first question. Working on the class diagram.
2	Saturday / 24-4-2021	2 Hours	Kalsoom	Complete working in the class diagram.
3	Sunday / 25-4-2021	1Hour and 20 minutes	Mawada	Complete working in the class diagram.Working in sequence diagram.
4	Monday / 26-4-2021	1 Hour and 30 minutes	Manar	Design the user interface.
5	Tuesday / 27-4-2021	1 Hour and 30 minutes	Kalsoom	Complete working in the sequence diagram.
6	Friday / 30-4-2021	2 Hours	Manar	 Complete working in the class diagram. Working in Realized Use Cases by defines the objects involved.
7	Saturday/ 1-5-2021	1 Hour	Kalsoom	 Complete question 4 in part 3 Revise part 3 of the project

We used a group chat on WhatsApp for easier and faster communication, after that we started meeting online using google meet. Moreover, we used Gmail in order to share the project's files.