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## **[Online Jewellery Shopping]**

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# REVIEW I

## 1 INTRODUCTION:

- **Mr. Robert D'costa** started the business from the scratch in 2005. The flagship company of **Yash Gems & Jewelleries (P) Ltd** was formed to carry on the business of manufacturing and trading of Gold & Diamond Jewellery.
- To manufacture diamond Jewellery with ultimate brilliance, **Yash** has employed the latest and most advanced technologies for manufacturing diamond jewellery.
- As a supplier to some of the most exclusive retailers, **Yash** have intimate knowledge of the cultures and trends of the markets served. The national sales and distribution network team allows them to cultivate a close relationship with the customers and guarantees efficient services.
- **Yash** believes in reflecting their jewellery with special magic, conjured by melting of spirit and dedication, labour and craftsmanship, and art of work. The talented designers, skilled craftsmen and dedicated managers use state-of-the-art technology to produce the finest level of diamond jewellery for leading retailers.
- The company's sincere desire is to give every client a reason to feel good. And policy is to offer top quality merchandise to the customers at the best possible price.
- With a vision and motto of providing its customers products of impeccable quality, **Yash** has outnumbered many in innovative design and quality, making itself the benchmark and hallmark of the Indian jewellery industry.

## 2 PROPOSED SOLUTION:

**To develop a complete web-based solution for *Yash***

- The motive of this Online Jewellery Shopping Web Application is to allow the user to play with the search tool and create different combinatorial search criterion to perform exhaustive search.
- Provide Interactive interface through which a user can interact with different areas of application easily.
- A search engine that provides an easy and convenient way to search for products specific to their needs. The search engine would list a set of products based on the search term and the user can further filter the list based on various parameters.
- Provide Shopping Cart feature thereby allowing the user to add products to or remove products from the shopping cart by dragging the products in to or out of the shopping cart.
- Provides accurate level of security so that transactions can be made confidentially.
- People who are not much aware of the system can easily make purchase by easy to register interface.

## 3 REQUIREMENT SPECIFICATION:

- In this system the vendor can launch his/her jewellery products with details of them on website. (Details needs to be captured are as per the table ItemMst below in data dictionary section.)
- He can keep these products for sale as well as can update his site with new ornaments time to time.
- Vendor on his server machine is able to take purchase orders from customers around the world and by validating the truth of orders with verification of customer details he may dispatch the delivery of ornaments to customers via post or courier.
- Vendor can also keep the records of all the customers in a database on his server machine.( UserRegMst in data dictionary)
- He also can create reports of his organization sales using database. He can collect bills form customers online using credit card numbers from customers.

- On the other hand customers on client machine can access the site for online jewellery shopping from any part of the world using internet service.
- Customer can select the ornaments from displayed ornaments and can give online orders for purchasing.
- Customer can provide his specific requirement as the weight of diamond, type, brand, carat for gold, name of gems, quality etc.
- Customer can pay his bills using credit card facility for shopping. The valid customers can send gift ornaments to their relatives and friends on other address through this system
- The Search option on the site is very useful for quick search for the ornaments which the customer needs. This reduces the search and browsing time of clients. Ornaments list is available to clients on this system.
- Customers are able to create their own accounts with individual secured passwords to the vendors. Account holder customer could log in directly by entering login name and password.
- A database should be maintained on the server machine. The database includes customer's details, login details, product list, order details, Bill details, transaction details etc. the database is helpful in getting quick information reports
- In addition to the exclusive search for the jewellery, the site should also provide information about diamonds and various gems. Their history as well as benefits of using gems.
- The information about diamond certification should also be provided.
- The home page should be made attractive by posting the various discount schemes/gift offers/ festive offers/new launches etc.

## **4 HARDWARE / SOFTWARE REQUIREMENTS:**

### **A. Server Requirement**



## Hardware

Component	Requirement
CPU	Processor type: Pentium IV-compatible processor or faster Processor speed: Recommended: 2.0 GHz or faster
OS	Microsoft Windows Server 2012 with IIS
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 2 GB or more
Hard Drive	Free space: Minimum: 200 MB Recommended: 50 GB or more Maximum: Operating system maximum



## Software

Component	Requirement
Microsoft .NET Framework	Version 4.6 or higher
RDBMS	Microsoft SQL Server 2017

## B. Client Requirement



## Hardware

Component	Requirement
CPU	Processor type: Pentium III-compatible processor or faster Processor speed: Recommended: 1.0 GHz or faster
OS	All OS (Window, Linux, Android, Mac OS ...)
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 1 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 10 MB



## Software

Component	Requirement
Web Browser	Chrome, Opera (up to date)

## 5 DEVELOPMENT SOFTWARE:

- ❖ Microsoft Window 10
- ❖ Visual Studio 2019
- ❖ Visual Studio Code
- ❖ Microsoft Sql Server 2018



- ❖ Git
- ❖ Zoom

## 6 TECHNOLOGY:

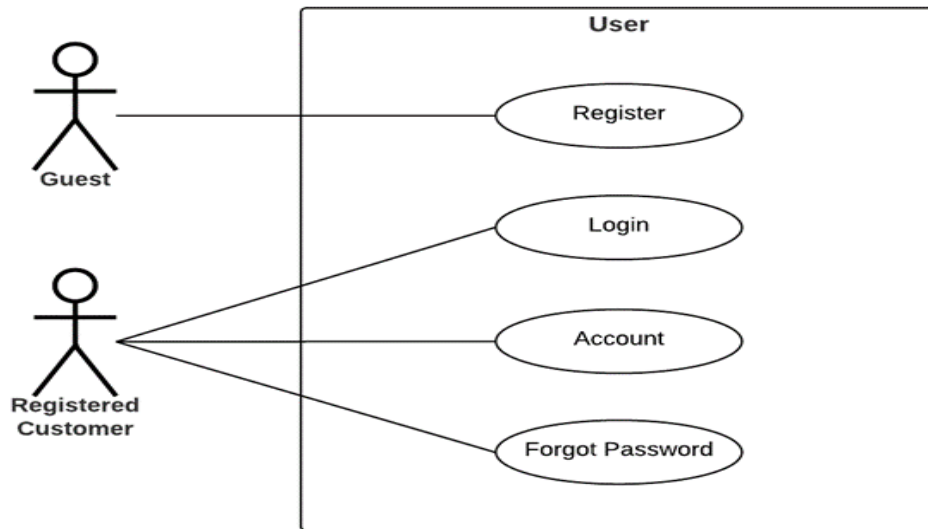
- ❖ HTML/CSS
- ❖ BOOTSTRAP
- ❖ JQUERY
- ❖ AJAX
- ❖ ASP .NET CORE WEB
- ❖ ASP .NET CORE API

## 7 TASKSHEET REVIEW I

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Project Ref. No: 3	Project Title: Online Jewellery Shopping	Date of Preparation of Activity Plan			
No.	Task	Actual Start Date	Actual Days	Team Member Names	Status
01	Acknowledgment	Jan 21, 2021	2	All Members	Completed
02	Problem Definition			All Members	Completed
03	Customer Requirement			All Members	Completed



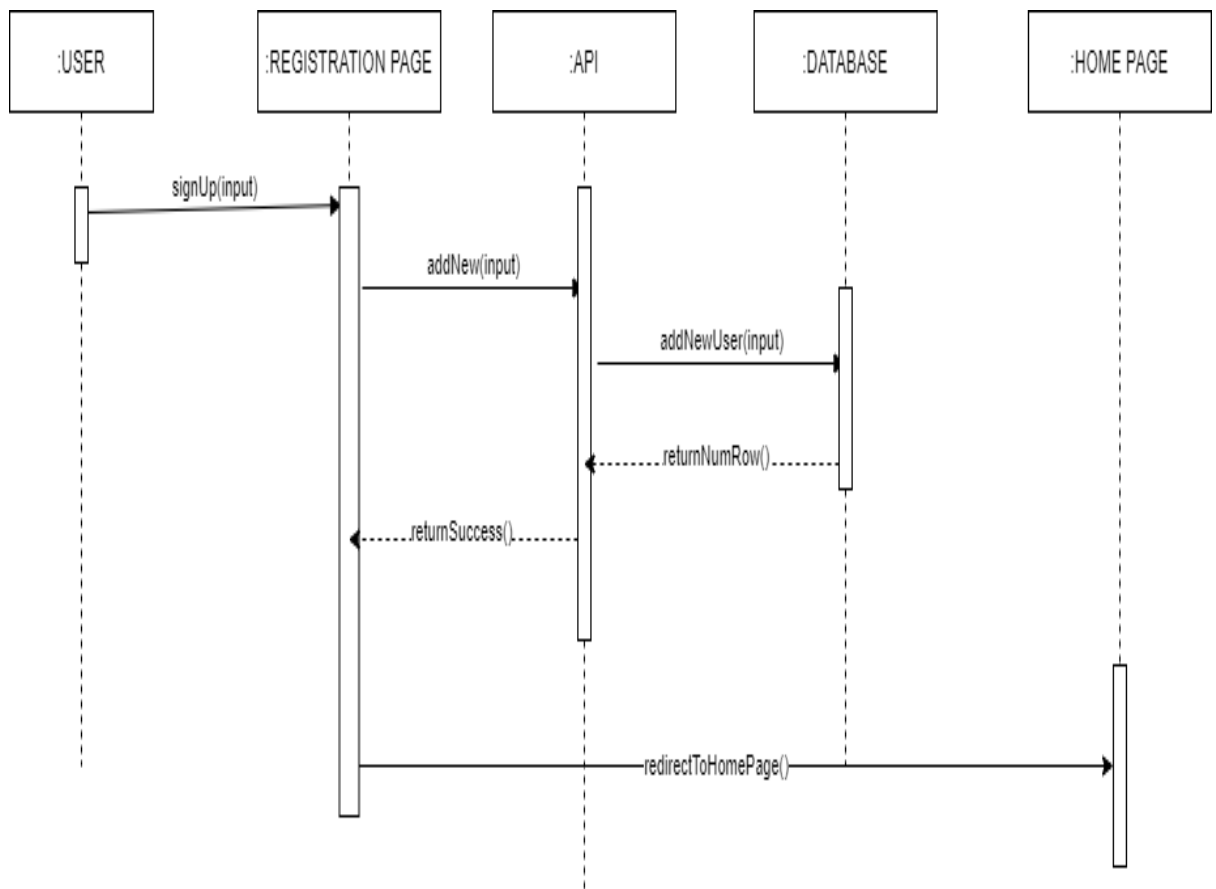


## 8.1 User

### 8.1.1 Register as Customer

<b>Author</b>	Le Minh
<b>Use Case Name</b>	Register as Customer
<b>Actors</b>	Guest
<b>Description</b>	Guest registers an account on the website and becomes a member (customer)
<b>Requirements</b>	Guest provides their register information
<b>Pre-conditions</b>	N/A
<b>Post-conditions</b>	Success: Guest creates a Customer account in this website
	Fail: Refill information

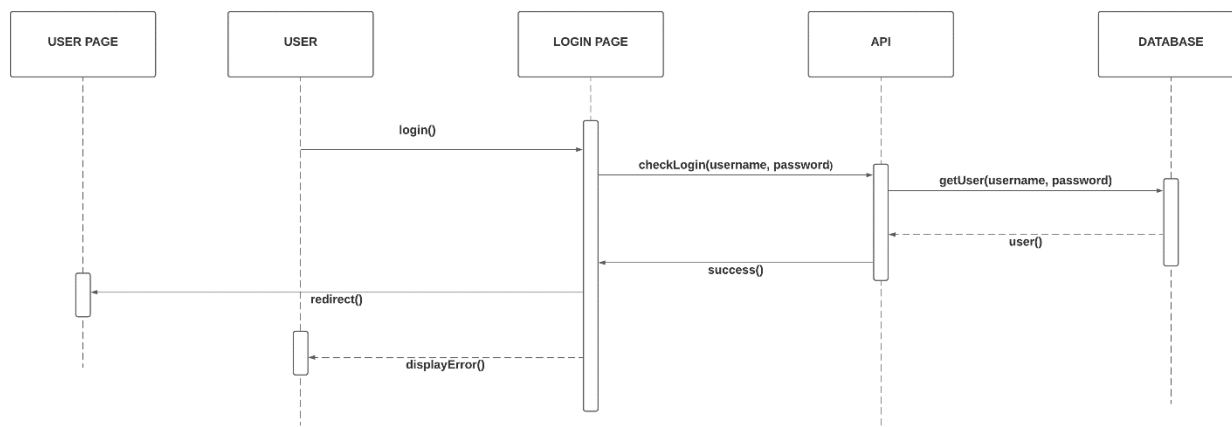
<b>Basic flow</b>	Actor's actions:	System's responses:
	<p>1. Actor clicks 'Register' link on Home Page.</p> <p>3. Actor inputs register's information and click 'Register' button.</p>	<p>2. System redirects to Register page and displays Registration form with the following controls:</p> <ul style="list-style-type: none"> <li>- 'Username' text field</li> <li>- 'Password' text field</li> <li>- 'Confirm Password' text field</li> <li>- 'First Name' text field</li> <li>- 'Last Name' text field</li> <li>- 'Email' text field</li> <li>- 'Phone1' text field</li> <li>- 'Register' button</li> <li>- 'Reset' button</li> </ul> <p>4. System validates the information.</p> <p>5. System inserts the account into database</p> <p>6. System show success message.</p>
<b>Exceptions</b>	Actor's actions:	System's responses:
	<ul style="list-style-type: none"> <li>- Actor left 'Username' text field blank.</li> <li>- Username has already existed.</li> <li>- Actor left 'Password' text field blank.</li> <li>- Actor left 'Confirm Password' text field blank.</li> <li>- Password and confirm password don't match.</li> <li>- Actor left 'Name' text field blank.</li> <li>- Actor left 'Birthday' field blank.</li> <li>- Input age is less than 16.</li> <li>- Actor left 'Phone' text field blank.</li> <li>- Input phone is not numeric format or phone length is not between 8 and 14 characters.</li> <li>- Actor left 'Email' text field blank or input an invalid email address.</li> </ul>	<p>System displays message to actor:</p> <ul style="list-style-type: none"> <li>- 'Username cannot be blank'.</li> <li>- 'This Username has already existed'.</li> <li>- 'Password cannot be blank'.</li> <li>- 'Confirm Password cannot be blank'.</li> <li>- 'Confirm Password does not match password.'</li> <li>- 'Name cannot be blank'.</li> <li>- 'Birthday is invalid'.</li> <li>- 'Age must be over 16'.</li> <li>- 'Phone is invalid'.</li> <li>- 'The phone number should be numeric only and must be between 8 and 14 digits'.</li> <li>- 'Email is invalid'.</li> </ul>



### 8.1.2 Login as Customer

<b>Author</b>	Le Minh	
<b>Use Case Name</b>	Login	
<b>Actors</b>	Customer	
<b>Description</b>	Customer who has registered an account can login	
<b>Requirements</b>	Actor provides username and password	
<b>Pre-conditions</b>	Actor must register an account	
<b>Post-conditions</b>	Success: User is logged in to website	
	Fail: Refill information	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor clicks on 'Login' button.  3. Actor inputs Username (or email) and Password, then click the 'Login' button.	2. System redirects to Login Page with the following controls - 'Username' text field - 'Password' text field - 'Login' button 4. System checks the information. 5. System redirects to User's dashboard.
<b>Exceptions</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor inputs invalid username (or email) and password.	System redirects to Login page with the following controls: - 'Username' text field

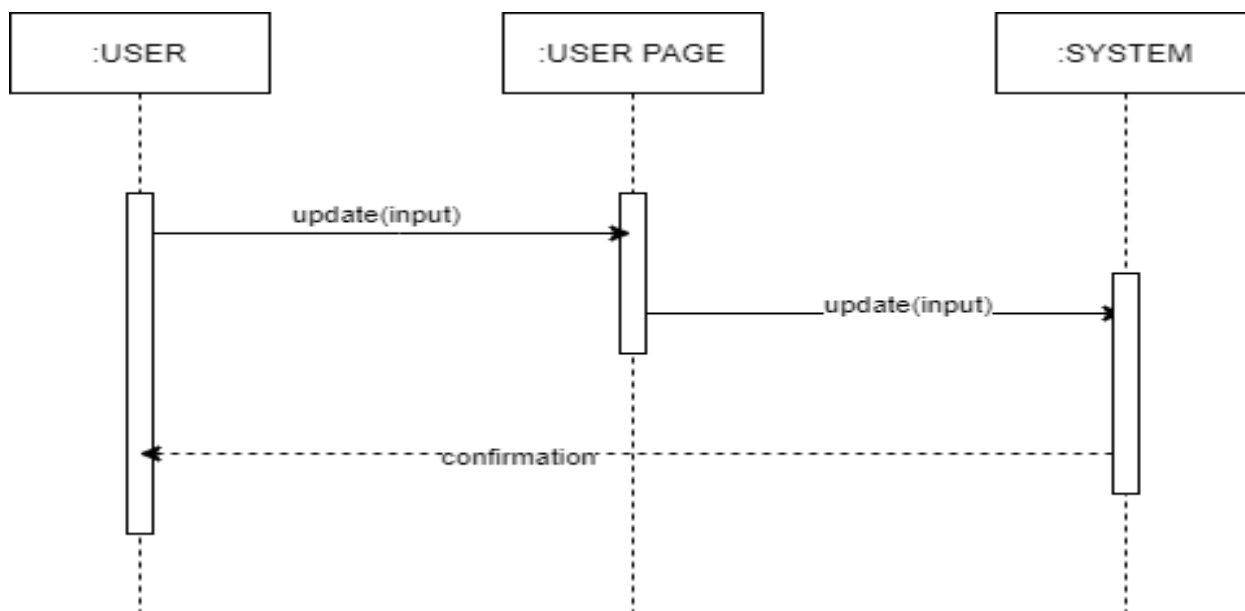
		- 'Password' text field - 'Login' button. System shows message: "Invalid Username and password".
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### 8.1.3 Update as Customer

<b>Author</b>	Le Minh	
<b>Use Case Name</b>	Update Customer's Profile	
<b>Actors</b>	Customer	
<b>Description</b>	Customer wants to Update their profile's information.	
<b>Requirements</b>	Actor provides profile information	
<b>Pre-conditions</b>	Actor has logged in.	
<b>Post-conditions</b>	Success: Profile's information of this user has been updated.	
	Fail: Refill information	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor clicks 'Profile' button in Actor's Home page menu.	2. System redirects to Update Profile page and displays Update Profile form with the following controls : - 'Old Password' text field - 'New Password' text field - 'New Password Confirm' text field - 'First Name' text field - 'Last Name' text field - 'Birthday' field - 'Gender' radio button - 'Address' text field - 'Phone' text field (x2) - 'Email' text field - 'Save' button - 'Cancel' button 4. System checks the information.

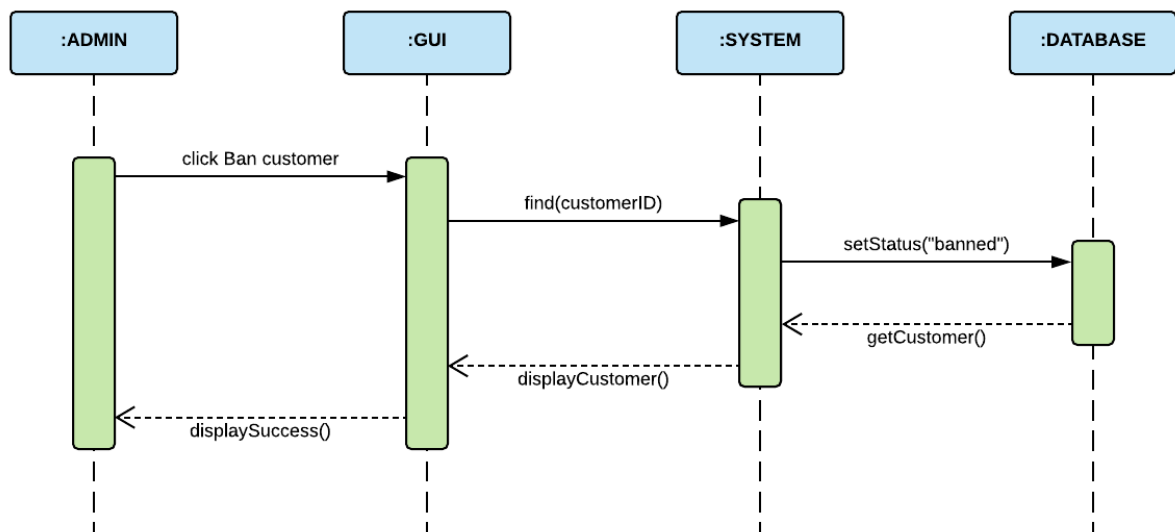
	3. Actor updates information and click 'Save' button.	5. System updates the account in database and then redirects to User's Dashboard
<b>Exceptions</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor left 'New Password' text field blank. 2. Actor left 'Confirm Password' text field blank. 3. New Password and New Password Confirm do not match. 4. Actor left 'Name' text fields blank. 5. Actor left 'Birthday' field blank. 6. Input age in 'Birthday' field is less than 16. 7. Actor left 'Address' text field blank. 8. Actor left 'Phone' text fields blank. 9. Input phone is not in numeric or phone length is not in between 8 and 14 characters. 10. Actor left 'Email' text field blank or input an invalid email address.	System displays message to actor : - 'Password cannot be blank'. - 'Confirm Password can't be blank'. - 'Confirm password does not match Password.'= - 'Name cannot be blank'. - 'Birthday is invalid'. - 'Age must be over 16'. - 'Address cannot be blank'. - 'Phone is invalid'. - 'The phone number should be numeric only and must be between 8 and 14 digits'. - 'Email is invalid'.



#### 8.1.4 Customer Ban (Admin)

<b>Author</b>	Bui Quoc Tuan
<b>Use case name</b>	Ban a customer
<b>Actors</b>	Administrator

<b>Description</b>	When admin wants to ban a customer	
<b>Requirements</b>	Actor provides customer's information	
<b>Pre-conditions</b>	Actor is logged in as admin or super admin	
<b>Post-conditions</b>	Success: set customer's status into "Banned" and updated in database	
	Fail: No changes are made	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor chooses Customer row on Customer list and click "Ban" button.	2. System updates customer's status in database. 3. System displays confirmation message or error message.



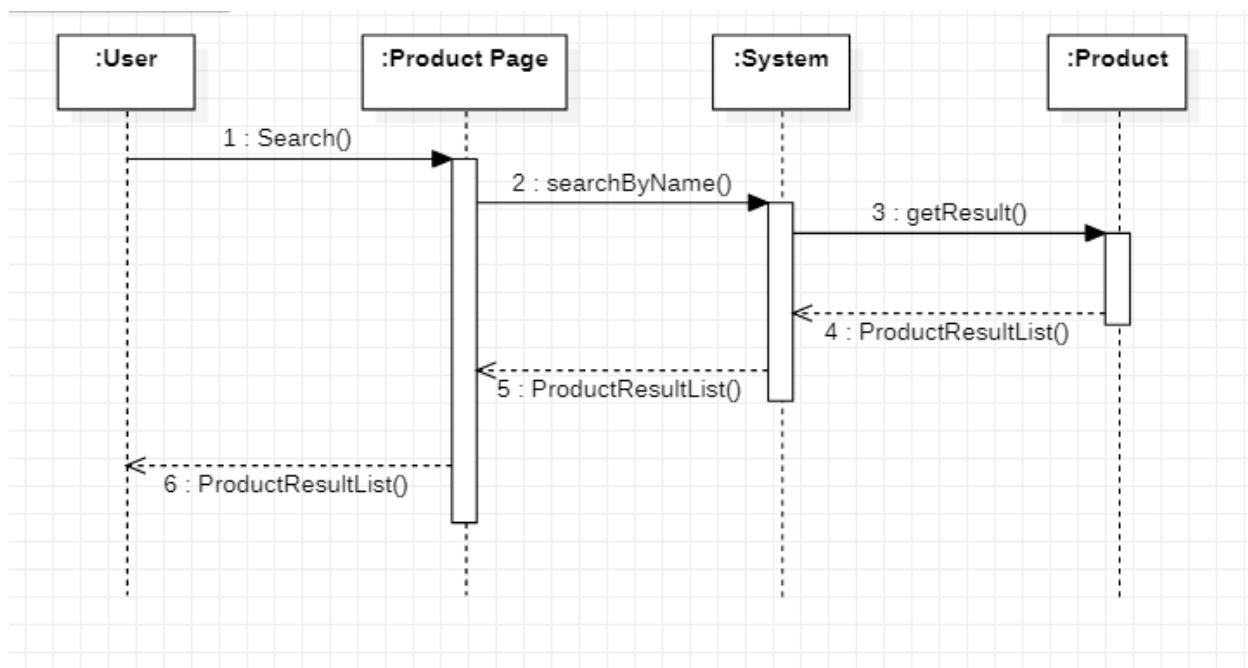
## 8.2 Product

### 8.2.1 Search Product As Customer

<b>Author</b>	Phan Van Phuong
<b>Use case name</b>	Search products
<b>Actors</b>	Guest/Customer
<b>Description</b>	When Guest/Customer wants to search product
<b>Requirements</b>	Actor provides search phrase
<b>Pre-conditions</b>	N/A
<b>Post-conditions</b>	Success: Show products that matches search phrase
	Fail: No product is show



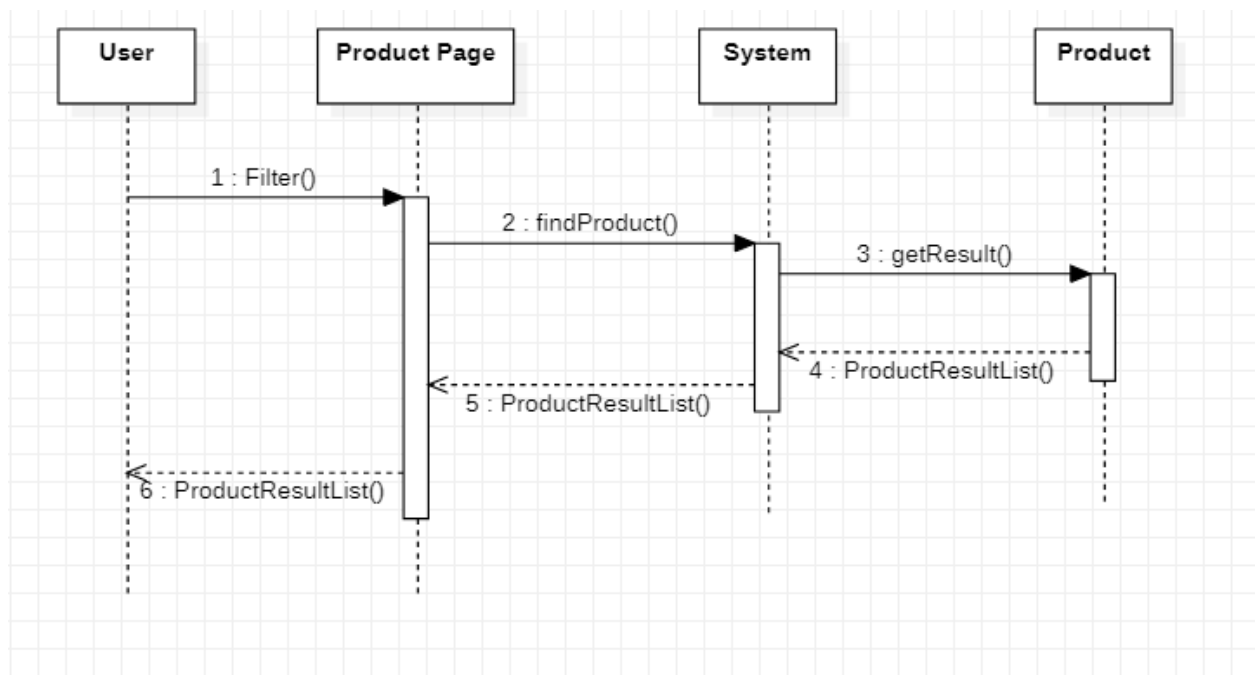
Basic flow	Actor's actions:	System's responses:
	1. Actor inputs search phrase.  3. Actor clicks product's name in list or view every product that matches search phrase.	2. System show list of products that match the search phrase. 4. System allows actor to sort products by: <ul style="list-style-type: none"> <li>- Oldest</li> <li>- Newest</li> <li>- Lowest Price</li> <li>- Highest Price</li> </ul>



### 8.2.2 Filter Product

<b>Author</b>	Phan Van Phuong
<b>Use case name</b>	Product Filter
<b>Actors</b>	Guest/Customer
<b>Description</b>	Guest/Customer wants to filter products by one or multiple conditions
<b>Requirements</b>	Actor chooses conditions by ticking checkboxes
<b>Pre-conditions</b>	N/A
<b>Post-conditions</b>	Success: Products that matches condition(s) are shown
	Fail: No product is shown

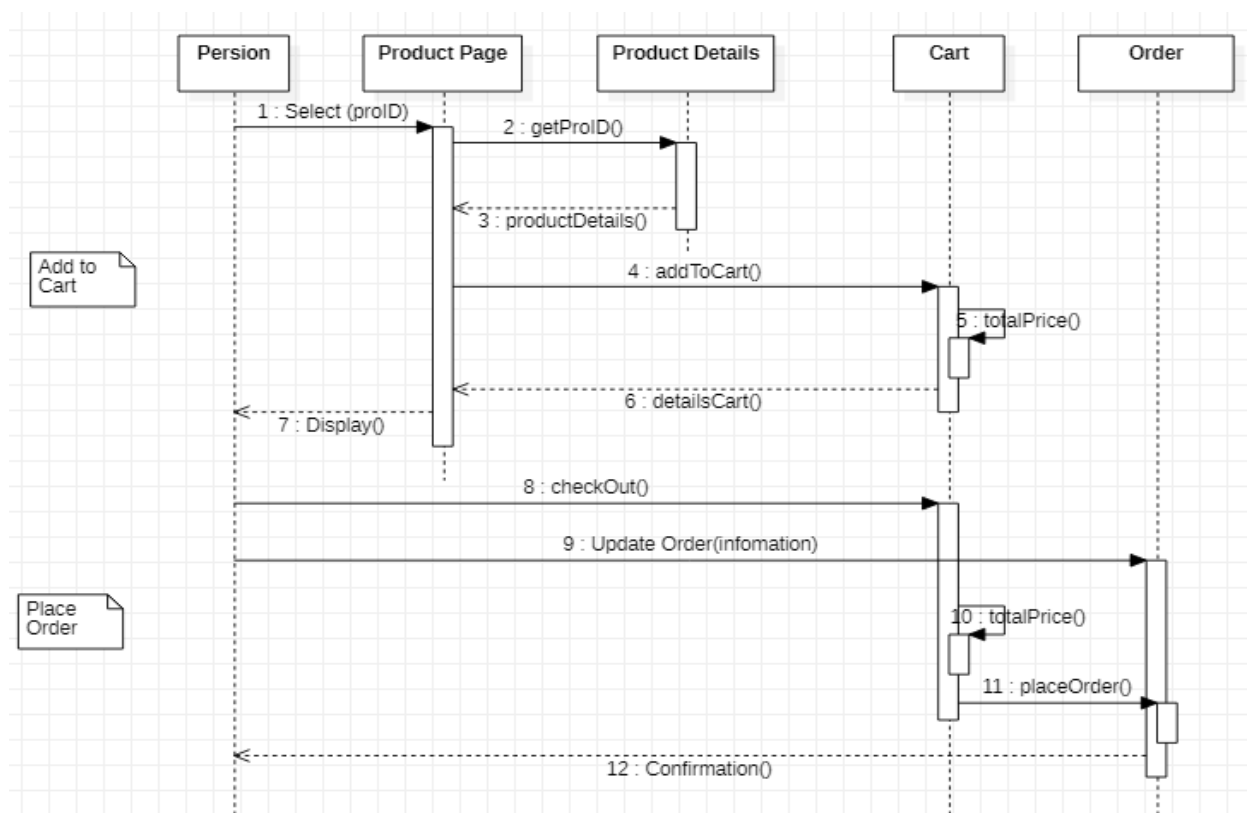
	Actor's actions:	System's responses:
<b>Basic flow</b>	1. Actor ticks one or multiple of the following checkboxes: - Categories - Collections - Attributes - Price	2. System show products that satisfy the condition(s) 3. System allows actor to sort products by: - Oldest - Newest - Lowest Price - Highest Price



### 8.2.3 Place Orders

<b>Author</b>	Phan Van Phuong	
<b>Use case name</b>	Check Out and Place Orders	
<b>Actors</b>	Guest/Customer	
<b>Description</b>	Guest/Customer wants to order products	
<b>Requirements</b>	Actor must choose at least one product to add to cart	
<b>Pre-conditions</b>	Cart has at least one product	
<b>Post-conditions</b>	Success: Actor order successfully	
	Fail: Refill information	
	Actor's actions:	System's responses:
<b>Basic flow</b>	1. Actor chooses a product and click 'Add to Cart' button. 3. Actor clicks 'Checkout' button. 4. Actor inputs Voucher Code and clicks 'Apply Voucher' button.	2. System adds product to cart by Sku ID. 4. System shows Cart and added products. 5. System verifies voucher code. 6. System shows all products in cart and calculate unit price. 7. System redirects to Order Information page and show the following controls:

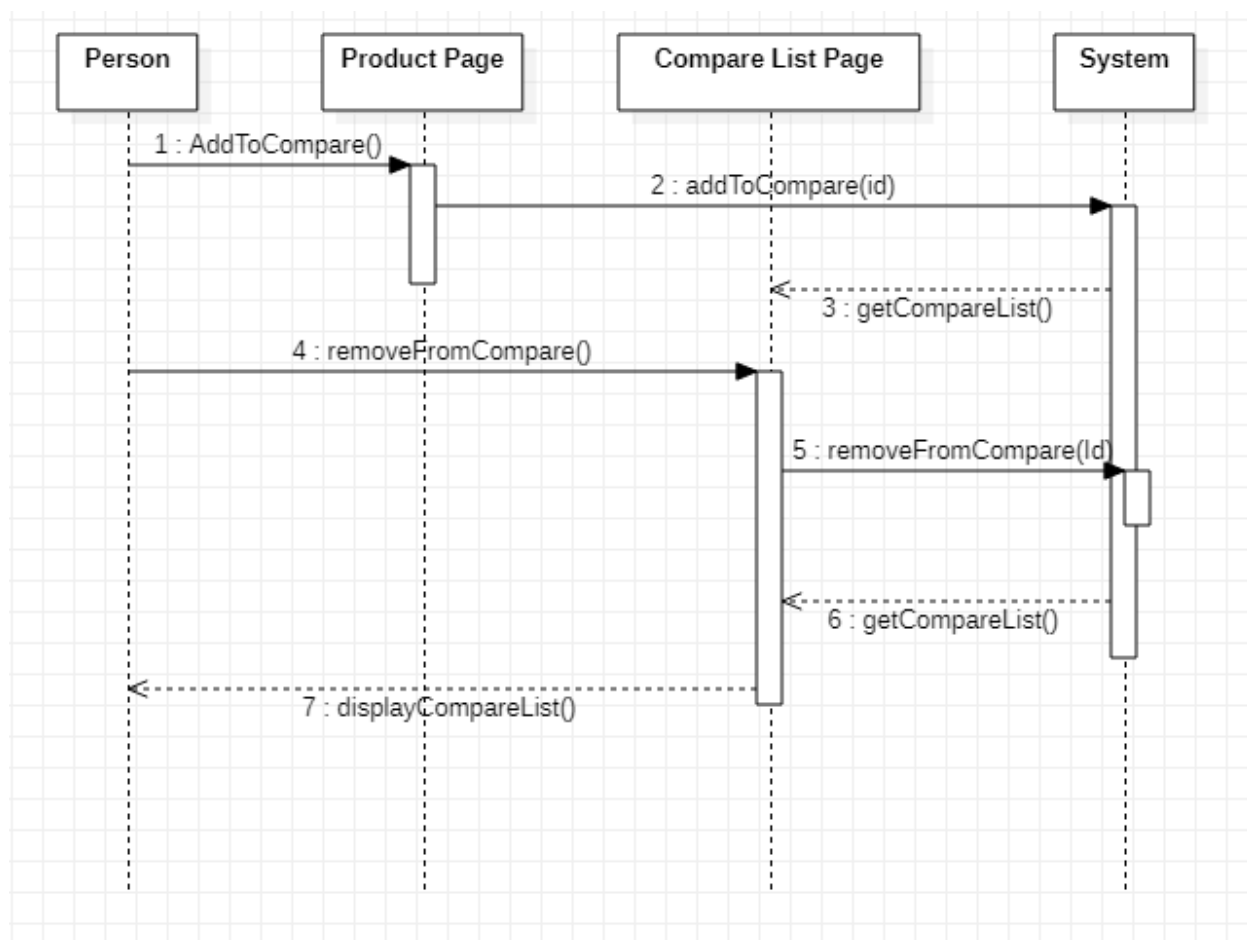
	<p>8. Actor inputs order information, then click 'Place Order' button.</p> <p>10. Actor inputs Card Owner's Name, Card Number and Security Code.</p>	<ul style="list-style-type: none"> <li>- 'Billing Name' text field</li> <li>- 'Address' text field</li> <li>- 'Required date'</li> <li>- 'Payment' checkboxes</li> </ul> <p>9. Systems show Payment Page if user chooses Pay with Card method.</p> <p>11. System validates information.</p> <p>12. System redirects to Order page and shows order's status.</p>
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#### 8.2.4 Compare Product

<b>Author</b>	Phan Van Phuong	
<b>Use Case Name</b>	Compare products	
<b>Actors</b>	Guest/Customer	
<b>Description</b>	Customer compares products	
<b>Requirements</b>	Customer choose products they want to compare	
<b>Pre-conditions</b>	N/A	
<b>Post-conditions</b>	Success: show a list of compared products	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>

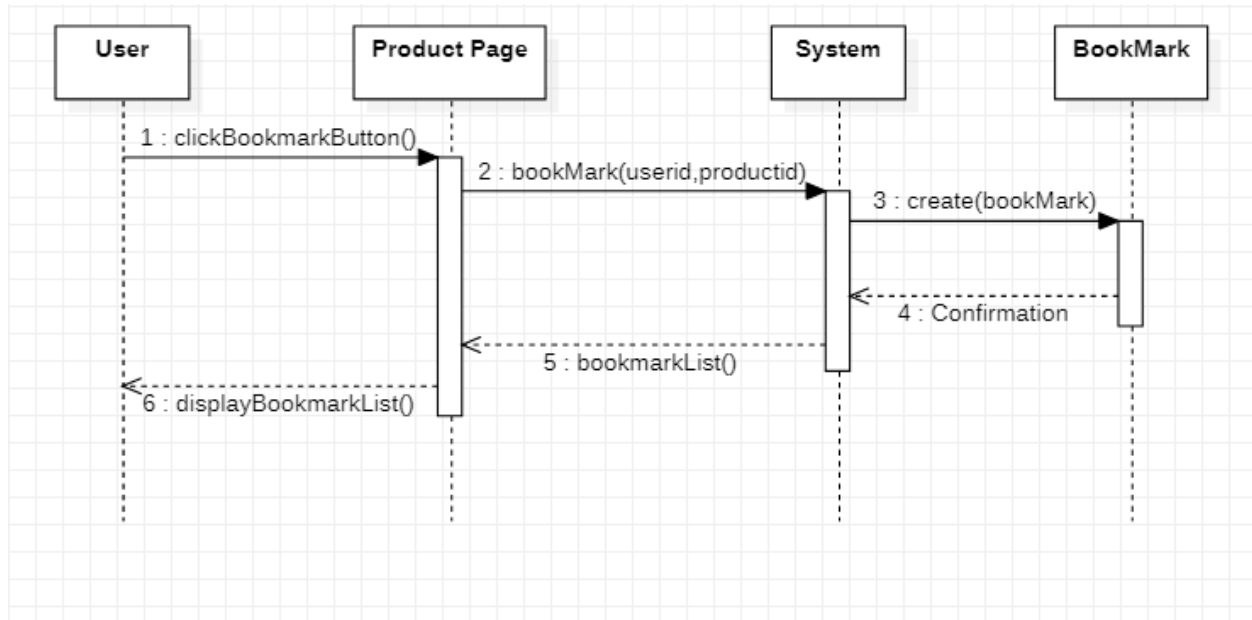
	1. Actor adds click ‘compare’ button on product.  3. Actor clicks ‘Compare List’ button in the menu.	2. System adds product into compared list and shows the number of products which are added (default: 0). 4. System redirects to Compare List Page and shows all compared products.
<b>Alternative flow</b>	1. Actor clicks ‘Remove this item’ button.	2. System removes product form compared list.
<b>Exceptions</b>	<b>Actor’s actions:</b>	<b>System’s responses:</b>
	1. Actor added more than 5 products.	2. System does not add product and redirects to Compare List Page.



### 8.2.5 Bookmark Product

<b>Author</b>	Phan Van Phuong
<b>Use Case Name</b>	Bookmark product
<b>Actors</b>	Customer
<b>Description</b>	Customer wants to bookmark products to view it later
<b>Requirements</b>	Customer choose products they want to bookmark
<b>Pre-conditions</b>	Actor is logged in
<b>Post-conditions</b>	Success: show bookmarked products in customer's bookmark list

	Actor's actions:	System's responses:
<b>Basic flow</b>	1. Actor clicks 'bookmark' icon on each product in Product Page. 3. Actor clicks 'Wish List' link.	2. System adds bookmark in database.  4. System shows list of bookmarked products.

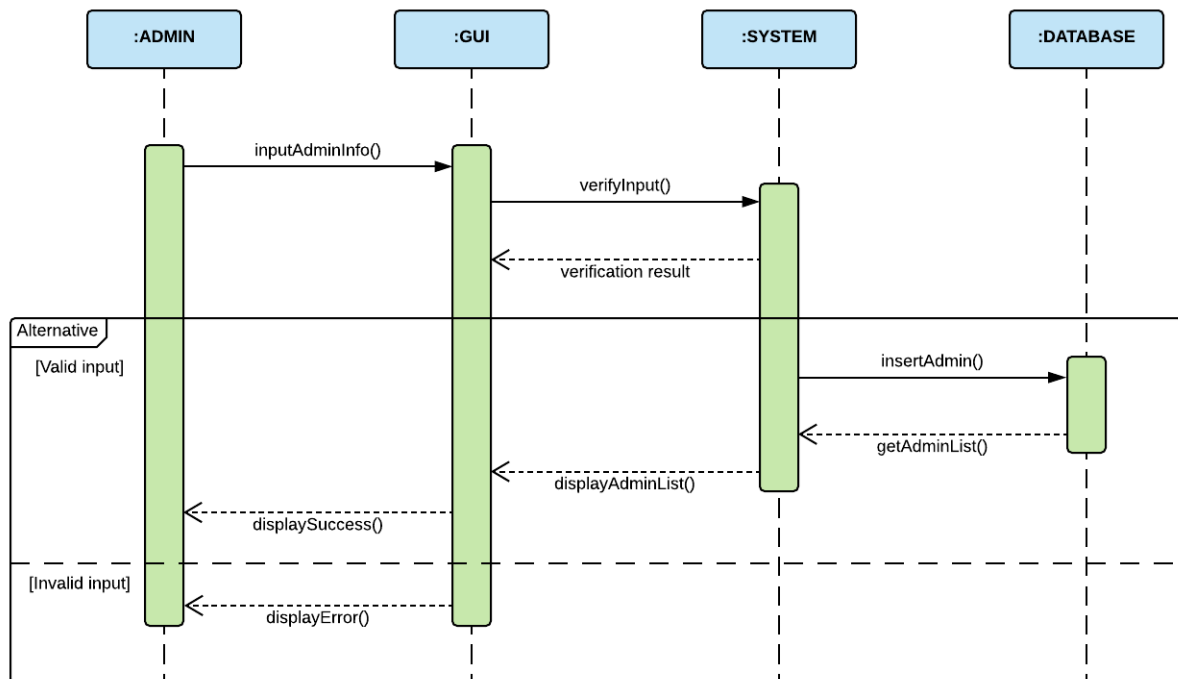


## 8.3 Admin

### 8.3.1 Add Admin's Account

<b>Author</b>	Phan Minh Cuong	
<b>Use case name</b>	Add admin's accounts	
<b>Actors</b>	Super Administrator	
<b>Description</b>	When admin wants to add a new admin's account in the database	
<b>Requirements</b>	Super Admin provides admin information	
<b>Pre-conditions</b>	Actor is logged in as a Super Admin	
<b>Post-conditions</b>	Success: a new admin's account is created in the database	
	Fail: Refill information	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor chooses Admin Tab on menu.  3. Actor chooses 'Create an Admin Account' button.  5. Actor inputs information to create admin.	2. System redirects to 'Admin List' page and display a list of existing admin. 4. System displays admin form with the following fields. - Admin's Username - Admin's password - Confirm password - Admin's role 6. System validates inputs. 7. System adds new admin to database. 7. System displays confirmation message.
<b>Exceptions</b>	<b>Actor's actions:</b>	<b>System's responses:</b>

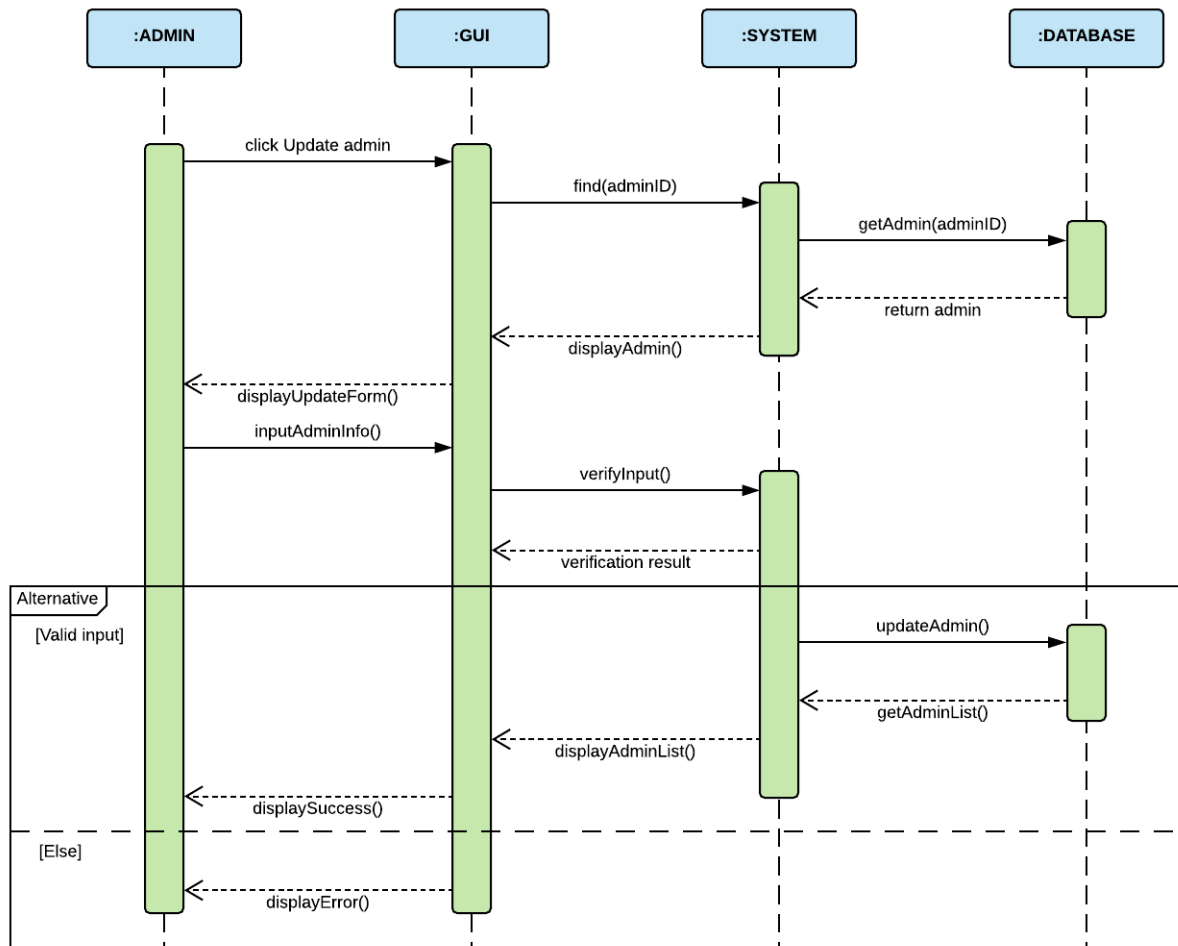
	1. Actor left 'Username' field blank. 2. Actor inputs an existing Username. 2. Actor left 'Password' field blank. 3. 'Confirm password' does not match 'Password'.	System displays messages: - 'Username' cannot be blank'. - 'Username already exists' - 'Password cannot be blank'. - 'Confirm password does not match password'
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### 8.3.2 Update Admin

<b>Author</b>	Phan Minh Cuong	
<b>Use case name</b>	Update admin's accounts	
<b>Actors</b>	Super Administrator	
<b>Description</b>	When admin wants to update an admin's account in the database	
<b>Requirements</b>	Super Admin provides admin information	
<b>Pre-conditions</b>	Actor is logged in as a Super Admin	
<b>Post-conditions</b>	Success: admin's account is updated in the database	
	Fail: Refill information	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>
	1. Actor chooses Admin Tab on menu.  3. Actor chooses Admin they want to update.   5. Actor inputs information to update admin.	2. System redirects to 'Admin List' page and display a list of existing admin. 4. System displays admin form with the following fields. - Admin's password - Confirm password - Admin's role 6. System validates inputs. 7. System updates admin in database. 8. System displays confirmation message or error message.

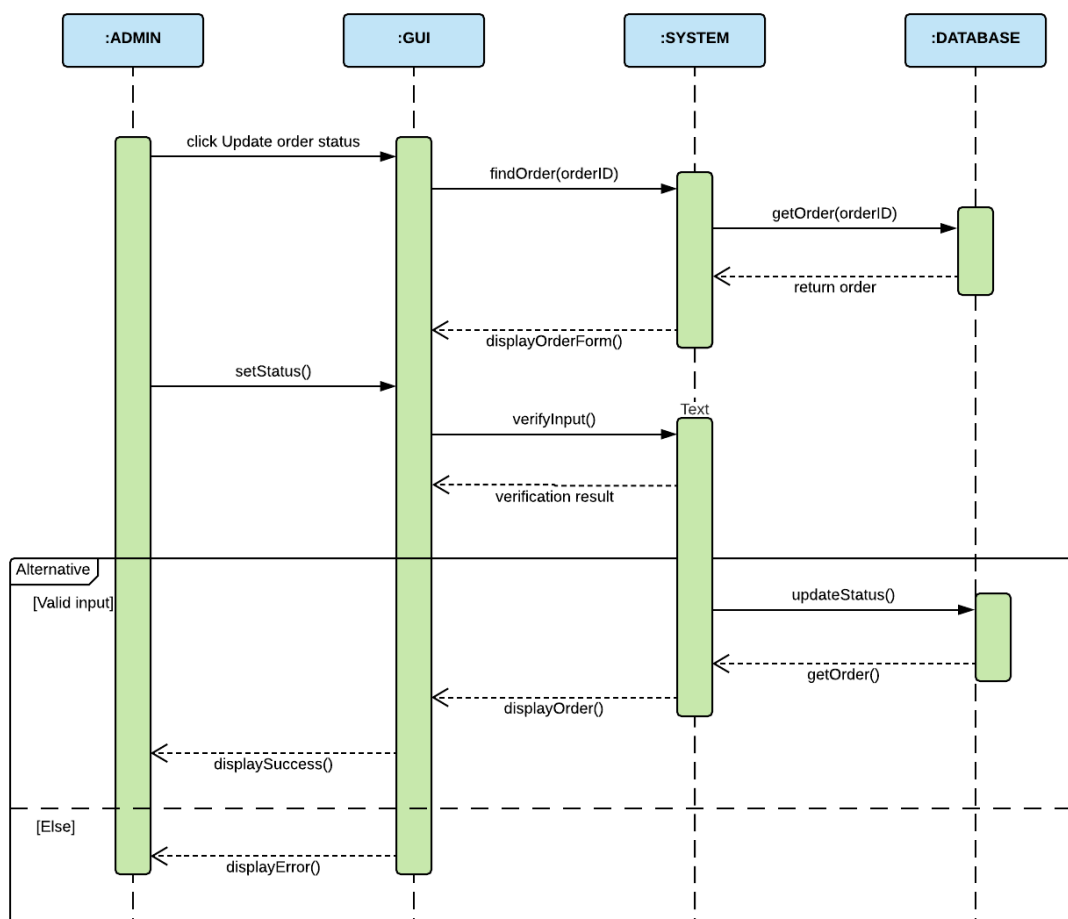
Exceptions	Actor's actions:	System's responses:
	1. Actor left 'Username' field blank. 2. Actor inputs an existing Username. 2. Actor left 'Password' field blank. 3. 'Confirm password' does not match 'Password'.	System displays messages: - 'Username' cannot be blank'. - 'Username already exists' - 'Password cannot be blank'. - 'Confirm password does not match password'



### 8.3.3 Order (Update Order's Status)

<b>Author</b>	Bui Quoc Tuan	
<b>Use case name</b>	Update Order's Status	
<b>Actors</b>	Administrator	
<b>Description</b>	When admin wants to update order's status	
<b>Requirements</b>	Actor provides order's information	
<b>Pre-conditions</b>	Actor is logged in as admin or super admin	
<b>Post-conditions</b>	Success: order's status is updated in the database	
	Fail: refill information	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses:</b>

	1. Actor chooses Order Tab on menu.  3. Actor clicks 'Update Status' button on an order.  5. Actor chooses the status they want to update.	2. System redirects to 'Order List' page and display a list of existing orders. 4. System displays a list of statuses: Pending, Confirmed, Canceled, Completed, On Delivery. 6. System updates collection in database. 7. System displays confirmation message.
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## 8.4 Report

### 8.4.1 View Report

<b>Author</b>	Phan Minh Cuong
<b>Use case name</b>	View Product Report
<b>Actors</b>	Administrator
<b>Description</b>	When admin wants to view report on products
<b>Requirements</b>	N/A
<b>Pre-conditions</b>	Actor is logged in as admin or super admin
<b>Post-conditions</b>	Success: Display a report on products



<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses</b>
	1. Actor chooses 'Product Report' in menu.	2. System redirects to 'Product Report' page.

#### 8.4.2 View Order Report

<b>Author</b>	Bui Quoc Tuan	
<b>Use case name</b>	View Order Report	
<b>Actors</b>	Administrator	
<b>Description</b>	When admin wants to view report on orders	
<b>Requirements</b>	N/A	
<b>Pre-conditions</b>	Actor is logged in as admin or super admin	
<b>Post-conditions</b>	Success: Display a report on orders	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses</b>
	1. Actor chooses 'Order Report' in menu.	2. System redirects to 'Order Report' page.

#### 8.4.3 View Customer Report

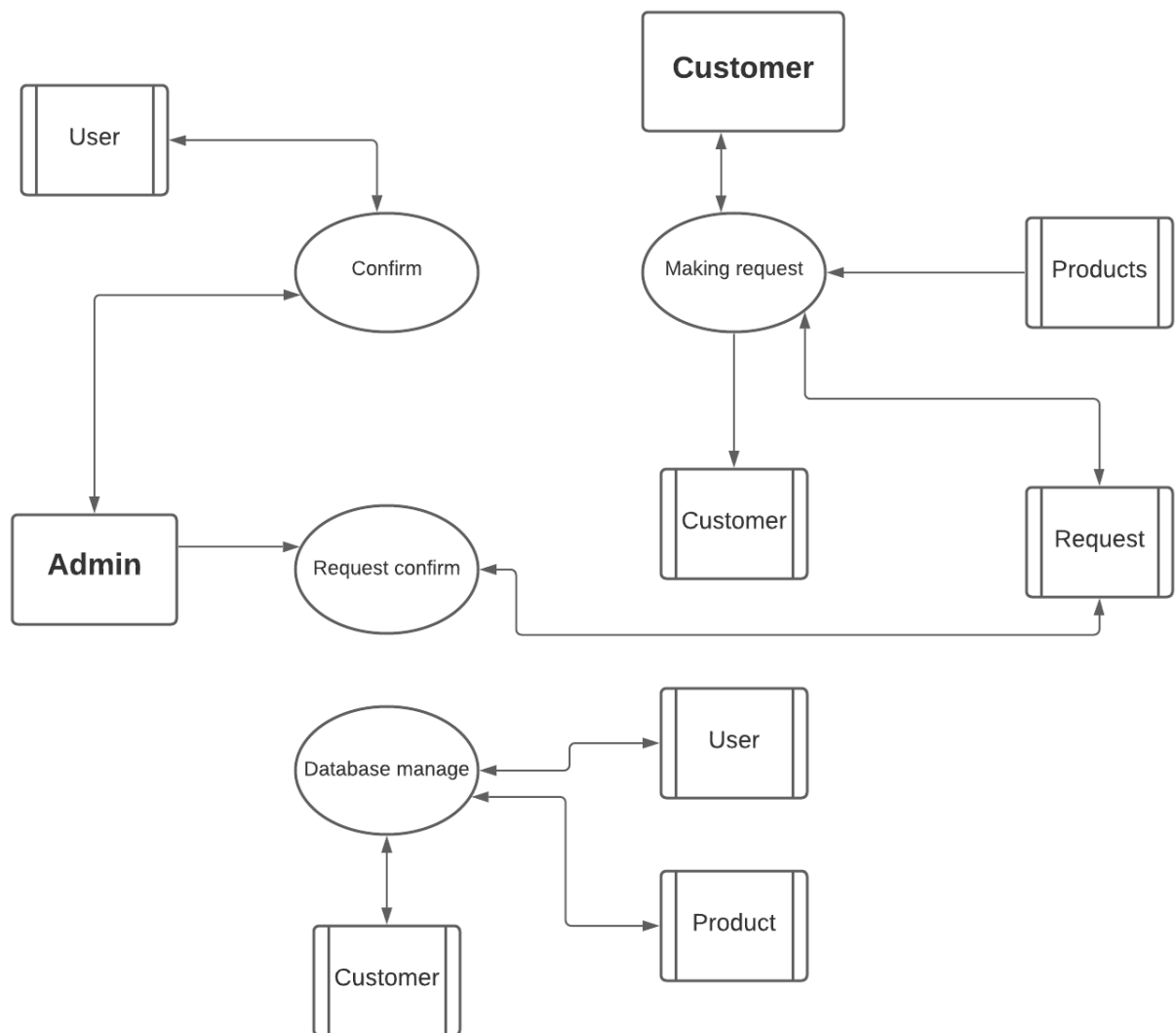
<b>Author</b>	Nguyen Khai Nguyen	
<b>Use case name</b>	View Customer Report	
<b>Actors</b>	Administrator	
<b>Description</b>	When admin wants to view report on customers	
<b>Requirements</b>	N/A	
<b>Pre-conditions</b>	Actor is logged in as admin or super admin	
<b>Post-conditions</b>	Success: Display a report on customers	
<b>Basic flow</b>	<b>Actor's actions:</b>	<b>System's responses</b>
	1. Actor chooses 'Customer Report' in menu.	2. System redirects to 'Customer Report' page.

## 9 DFD's

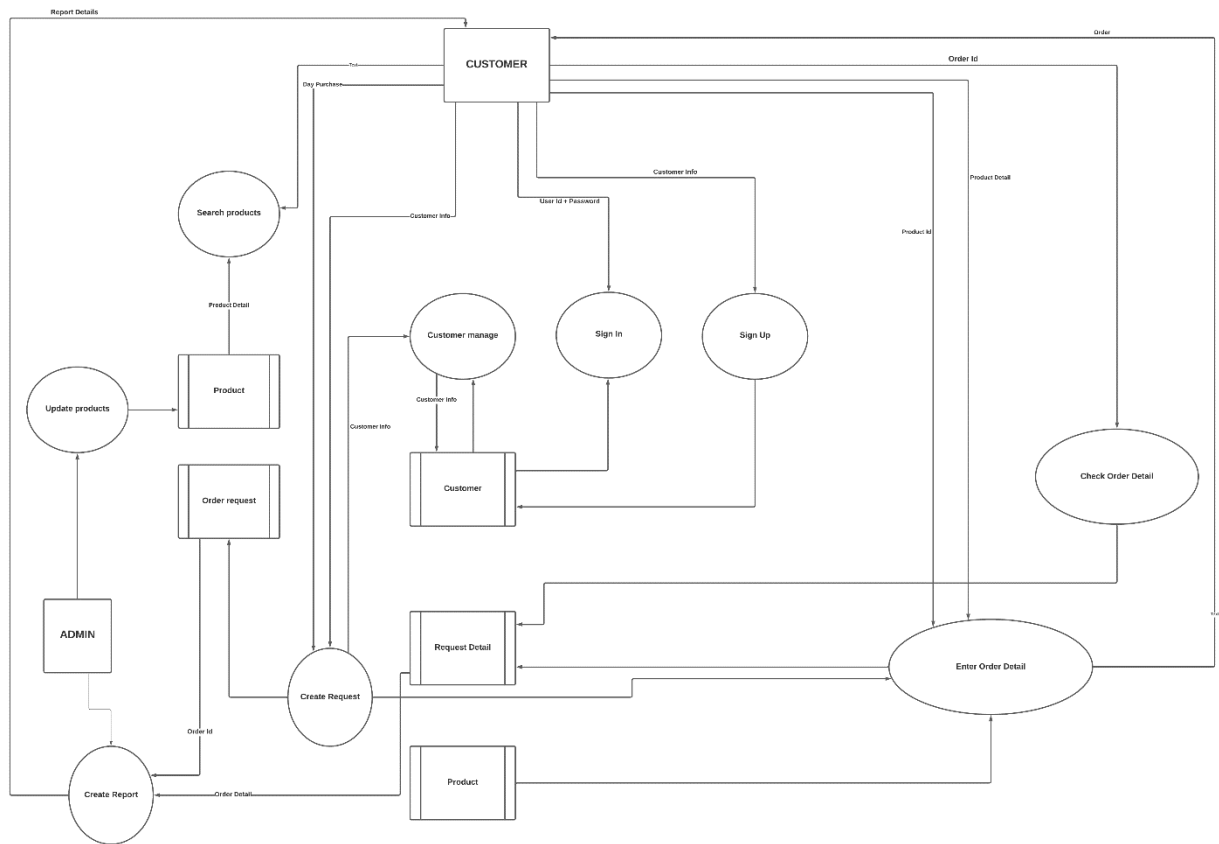
### 9.1 Level 0



## 9.2 Level 1



### 9.3 Level 2



## 10 DATABASE DESIGN

## 10.1 TABLE NAME: AdminLoginMst

Field Name	Data Type	Key	Description
UserName	Varchar(50)	Primary key	Administrator Name
Password	Varchar(50)	Not Null	Password Of Admin

## 10.2 TABLE NAME: BrandMst

Field Name	Data Type	Key	Description
Brand_ID	Varchar (10)	Primary key	ID Of Particular Brand
Brand_Type	Varchar(50)	Not Null	Type Of Brand (Asmi,D'damas,etc...)

### 10.3 TABLE NAME: CatMst

Field Name	Data Type	Key	Description
Cat_ID	Varchar (10)	Primary key	ID Of Category
Cat_Name	Varchar(50)	Not Null	Name Of Category

### 10.4 TABLE NAME: CertifyMst

Field Name	Data Type	Key	Description
Certify_ID	Varchar (10)	Primary key	ID Of Certification
Certify_Type	Varchar(50)	Not Null	Name Of Certification (918,920,etc...)

### 10.5 TABLE NAME: DimMst

Field Name	Data Type	Key	Description
Style_Code	Varchar(50)	Foreign Key	Code Of Style
DimQty_ID	Varchar (10)	Foreign Key	ID Of Diamond Quality
DimSubType_ID	Varchar (10)	Foreign Key	Sub Type ID Of Diamond
Dim_Crt	Numeric(10,2)	Not Null	Carat Of Diamond (18 Crt,22 Crt,etc...)
Dim_Pcs	Numeric(10,2)	Not Null	Total Pcs Of Diamond In Item
Dim_Gm	Numeric(10,2)	Not Null	Weight Of Each Diamond(Grams)
Dim_Size	Numeric(10,2)	Not Null	Size Of Each Diamond
Dim_Rate	Numeric(10,2)	Not Null	Rate Of Each Diamond
Dim_Amt	Numeric(10,2)	Not Null	Total Amount Of All Diamonds In Item

### 10.6 TABLE NAME: DimQtyMst

Field Name	Data Type	Key	Description
DimQty_ID	Varchar (10)	Primary Key	ID Of Diamond Quality
DimQty	Varchar(50)	Not Null	Quality Of Diamond (AD,FD,VVS,etc...)

### 10.7 TABLE NAME: GoldKrtMst

Field Name	Data Type	Key	Description
GoldType_ID	Varchar (10)	Primary Key	ID Of Gold Type
Gold_Crt	Varchar(50)	Not Null	Carat Of Gold (18 Crt,22 Crt,etc...)

### 10.8 TABLE NAME: ProdMst

Field Name	Data Type	Key	Description
Prod_ID	Varchar (10)	Primary Key	Product ID
Prod_Type	Varchar(50)	Not Null	Type Of Product

### 10.9 TABLE NAME: StoneMst

Field Name	Data Type	Key	Description
Style_Code	Varchar(50)	Foreign Key	Code Of Style
StoneQty_ID	Varchar(50)	Foreign Key	ID Of Stone Quality
Stone_Gm	Numeric(10,2)	Not Null	Weight Of Each Stone(Grams)
Stone_Pcs	Numeric(10,2)	Not Null	Total Pcs Of Stones In Item
Stone_Crt	Numeric(10,2)	Not Null	Carat Of Stone
Stone_Rate	Numeric(10,2)	Not Null	Rate Of Each Stone
Stone_Amt	Numeric(10,2)	Not Null	Total Amount Of Stones In Item

### 10.10 TABLE NAME: StoneQtyMst

Field Name	Data Type	Key	Description
StoneQty_ID	Varchar (10)	Primary Key	ID Of Stone Quality
StoneQty	Varchar(50)	Not Null	Quality Of Stone (Ruby,Meena,etc...)

### 10.11 TABLE NAME: UserRegMst

Field Name	Data Type	Key	Description
userID	Varchar (10)	Primary key	User ID
userFname	Text	Not Null	First Name Of User
user:Lname	Text	Not Null	Last Name Of User
address	varchar(Max)	Not Null	Address Of User
city	nvarchar(50)	Not Null	City Of User
state	nvarchar(50)	Not Null	State Of User
mobNo	Text	Not Null	Mobile Number
emailID	Text	Not Null	EmailID Of User
dob	nvarchar(50)	Not Null	Birth Date Of User
cdate	nvarchar(50)	Not Null	Current Date
password	Varchar(50)	Not Null	Password Of Users

**10.12 TABLE NAME: ItemMst**

Field Name	Data Type	Key	Description
Style_Code	Varchar(50)	Primary Key	Code Of Style
Pairs	Numeric(3,0)	Not Null	Pairs Of Product
Brand_ID	Varchar (10)	Foreign Key	ID Of Particular Brand
Quantity	Numeric(18,0)	Not Null	Available Quantity
Cat_ID	Varchar (10)	Foreign Key	ID Of Category
Prod_Quality	Varchar(50)	Not Null	Quality Of Product
Certify_ID	Varchar (10)	Foreign Key	ID Of Certification
Prod_ID	Varchar (10)	Foreign Key	Product ID
GoldType_ID	Varchar (10)	Foreign Key	ID Of Gold Type
Gold_Wt	Numeric(10,3)	Not Null	Weight Of Gold
Stone_Wt	Numeric(10,2)	Not Null	Weight Of Stone
Net_Gold	Numeric(10,3)	Not Null	Net Gold
Wstg_Per	Numeric(10,3)	Not Null	Wastage In Percentage
Wstg	Numeric(10,3)	Not Null	Wastage
Tot_Gross_Wt	Numeric(10,3)	Not Null	Total Gross Weight
Gold_Rate	Numeric(10,2)	Not Null	Rate Of Gold
Gold_Amt	Numeric(10,2)	Not Null	Amount Of Gold In Item
Gold_Making	Numeric(10,2)	Not Null	Gold Making Charges
Stone_Making	Numeric(10,2)	Not Null	Stone Making Charges
Other_Making	Numeric(10,2)	Not Null	Other Making Charges
Tot_Making	Numeric(10,2)	Not Null	Total Making Charges
MRP	Numeric(10,2)	Not Null	MRP Of Product (Including Stone Making,Gold Making And Other Making)

**10.13 TABLE NAME: DimQtySubMst**

Field Name	Data Type	Key	Description
DimSubType_ID	Varchar(10)	Primary Key	Sub Type ID Of Diamond
DimQty	Varchar(50)	Not Null	Quality Of Diamond

**10.14 TABLE NAME: DimInfoMst**

Field Name	Data Type	Key	Description
DimID	Varchar(10)	Primary Key	Diamond ID
DimType	Varchar(50)	Not Null	Type Of Diamond
DimSubType	Varchar(50)	Not Null	Sub Type Of Diamond
DimCrt	Varchar(50)	Not Null	Carat Of Diamond
DimPrice	nchar(50)	Not Null	Price Of Diamond
DimImg	Varchar(50)	Not Null	Image Of Diamond

**10.15      TABLE NAME: Inquiry**

<b>Field Name</b>	<b>Data Type</b>	<b>Key</b>	<b>Description</b>
ID	Varchar(10)	Primary Key	ID Of user.
Name	Varchar(50)	Not Null	Name Of User.
City	Varchar(50)	Not Null	City Of User.
Contact	Nchar(10)	Not Null	Contact Number
EmailID	Varchar(50)	Not Null	Email ID
Comment	Varchar	Not Null	Comments Of user
Cdate	Date	Not Null	Current Date

**10.16      TABLE NAME: JewelTypeMst**

<b>Field Name</b>	<b>Data Type</b>	<b>Key</b>	<b>Description</b>
ID	Varchar(10)	Primary Key	ID Of Jewellery
Jewellery_Type	Varchar(50)	Not Null	Type Of Jewellery

**10.17      TABLE NAME: CartList**

<b>Field Name</b>	<b>Data Type</b>	<b>Key</b>	<b>Description</b>
ID	Varchar (10)	Primary Key	ID Of Category
Product_Name	Varchar(50)	Not Null	Name Of Product
MRP	Numeric(10,2)	Not Null	MRP of product



## 11 TASKSHEET REVIEW 2

No.	Contents	Member	Activity Plan	Preparation	
			Start Date	Actual Days	Status
1	Use Case and Sequence Diagram	Le Minh, Bui Quoc Tuan, Phan Minh Cuong, Phan Van Phuong	1/02/2021	6	Completed
2	Process Diagram				
3	DFD				
4	Database Design				

	Prepare By: Group 1	Approved By: Faculty
<b>Date: Feb 9, 2021</b>	Team Leader	
	Le Minh	Mr. Ngo Phuoc Nguyen