

<7ekma - "Wisdom" Online clothing store>

## Software Requirements Specification

### <Deliverable 1 >

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Prepared for  
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# Work Distribution

Task	Student Name
All Tasks	Omar Alharf
All Tasks	Nawaf Alahmed
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# 1. Introduction

*7A.CO is company that owns a clothing store by the name of 7ekma - "Wisdom" in which sells and distributes clothing goods with an Arabic identity, where they do all their sales in person but now they want to expand their market share and increase their sales by acquiring a web based shopping system for their existing shop .*

*Whenever a customer enters the shop he can either continue as a guest or login, when a customer chooses to login they can either login with an existing account or register a new account, they will fill their full name , email , password and phone number .*

*Both guests and RC can view and add products to cart. if a product is not checked out within 5 minutes the system shall display a message.*

*only RC can purchase goods, if it's their first time they will receive a discount, If a guest chooses to check out a product they will receive a message that they shall register to checkout.*

*occasionally RC "Registered customer" will priment method and information, payment must be secure.*

*only RC can review products after purchase if not, it should display a message that they need to purchase the item in order to review it,*

*Users can search and traverse men/women sections , and the search process should retrieve results in a fast manner.*

*WM "Warehouse manager" should be able to manage products and view orders.*

*admin should also manage products.*

*system should be available at all times, and have the least amount of failures.*

*The system should support most devices.*

## 1.1 Purpose

The purpose of this document is to define the high-level requirements for '**7ekma shopping system**' for the users shopping activities.

## 1.2 Scope

The system will allow customers to shop over a web access interface (a web page).

The system will allow WM to manage inventory.

The system will allow admin to manage products

## 1.3 Definitions, Acronyms, and Abbreviations

#	Abbreviation/Acronym	Full form
1	WM	Warehouse manager
2	RC	Registered customer

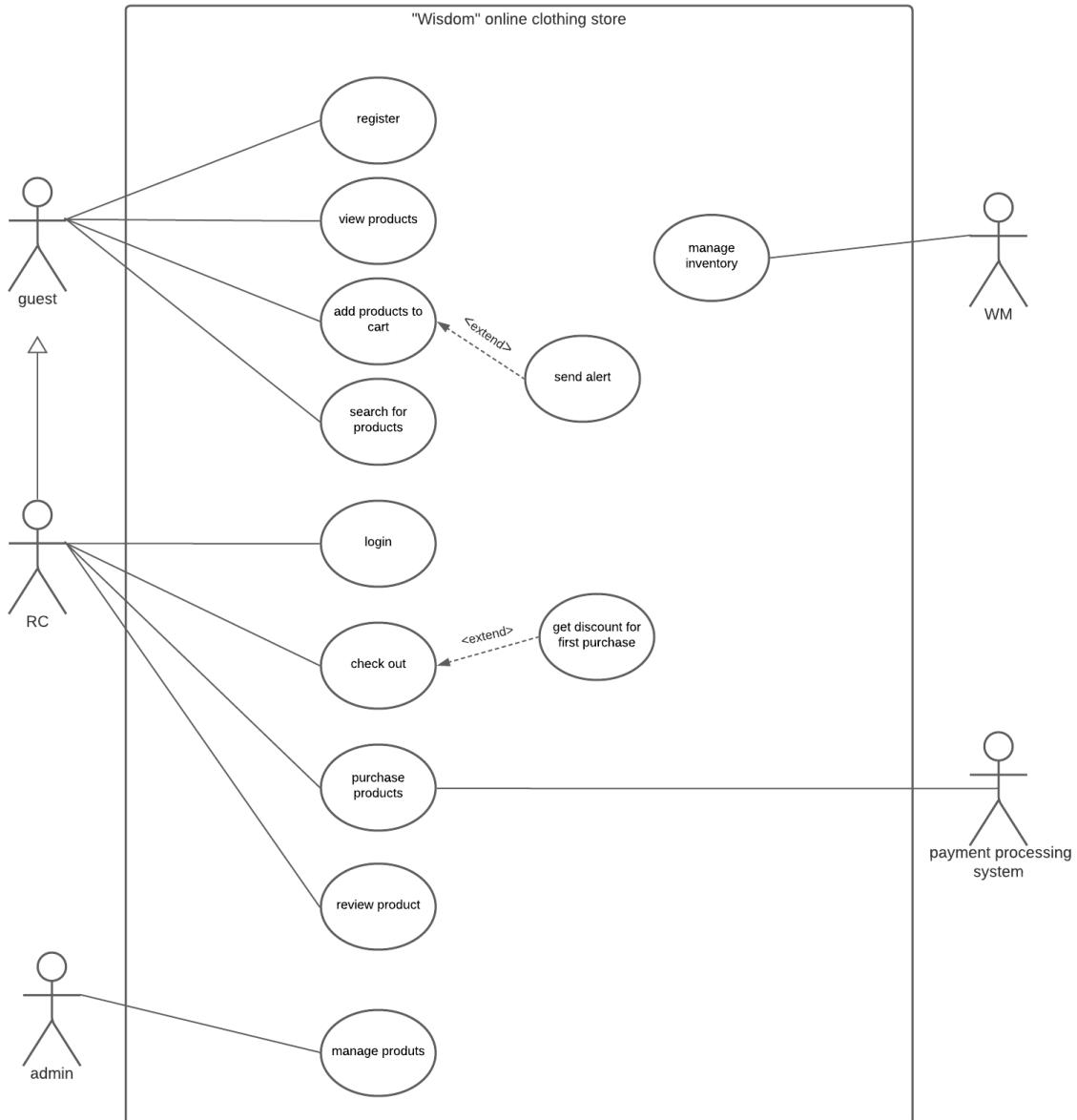
## 1.4 References

- ar-sa.namshi.com – Online website, recently arrived.
- Amazon.com – Online website, Create product review.
- shein.com – Online website, Track product.

## 2.1 Functional Requirements

- 2.1.1 <System shall allow guest/RC to register.>
- 2.1.2 <System shall allow RC to login.>
- 2.1.3 <System shall allow guest/RC to search for products.>
- 2.1.4 <System shall allow guest/RC to view products.>
- 2.1.5 <System shall allow guest/RC to add products to cart, if guest/RC did not check out within 5 minutes, system shall display alert message “There is an item in your cart waiting to be processed.” >
- 2.1.6<System shall allow RC to checkout products, If a guest chooses to check out a product the system shall display an alert message “You Have To Register to checkout product.”>
- 2.1.7 <System shall allow RC to purchase products, if it was their first time purchasing; system shall give a discount.>
- 2.1.8 <System shall allow WM to manage inventory>
- 2.1.9 <System shall allow admin to manage products.>
- 2.1.10 <System shall allow RC to review product, if RC did not purchase the product, System shall display an alert message “you need to buy the item in order to review it”.>

## 2.2 Use Case Diagram



## 2.3 Use Case Description

### 2.3.1

Use Case Description	
<b>System:</b> 7ekma - "Wisdom" Online clothing store	
<b>Use Case name:</b> UC3 – add products to cart	
<b>Primary actor:</b> Guest	<b>Other actors:</b>
<b>Description:</b> This use case describes how the guests and RC adds the products to his/her cart.	
<b>Relationships</b> <ul style="list-style-type: none"> <li>- <b>Includes:</b></li> <li>- <b>Extends:</b> send alert.</li> </ul>	
<b>Pre-conditions:</b> <ul style="list-style-type: none"> <li>- Guest/RC viewed the product in the system.</li> </ul>	
<b>Steps:</b>	
<b>Actor</b>	<b>System</b>
1.1 Guest/RC clicks “add product to cart”.	1.2 System add the product to the cart.
<b>Alternative and exceptional flows:</b>	
<b>Post-conditions:</b> <ul style="list-style-type: none"> <li>- The product is added to the guest/RC cart and ready to be checked out.</li> </ul>	

## 2.3.2

Use Case Description	
<b>System:</b> 7ekma - "Wisdom" Online clothing store	
<b>Use Case name:</b> Login	
<b>Primary actor:</b> RC	<b>Other actors:</b> none
<b>Description:</b> This use case describes how the register checkout products.	
<b>Relationships</b> <ul style="list-style-type: none"> <li>▪ <b>Includes:</b></li> <li>▪ <b>Extends:</b></li> </ul>	
<b>Pre-conditions:</b> Must be a registered customer.	
<b>Steps:</b>	
Actor	System
1.1 RC enters login page 1.2 RC enters login information	1.3 System validates RC login information. 1.4 System accepts login.
<b>Alternative and exceptional flows:</b> 1.1 RC enters wrong login information. 1.2 System declines login attempt. 1.3 System sends alert "Wrong email/password try again"	
<b>Post-conditions:</b> RC returns to previous session as a logged in user.	

### 2.3.3

<b>Use Case Description</b>	
<b>System:</b> 7ekma - "Wisdom" Online clothing store	
<b>Use Case name:</b> review products	
<b>Primary actor:</b> RC	<b>Other actors:</b>
<b>Description:</b> this use case allows product purchasers to review said product.	
<b>Relationships</b> <ul style="list-style-type: none"> <li>▪ <b>Includes:</b></li> <li>▪ <b>Extends:</b></li> </ul>	
<b>Pre-conditions:</b> RC purchased the product.	
<b>Steps:</b>	
Actor	System
1.2 actor clicks review button 1.4 actor creates review 1.5 actor sends review	1.1 system displays a review button on product page 1.3 system sends actor to review page
<b>Alternative and exceptional flows:</b> <ul style="list-style-type: none"> <li>1.1 RC didn't purchase product</li> <li>1.2 RC tries to review product</li> <li>1.3 System doesn't allow RC to review product</li> <li>1.4 System displays alert "you need to buy the item in order to review it"</li> </ul>	
<b>Post-conditions:</b> system displays actor review on product page	

## 2.3.4

Use Case Description	
<b>System:</b> 7ekma - "Wisdom" Online clothing store	
<b>Use Case name:</b> purchase products	
<b>Primary actor:</b> Costumer	<b>Other actors:</b> Payment processing System
<b>Description:</b> This use case describes how the costumer purchase products.	
<b>Relationships</b> <ul style="list-style-type: none"> <li>▪ <b>Includes:</b></li> <li>▪ <b>Extends:</b></li> </ul>	
<b>Pre-conditions:</b> The costumer should be registered.	
<b>Steps:</b>	
Actor	System
1.1. Costumer checks out product 1.3. Costumer choose payment method. 1.5. Customer fills payment information.	1.2. System displays price and payment methods 1.4. System redirects costumer to payment gateway. 1.6. System validates payment using payment processing system.
<b>Alternative and exceptional flows:</b> 1.1 Costumer fills invalid payment information. 1.2 System declines payment 1.3 System redirects costumer to payment page 1.4 System displays alert message: "Wrong payment information, try again"	
<b>Post-conditions:</b> System displays invoice.	

## 2.4 Non-Functional Requirements

### 2.4.1 Performance

System shall retrieve search results within 5 seconds.

### 2.4.2 Reliability

System shall not exceed 3 crucial failures per month.

### 2.4.3 Availability

System shall be available 98% of the time per month.

### 2.4.4 Security

System shall secure access to consumer's payment data.

### 2.4.5 Maintainability

System maintenance shall not exceed 2 hours per month.

### 2.4.6 Portability

System shall support most devices.

## 3.1 Design Constraints

3.1.1 The system shall be built using a standard web page development tool that conforms to either IBM's CUA standards or Microsoft's GUI standards.

## 4.1 Ethical and Professional Issues

4.1.1 We could not meet each other due to the pandemic. [Public safety]

4.1.2 Some members have contradicting times, so it was difficult to host daily meetings, so we resorted to 3 weekly meetings instead. [*Time*]

4.1.3 We tried our best to avoid plagiarism by making it clear that we reference every project we saw. [Source]

4.1.4 It was hard to make sure everyone understands all the perspective of the project, so we insisted that all members of the project rewatch and reference all lectures related to our project. [knowledge]

4.1.5 Due to the difference of opinions, we had some disagreements, so we made sure that all participants reached an understanding by discussing their views individually and finding a middle ground. [Agreement]

# <7ekma - "Wisdom" Online clothing store>

## <Deliverable 2 >

ID Number	Name	Role	Section #
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## Work Distribution

Student name	Task
Omar Alharf	Class diagram, sequence diagram for use case ( <b>LOGIN</b> )
Nawaf Alahmed	Class diagram, sequence diagram for use case ( <b>REVIEW PRODUCT</b> )
Saleh Alshehri	Mockup screen, Activity diagram ( <b>MOCKUP SCREEN, ACTIVITY DIAGRAM</b> )
*Abdulelah Algahtany*	Class diagram, sequence diagram for use case ( <b>ADD TO CART</b> )
Abulaziz Aldhalaan	Class diagram, sequence diagram for use case ( <b>PURCHASE PRODUCT</b> )

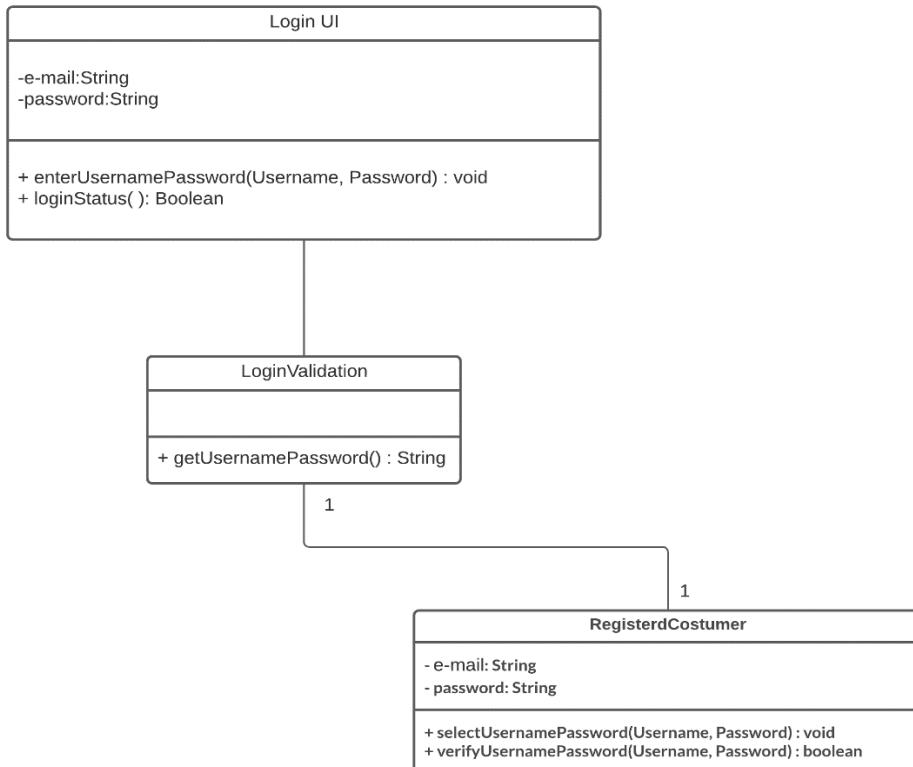
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### WORK DISTRIBUTION

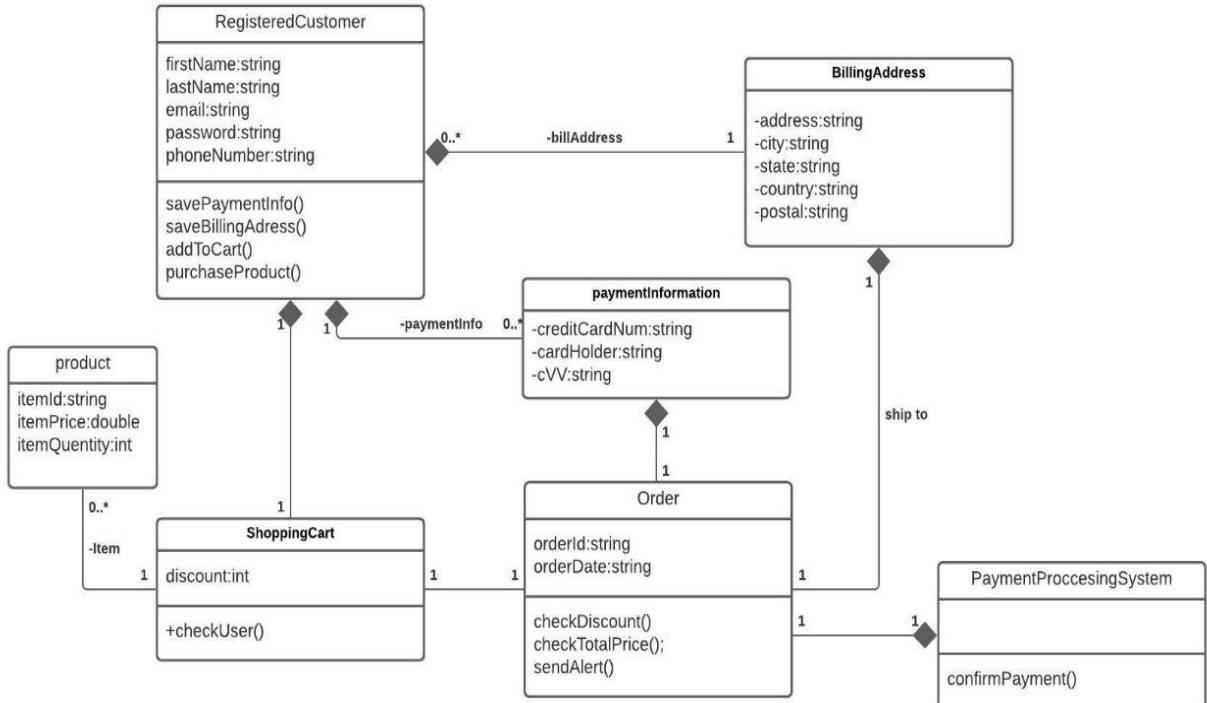
- 1. CLASS DIGRAM
- 2. SEQUENCE DIAGRAM
- 3. ACTIVITY DIAGRAM
- 4. MOCKUP SCREEN

# 1. CLASS DIGRAM

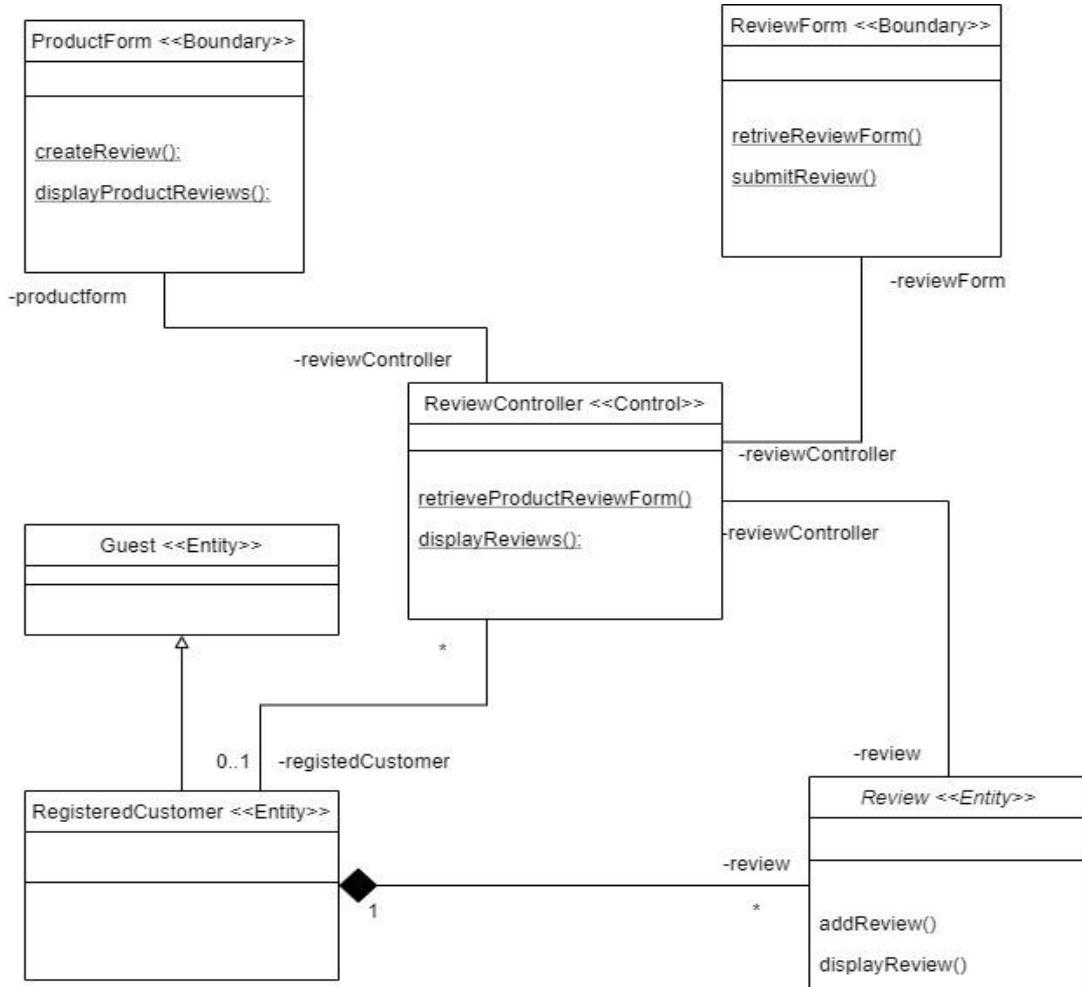
## 1.1 CLASS DIAGRAM FOR (LOGIN)



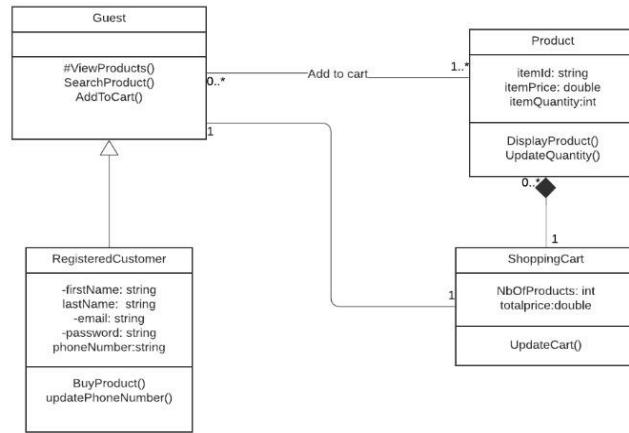
## 1.2 CLASS DIAGRAM FOR (PURCHASE PRODUCT)



### 1.3 CLASS DIAGRAM FOR (REVIEW PRODUCT)

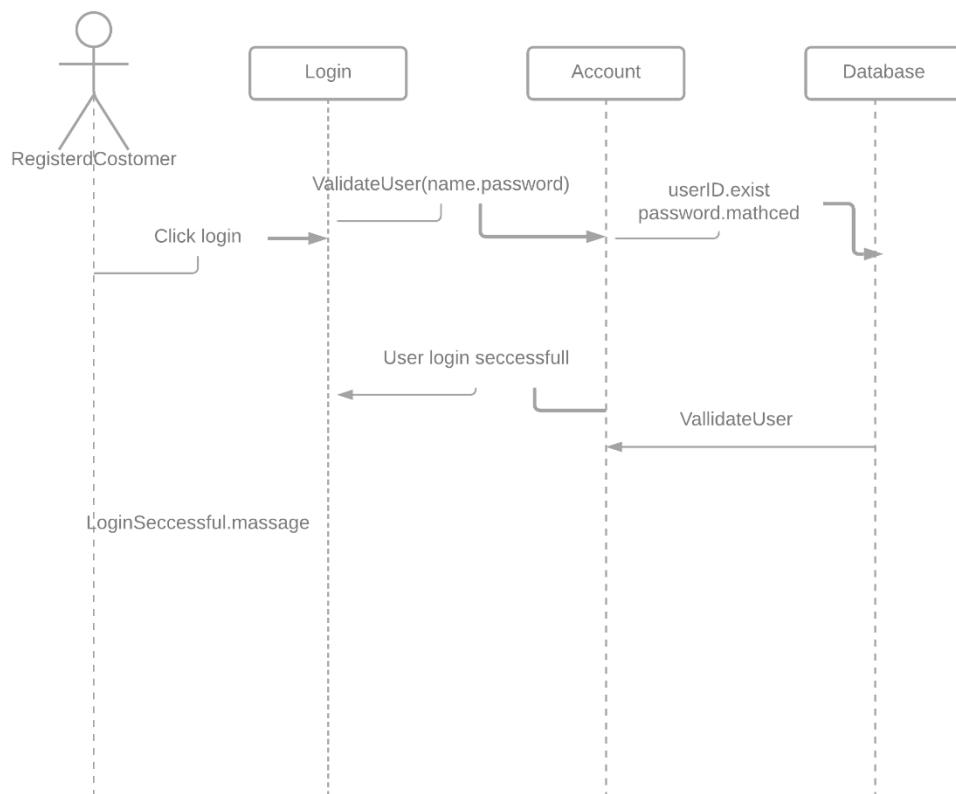


#### 1.4 CLASS DIAGRAM FOR (ADD TO CART)

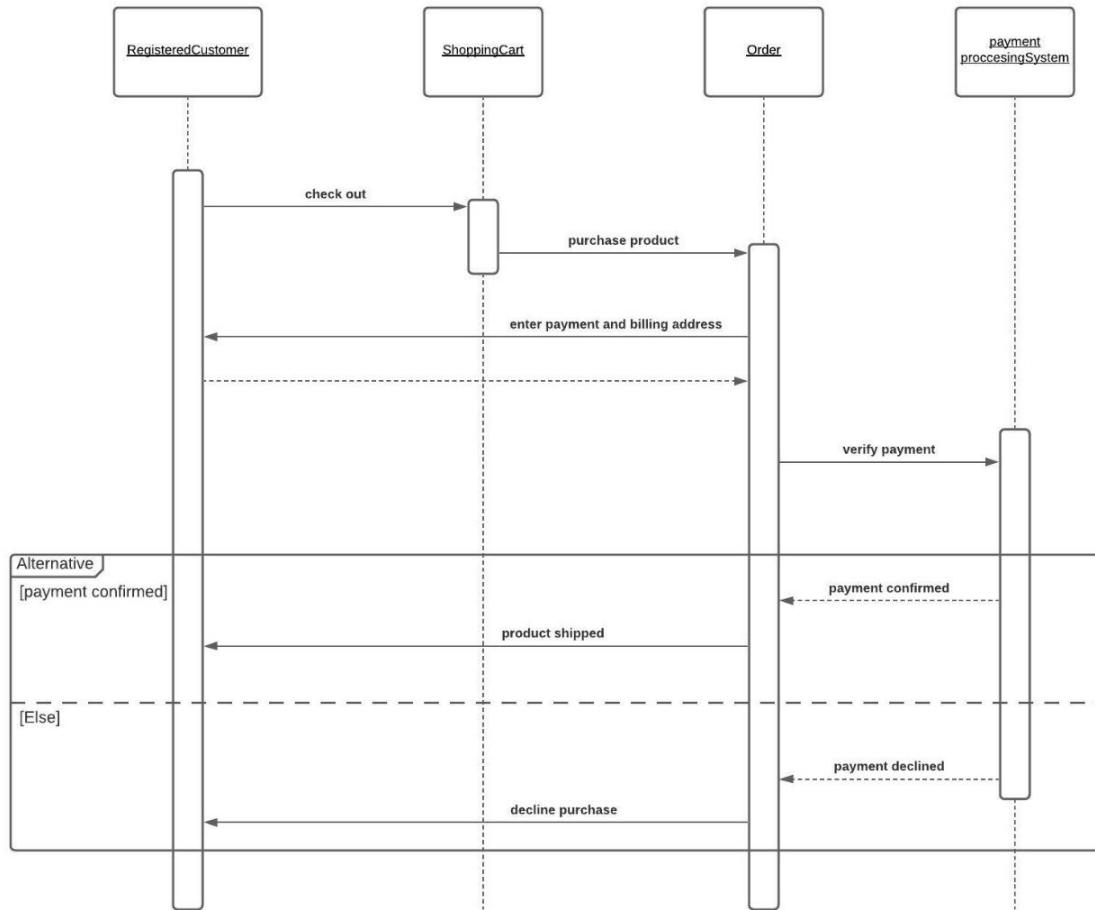


## 2. SEQUENCE DIAGRAM

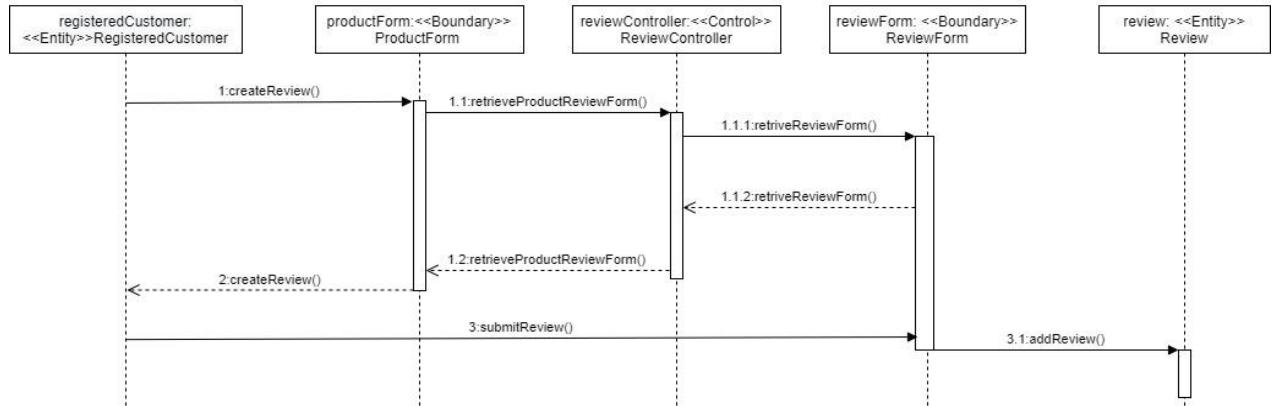
### 2.1 SEQUENCE DIAGRAM FOR (LOGIN)



## 2.2 SEQUENCE DIAGRAM FOR (PUCHASE PRODUCT)



### 2.3 SEQUENCE DIAGRAM FOR (REVIEW PRODUCT)

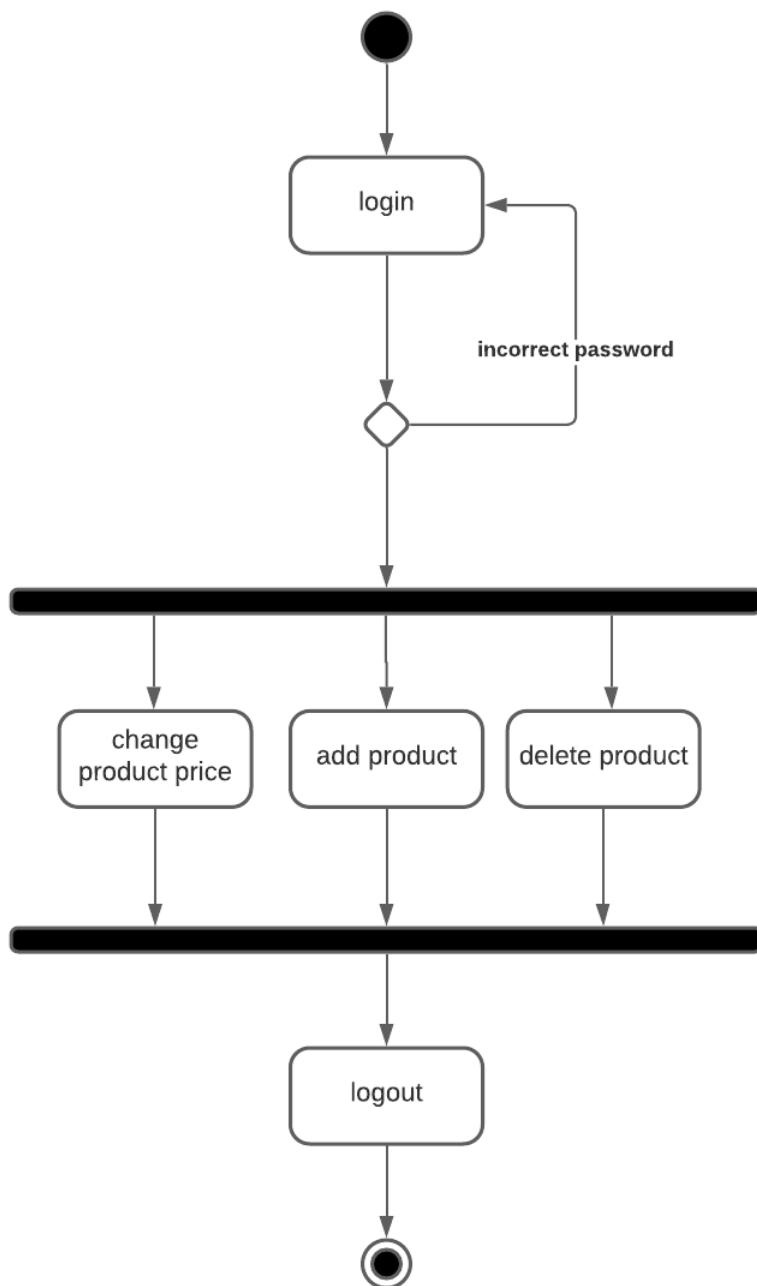


### 2.4 SEQUENCE DIAGRAM FOR (ADD TO CART)

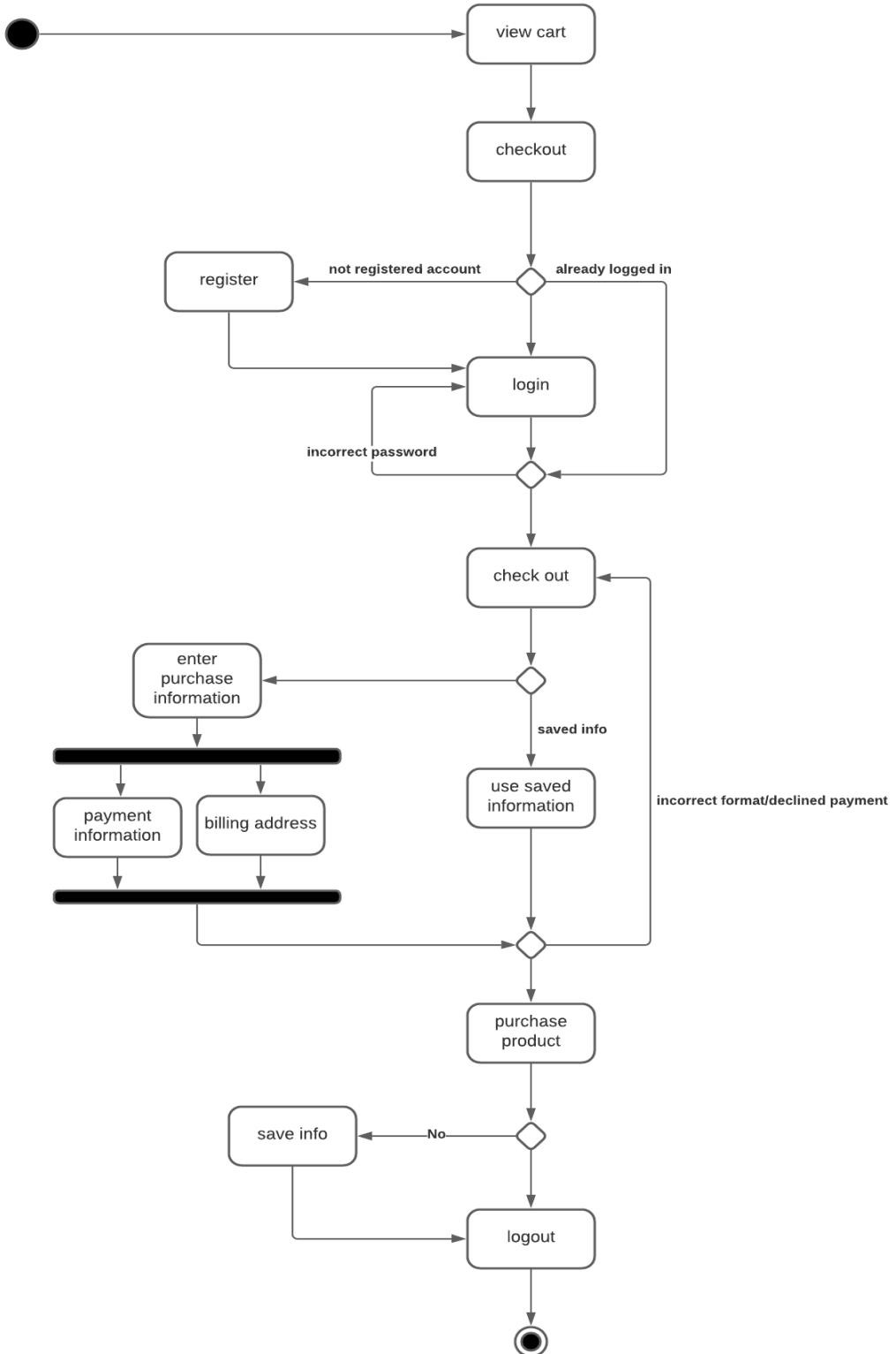


### 3. ACTIVITY DIAGARM

#### 3.1 ACTIVITY DIAGRAM FOR (MANAGE PRODUCT)



### 3.2 ACTIVITY DIAGRAM FOR (PURCHASE PRODUCT)



## 4. MOCKUP SCREEN

4.1 MOCKUP SCREENFOR (LOGIN)

