FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

THEGIOICAYKIENG.NET

Supervisor: LE THANH NHAN

Semester: II

Batch No: T1.2010.E0

Group No: 06

Order:	**Full name**	**Roll No.**
1.	Hoang Huu Nghia	Student1268270
2.	Tran Minh Phu	Student1161696
3.	Nguyen Cong Hung	Student987459

Month: 08 ***Year:*** 2021

This is to certify that

Mr. **HOANG HUU NGHIA**

Mr. **TRAN MINH PHU**

Ms. **NGUYEN CONG HUNG**

Have successfully Designed & Developed

THEGIOICAYKIENG.NET

Submitted by:

Mr. LE THANH NHAN

Date of Issue:

Authorized Signature:

Content

Content 3

Acknowledge 4

Synposis 5

REVIEW 1 6

REVIEW 2 14

REVIEW 3 32

Testing document 51

Final checklist 52

Task sheet 54

Acknowledge

Project is a temporary endeavor (it has a start and end date), undertaken to be created a product, service or result by students. Through the project, students can apply their knowledge and get closer to each other. It is also a step forward for students to have access to the real way of working from businesses in a team work environment.

We express my sincere thanks to our professor, Mr Le Thanh Nhan for the addorable supports during the time in project. Gratitude goes to others students in our class who directly or indirectly helped us to complete this project.

May be have several mistakes we had made in the project, that will be opportunities for us to improve and learn more. So we are glad to listen to your reviews and opinions for our project.

At last we also thank you so much for you, India APTECH and FPT APTECH to help us to get more relity experience in this project. Since we have gained more experience from this project, we will not stop learning any things as much as we can to be more successful in the future.

Your Sincerely,

Team Group 06.

Synposis

The objective of this program we aim is to give a sample project to work on real life projects. These applications help us build a larger more robust application.

The objective is not to teach us front-end or back-end technology but to provide us with a real life scenario and help us create basic applications using the tools.

Hence, we can revise the chapters before we start with the project.

This project is meant for students like us who have completed the module of Semester II, as well as special subjects those are Java and PHP. These programs should be done in the Lab sessions with assistance of the faculty if required.

The website (in this project) is a wolrd that brings everything about the potteries and crockeries into your experience.

It is very essential for us that will have a clear understanding of the subject. We think we should go through the project and solve the assignments as per requirements given.

REVIEW 1

Problem Definition

TheGioiCayKieng.net company provides ornamental products of various types for different spaces and landscapes such as apartment balconies, gardens, restaurants, hotels, schools, etc. Along with the provision of cottage packages. Scenery for tourist areas, resorts or new urban areas, buildings, offices, villas, townhouses...

With the desire to develop, the company understands that the demand for products not only comes from the local market but also the international market. A whole new website with fully functional will let our customers to access the products remotely, allowing us to reach out and expand our customer base. Not only does a website eliminate the need for opening multiple shops in different locations, it can also save money on leaflets and physical advertisements like bill boards and posters.

Based on the needs, we design an application that will provide the key features and functionalities as the followings:

- ✓ Provide function for memeber register.
- ✓ Provide information of the product to customers and members.
- ✓ Provide shopping cart function so customers and members can order products.
- ✓ The member can take their privacy through Member Control Panel (MCP).
- ✓ The member can see their order history.
- ✓ Receive comments from customers and members to improve service quality as well as product quality.

An Admin Control Panel (ACP) that support about management system:

- ✓ Administrators have ability to add, update product information quickly and accurately.

- ✓ Administrators have ability to manage members and their feedback, comment or rating.
- ✓ Administrators have ability to manage delivery progress belong to orders.
- ✓ Administrators have ability to see the report statistics.

The role of user and admin:

1. User:
   - ✓ Can register a member and manage personal account.
   - ✓ Can view, compare and buy products.
   - ✓ Can search products by name or by price.
   - ✓ Can like for products.
   - ✓ Can view their orders and order history.
2. Administrator
   - ✓ Can add/ edit/ deactivate products and categories.
   - ✓ Can view customer's information or deactive an account.
   - ✓ Can view revenue by day, month, year
   - ✓ Can view all orders and approve orders.
   - ✓ Can view report statistics.

Customer Requirements Specifications

A. User:

A.1 User Can Register

a. Description

Customers must be able to register a new account (membership). Once they have their account, they can login and access more features. A guest, who is not logged in, can only view and search products.

b. Functional Requirement

User must provide the information below to create an account:

- Email (must be unique)
- Password
- First Name and Last Name
- Email (must be unique)
- Date Of Birth
- Telephone number
- Address

A.2 User Can Login

a. Description

After registering an account, user can login. Once they have logged in, they can modify their personal information, including their password. They can also access more features: product review, rating, buy product.

b. Functional Requirement

User must already have an existing account and must be an active account. User must provide Email and Password to login.

A.3 User Can Search

a. Description

User can find products they want by searching or filtering.

b. Functional Requirement

User don't need to be logged in to use this function. User needs to provide the keyword related to product's name to searching or choose filtering by price or by category.

A.4 User Can Order Product

a. Description

Users click "Add to cart" button at the product they want to order. That product will add to cart in page cart. When they want order for their selected product, go to page cart. In that page, all selected product and those total money will be shown, users click "Order" button to send request to adminstrator.

b. Functional Requirement

User must login

A.5 User Can View and Check Orders (order history)

a. Description

User can view their orders and those status:

- ✓ Order show "Done"- order that customer received product and payed for order.
- ✓ Order show "Processing" – order that customer ordered in the previous (A.4) function but administrator has not checked "Accept" to that order.

- ✓ Order show "Cancel" – order that when administrator contact to customer to check again and they can't get in touch to customer or customer said they want to cancel order.
- ✓ Order show "Shipping" – order that products are shipping to customer

b. Functional Requirement

User must login

A.6 User Can View Liked Product

a. Description

User can view products that they liked in page "liked-product":

b. Functional Requirement

User must login

B. Admin:

B.1 Admin can Manage Products

a. Description

Admin can insert new product, modify and deactive product

b. Functional Requirement

To add or modify a product, admin must provide:

- Product 's Name
- Product 's Detail Information
- Image
- Status of product
- Arrival Date
- Price
- Category

B.2 Admin can Manage Accounts

a. Description

Admin can insert account, modify of admin account and customer account

b. Functional Requirement

To add or modify an admin account, admin must provide:

- Email
- Password
- Role
- Full name
- Telephone

B.3 Admin can Manage Orders

a. Description

Admin can insert new order, modify and change status of order

b. Functional Requirement

To add or modify a product, admin must provide:

- Products of Order
- Description
- Address shipping
- Status of Order
- Released Date

B.4 Admin can View Revenue

Description

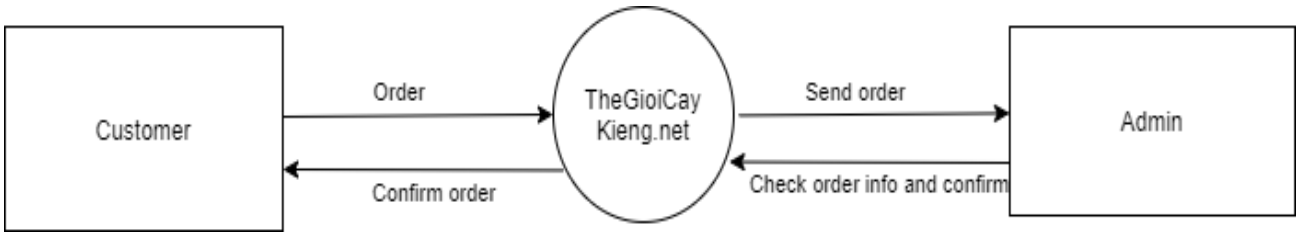
Admin can view revenue by day, month, year

Hardware / software requirement

Sr.	Item	Description
1.	Operating system	Windows 7 or higher
2.	Hardware	CPU Cores or better with 2GB of RAM or better
3.	Web Browser	Version in later of: Chrome
4.	Fonts	Standard font Unicode: Arial, Times New Roman, etc..
5.	Other requirement	NodeJS, Git, XAMPP 7.3 or later | A working internet connection

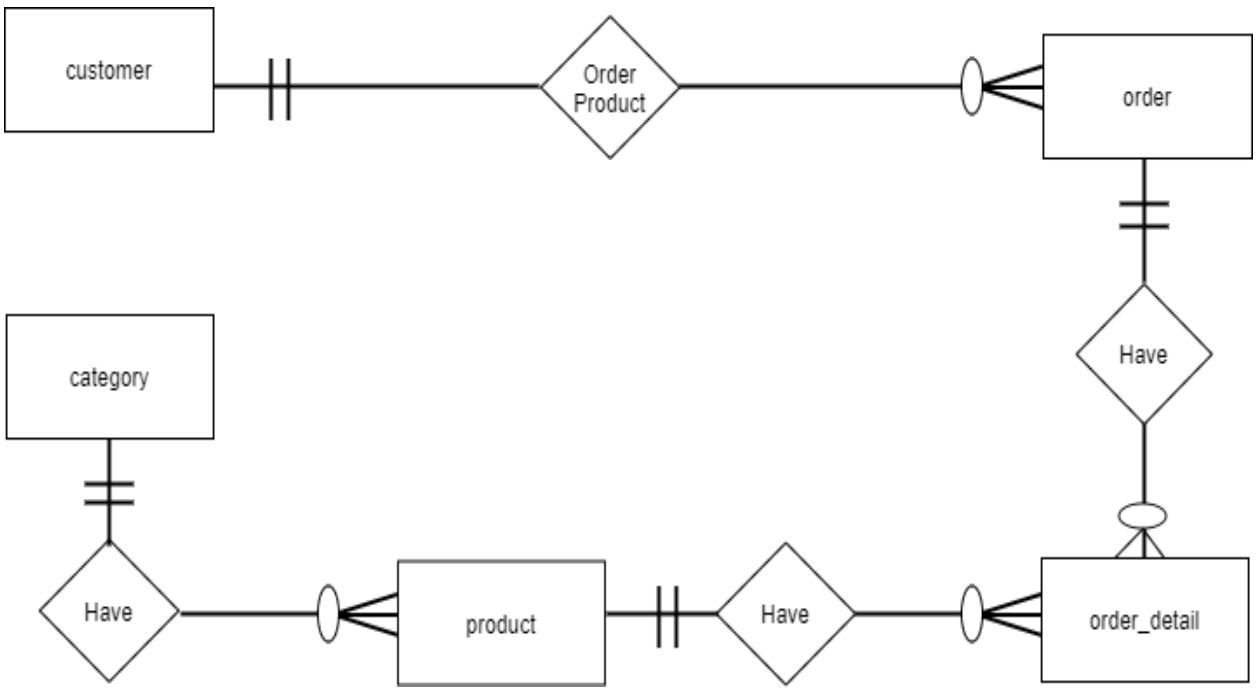
REVIEW 2

Data Flow Diagram

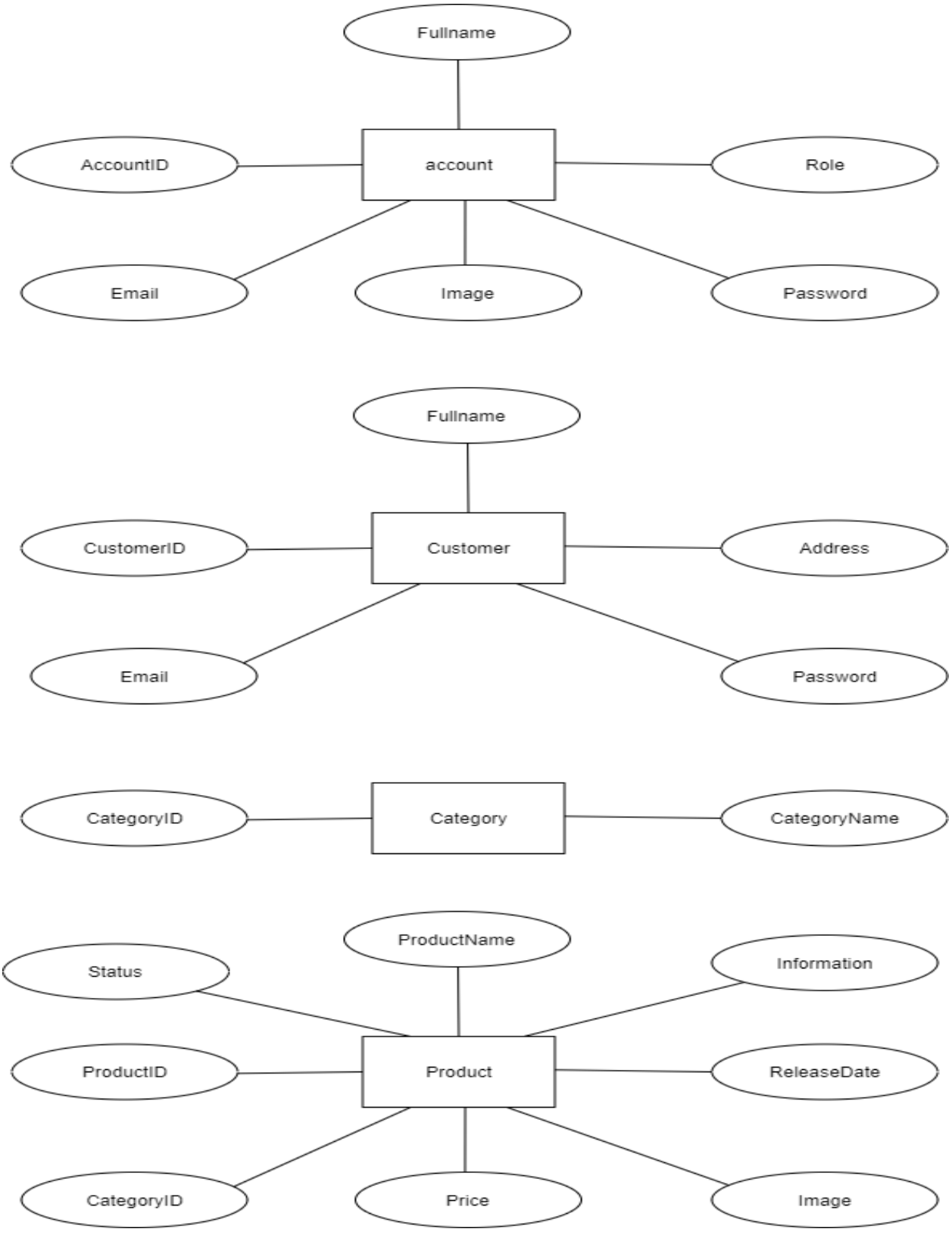


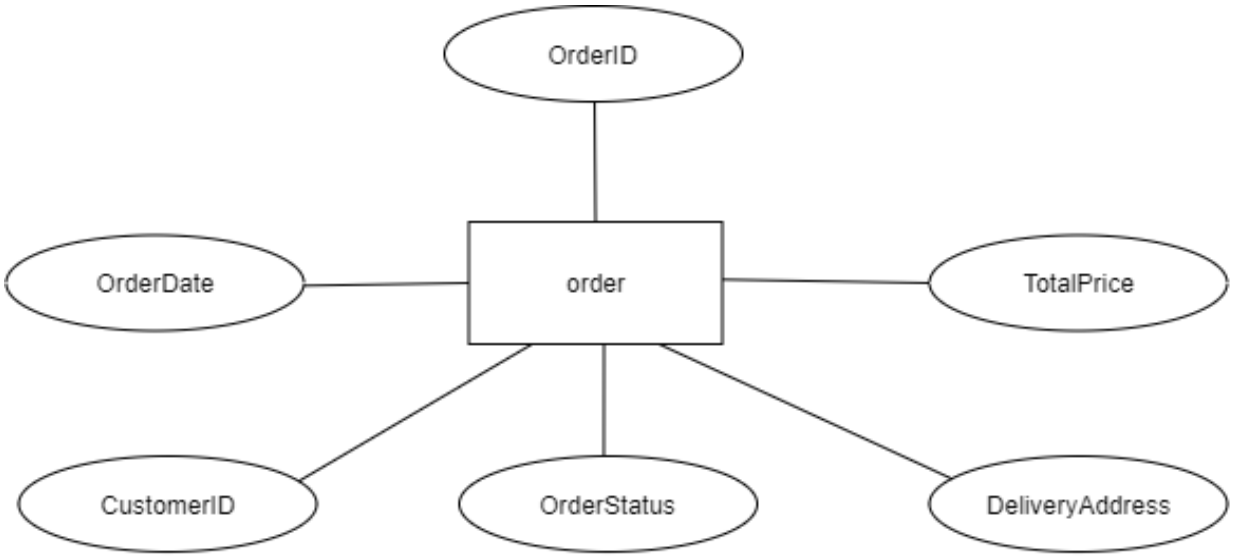
Entity Relationship Diagram

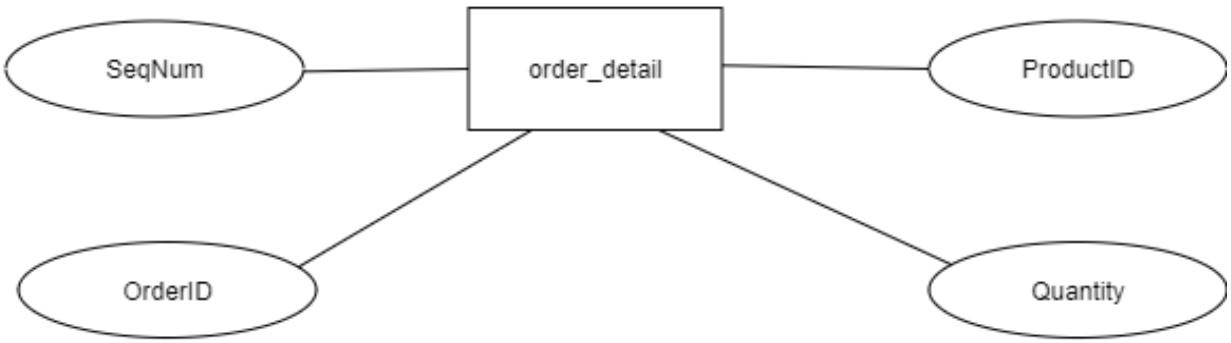
A. ERD

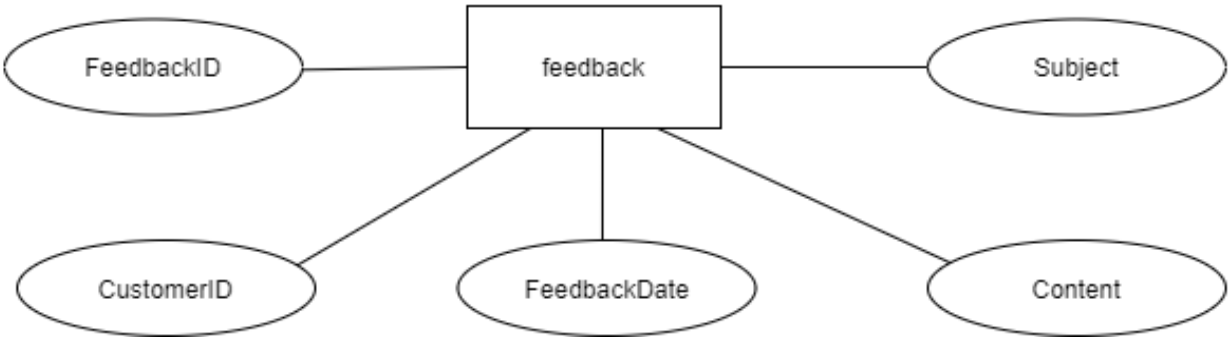


B. ERD Properties

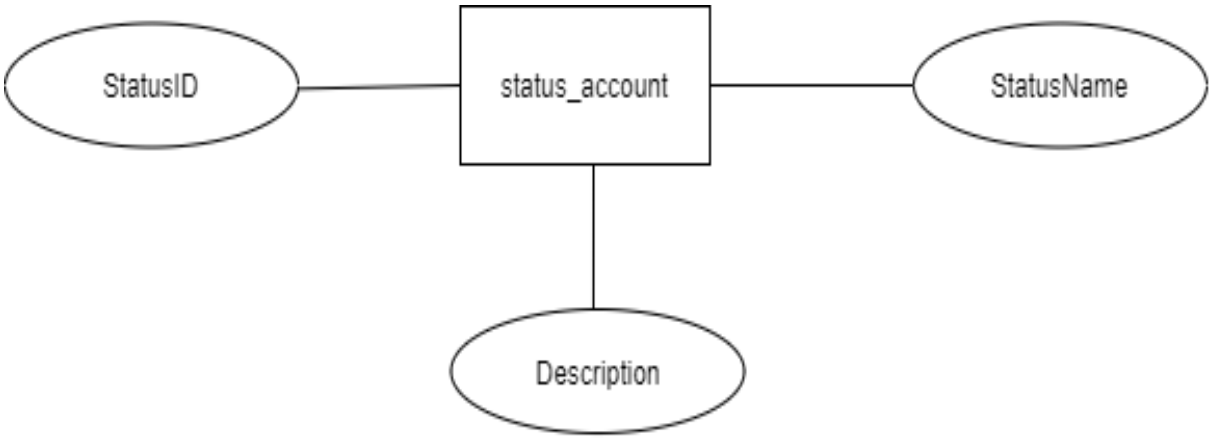

Fullname
AccountID
account
Role
Email
Image
Password
Fullname
CustomerID
Customer
Address
Email
Password
CategoryID
Category
CategoryName
ProductName
Status
Information
ProductID
Product
ReleaseDate
CategoryID
Price
Image

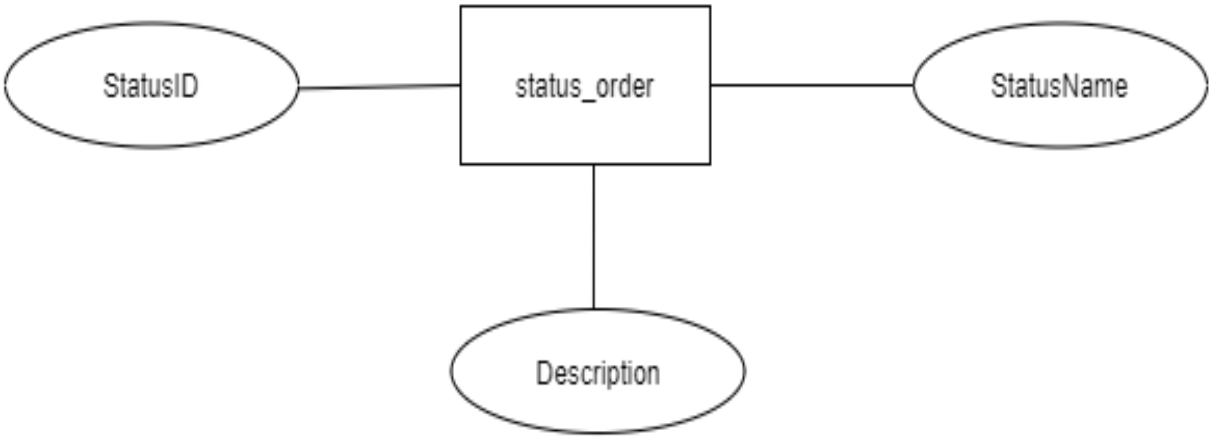






	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: *06*	*LE THANH NHAN*
Signature		
Date		


StatusID
status_account
StatusName
Description


StatusID
status_order
StatusName
Description

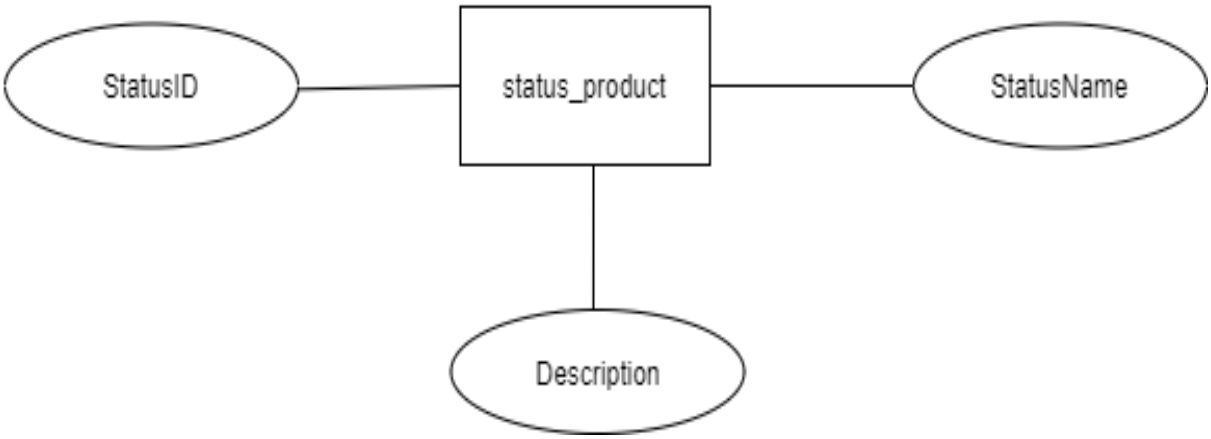

StatusID
status_product
StatusName
Description

Table Design

A. Table Design

account					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	AccountID	int	Primarykey	Not null, indentity	Account identification
2	Email	varchar(50)		Not null	Email
3	Password	varchar(50)		Not null	Password
4	Role	int		Not null	Owner's role
5	Fullname	varchar(100)		Not null	Owner 's Name
6	Image	varchar(200)		Not null	Image path

customer					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	CustomerID	int	Primarykey	Not null, indentity	Customer identification
2	Email	varchar(50)		Not null	Email
3	Password	varchar(50)		Not null	Password
4	Fullname	varchar(100)		Not null	Customer ‘s name
5	Address	varchar(200)		Not null	Customer ‘s address

category					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	CategoryID	int	Primarykey	Not null, indentity	Category identification
2	CategoryName	varchar(50)		Not null	Category Name

product					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	ProductID	int	Primarykey	Not null, indentity	Product identification
2	ProductName	varchar(50)		Not null	Name of Product
3	CategoryID	int	Foreignkey	Not null	Category identification
4	ReleaseDate	Date		Not null	Release Date of Product
5	Price	int		Not null	Price of

					Product
6	Status	int	Foreignkey	Not null	Status of Product
7	Image	varchar(200)		Not null	Image of Product
8	Information	varchar(300)		Not null	Information of Product

order					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	OrderID	int	Primarykey	Not null, indentity	Order identification
2	OrderDate	Date		Not null	Date of Order
3	CustomerID	int	Foreignkey	Not null	Customer identification
4	DeliveryAddress	varchar(200)		Not null	Address shipping
5	OrderStatus	Int	Foreignkey	Not null	Status of

					Order
6	TotalPrice	int		Not null	Total price of Order

order_detail					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	SeqNum	int	Primarykey	Not null, indentity	Sequence number
2	OrderID	int	Foreignkey	Not null	Order identification
3	ProductID	int	Foreignkey	Not null	Product identification
4	Quantity	int		Not null	Quantity of Product in Order

feedback					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**

1	FeedbackID	int	Primarykey	Not null, indentity	Feedback identification
2	CustomerID	int	Foreignkey	Not null	Customer identification
3	FeedbackDate	Date		Not null	Date of Feedback
4	Subject	varchar(100)		Not null	Subject of Feedback
5	Content	varchar(300)		Not null	Content of Feedback

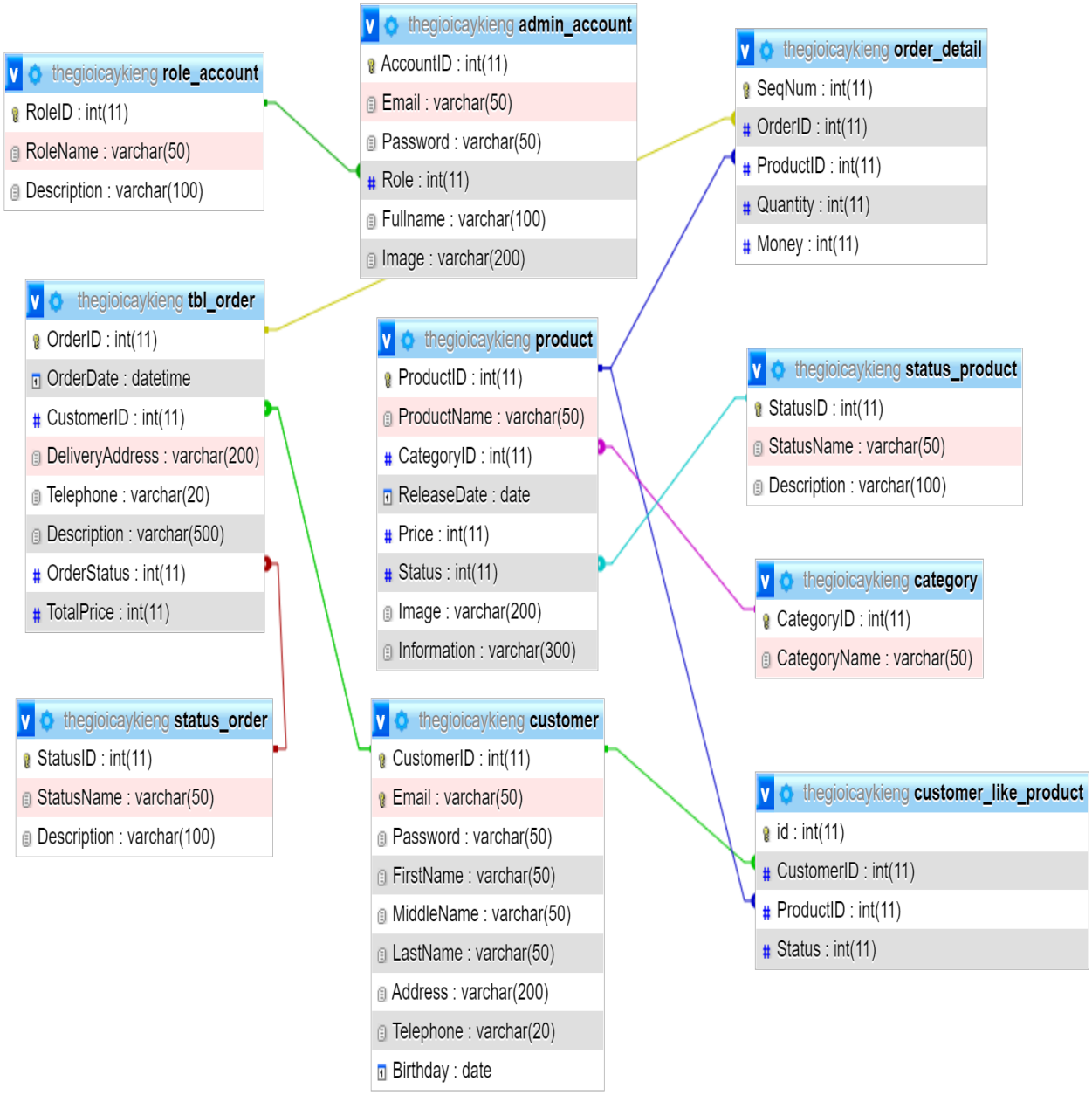
role_account					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	RoleID	int	Primarykey	Not null, indentity	Status identification
2	RoleName	varchar(50)		Not null	Status Name
3	Description	varchar(100)		Not null	Description of Status

status_order					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	StatusID	int	Primarykey	Not null, indentity	Status identification
2	StatusName	varchar(50)		Not null	Status Name
3	Description	varchar(100)		Not null	Description of Status

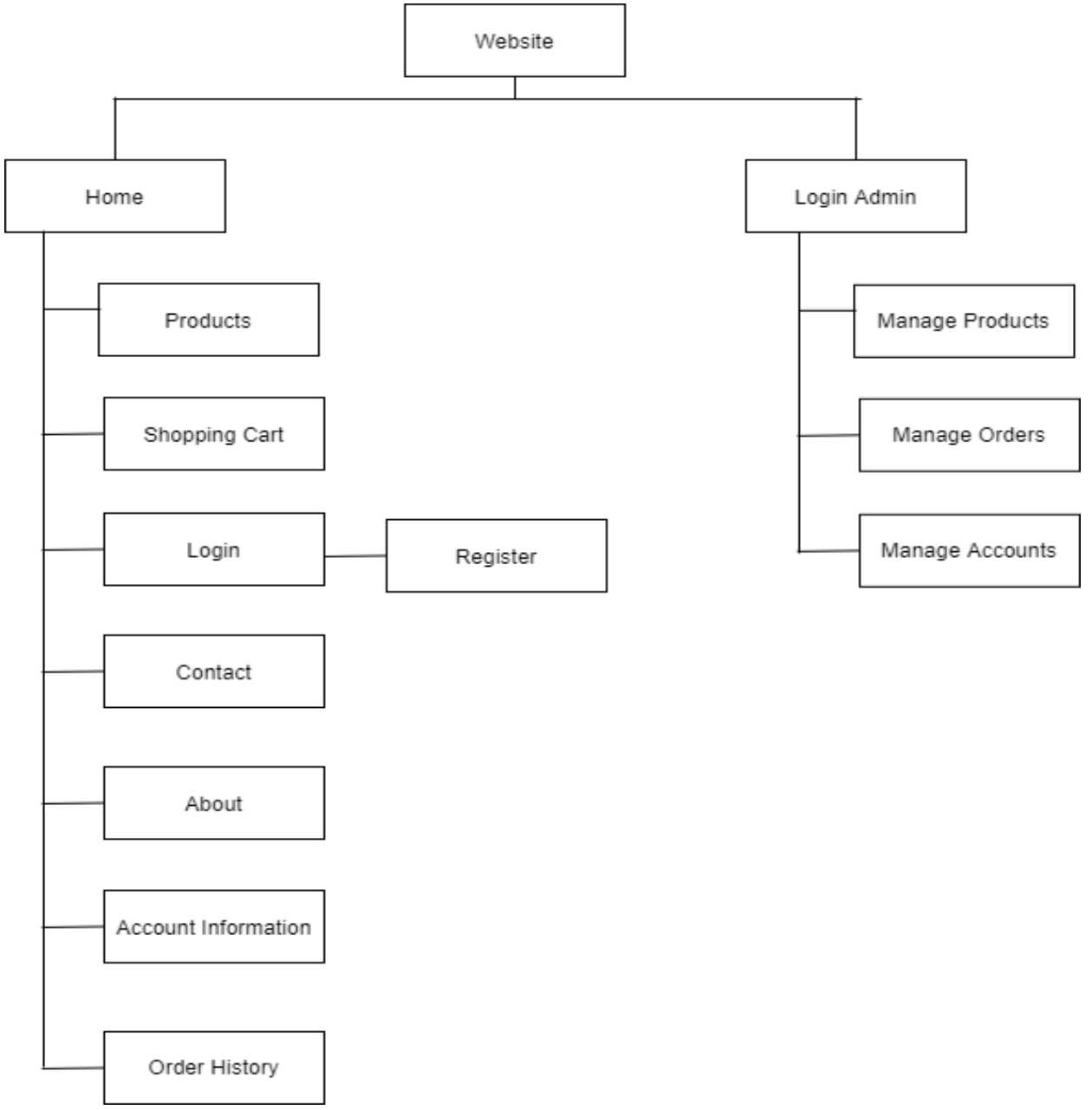
status_product					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	StatusID	int	Primarykey	Not null, indentity	Status identification
2	StatusName	varchar(50)		Not null	Status Name
3	Description	varchar(100)		Not null	Description of Status

customer_like_product					
Serial	**Fields**	**Data type**	**Keys**	**Constrains**	**Description**
1	Id	int	Primarykey	Not null, indentity	Status identification
2	CustomerID	varchar(50)	Foreignkey	Not null	Customer identification
3	ProductID	varchar(100)	Foreignkey	Not null	Product identification
4	Status	int		Not null	Status of record

B. Relationship Diagram

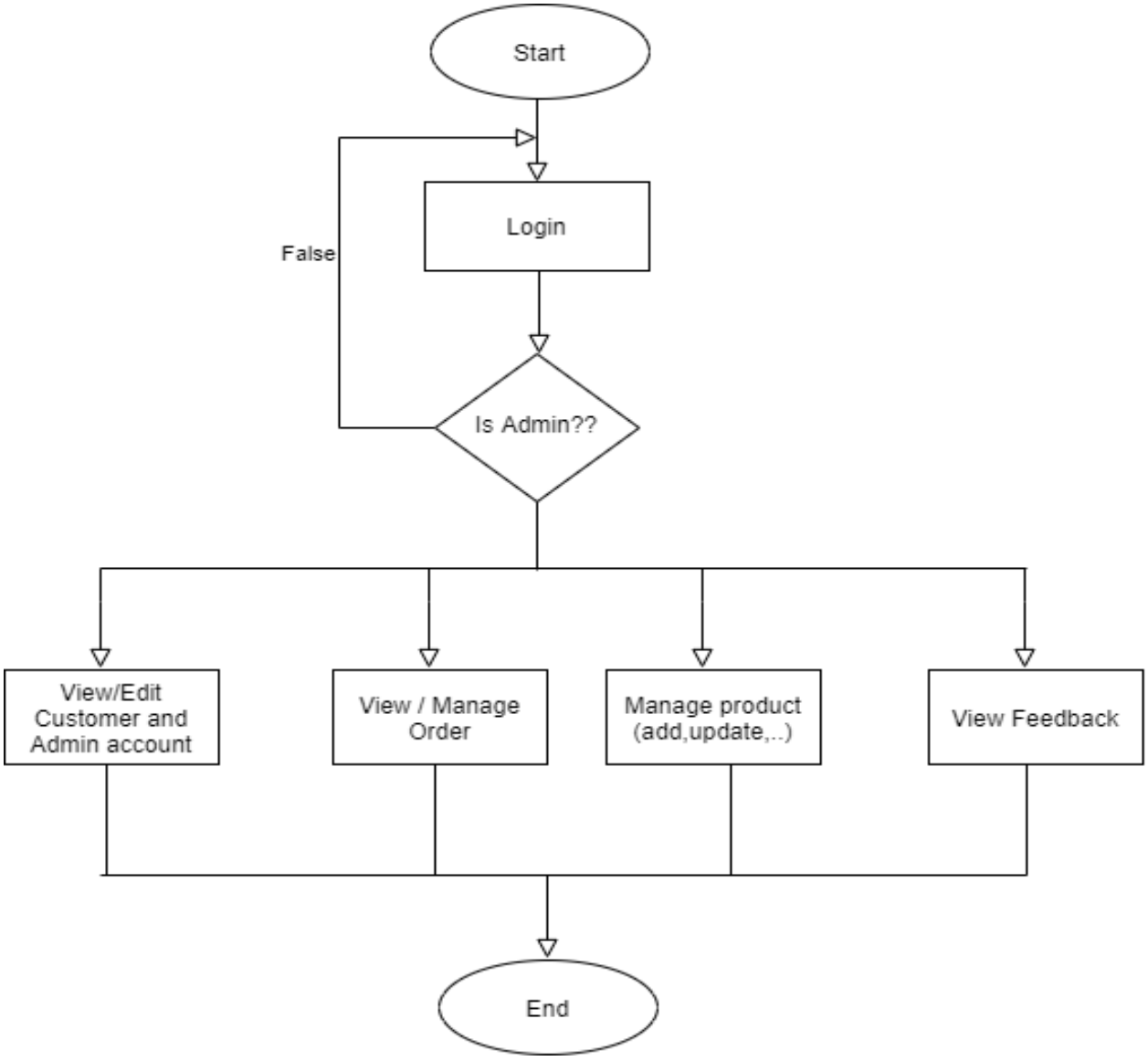


SiteMap

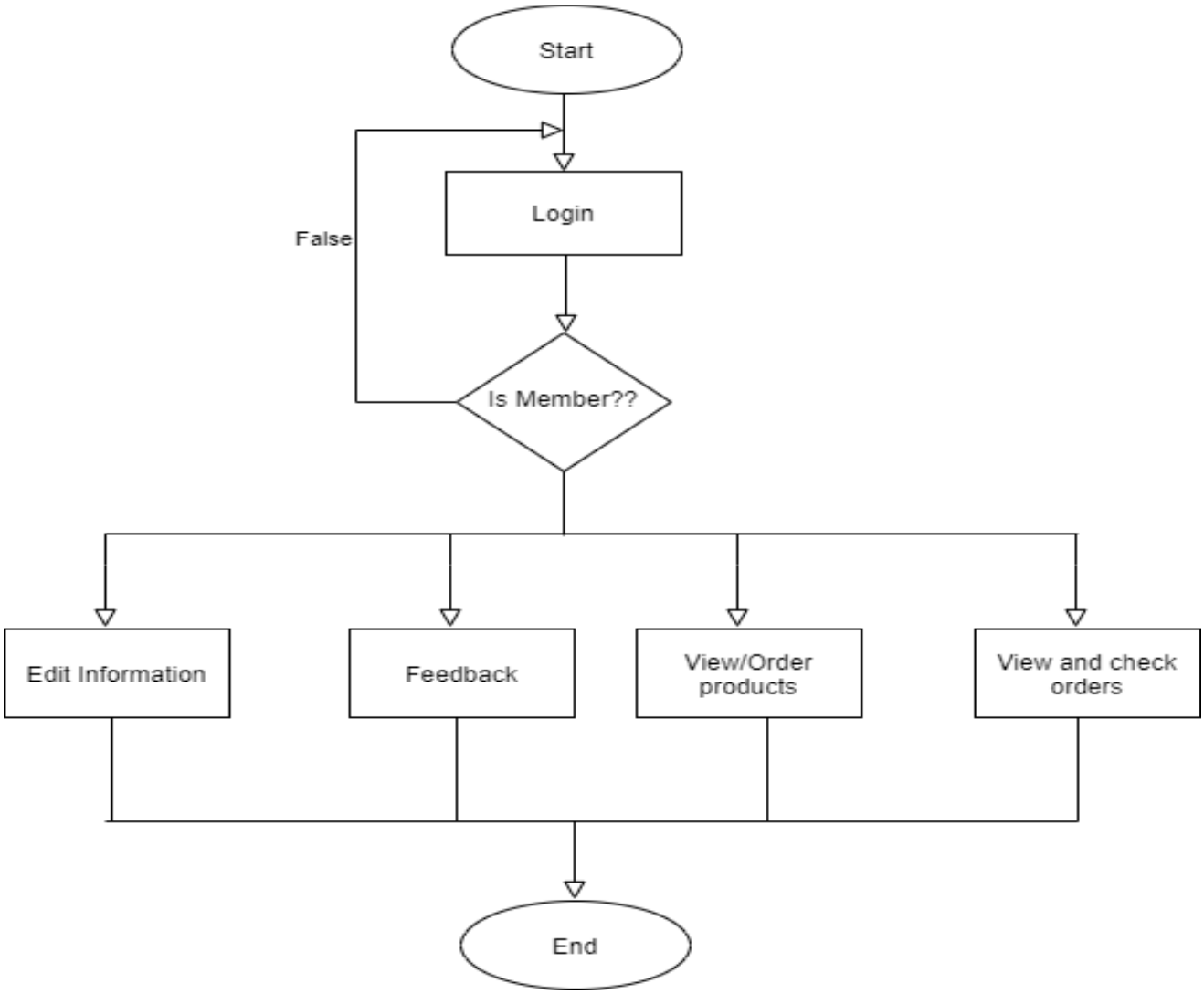

Website
Home
Login Admin
Products
Shopping Cart
Login
Register
Contact
About
Account Information
Order History
Manage Products
Manage Orders
Manage Accounts

Algorithm

A. Admin



B. User


Start
Login
False
Is Member??
Edit Information
Feedback
View/Order products
View and check orders
End

REVIEW 3

Screen shots

I. Homepage

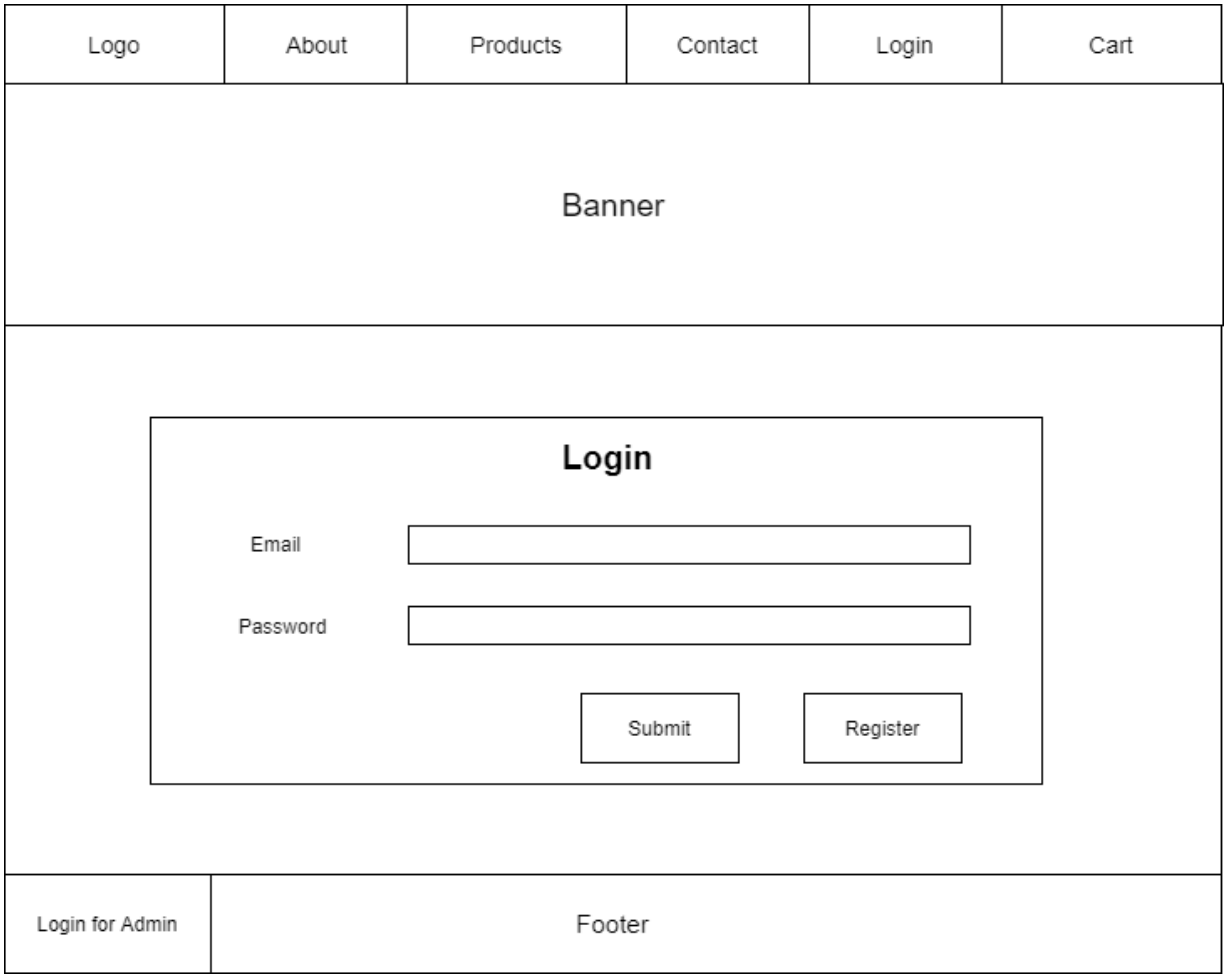
<table>
<tr><td>Logo</td><td>About</td><td>Products</td><td>Contact</td><td>Login</td><td>Cart</td></tr>
<tr><td colspan="3"></td><td>Orders</td><td>Account</td><td>Logout</td></tr>
<tr><td colspan="6">Banner</td></tr>
<tr><td colspan="6">Album photo</td></tr>
<tr><td colspan="6">Review from customer to company</td></tr>
<tr><td colspan="6">New products arrival</td></tr>
<tr><td>Login for Admin</td><td colspan="5">Footer</td></tr>
</table>

Description: This page is homepage

From: Url

To: About, products, contact,login, cart, order history, customer account

II. Login

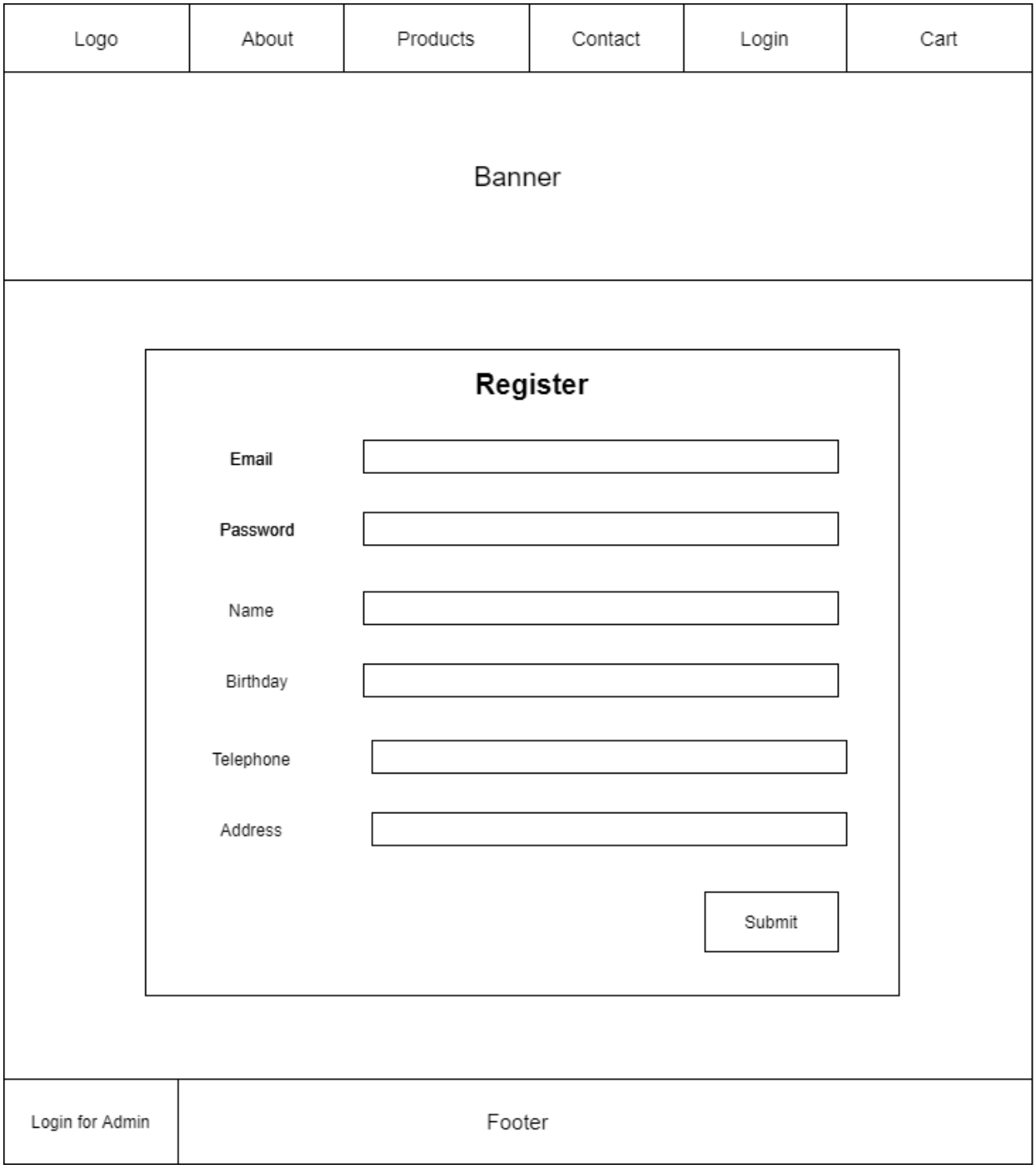


Description: Screen for About us

From: Homepage

To: Home, products, contact, login, cart, order history, customer account

III. Register



Description: Screen for Register member

From: Login page

To: Home, about, products, contact, login, cart

IV. Product

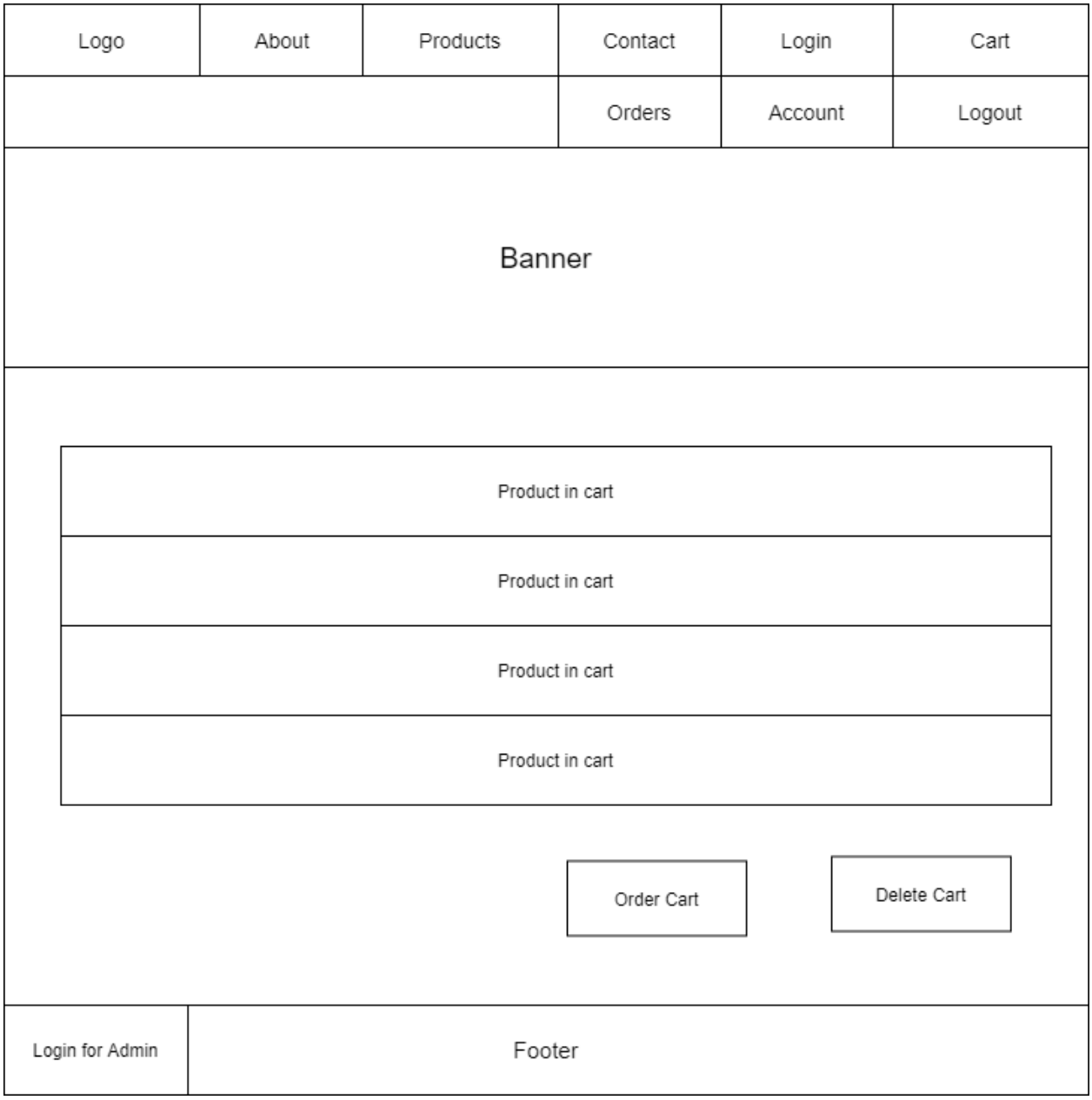
<table>
<tr><td>Logo</td><td>About</td><td>Products</td><td>Contact</td><td>Login</td><td>Cart</td></tr>
<tr><td colspan="3"></td><td>Orders</td><td>Account</td><td>Logout</td></tr>
<tr><td colspan="6">Banner</td></tr>
<tr><td colspan="6">Search product by name</td></tr>
<tr><td rowspan="2">Categories</td><td>Product</td><td>Product</td><td>Product</td><td>Product</td></tr>
<tr><td>Product</td><td>Product</td><td>Product</td><td>Product</td></tr>
<tr><td>Login for Admin</td><td colspan="5">Footer</td></tr>
</table>

Description: Screen for products

From: Homepage

To: Home, contact, login, cart, order history, customer account

V. Cart

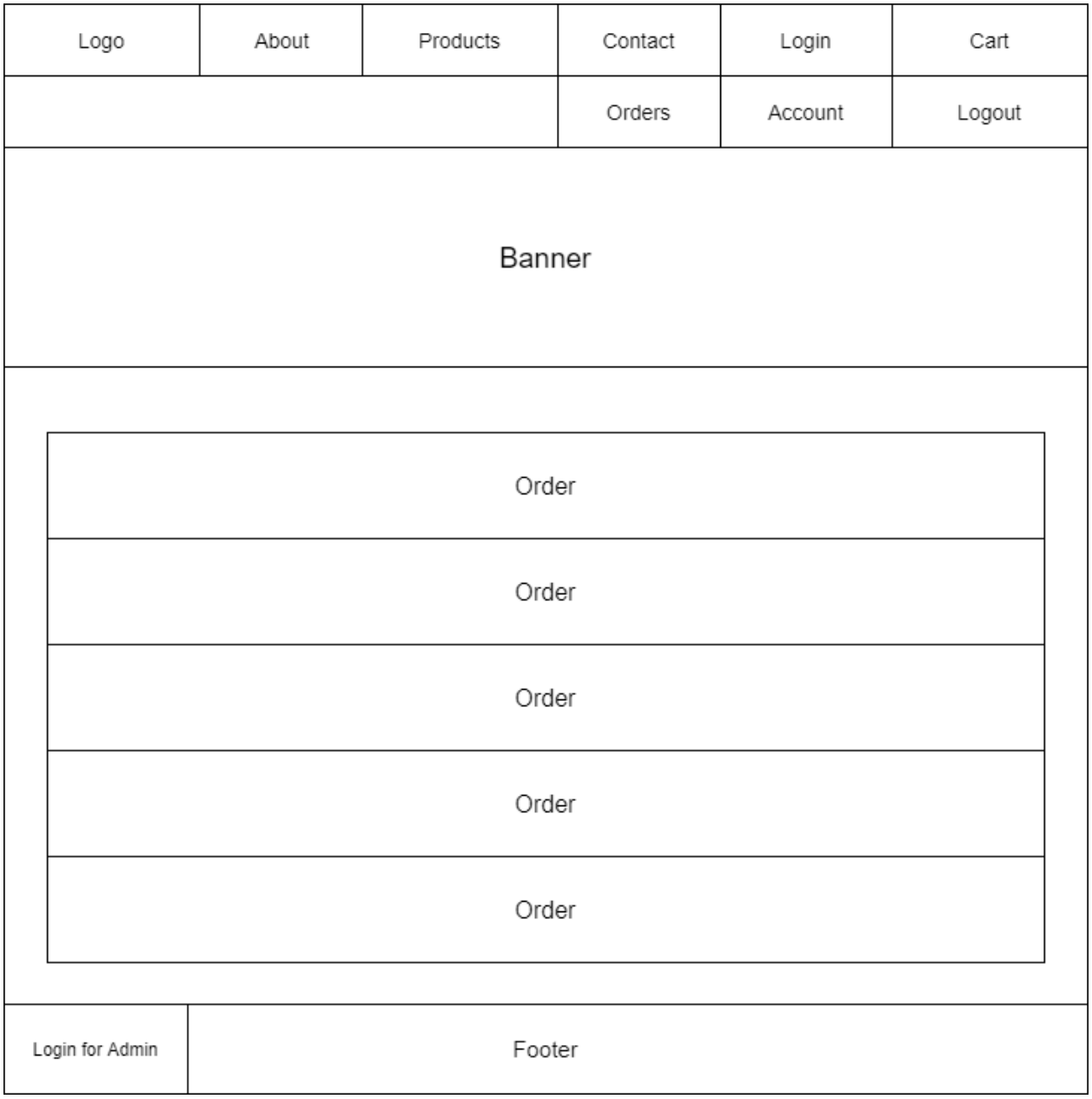

Logo
About
Products
Contact
Login
Cart
Orders
Account
Logout
Banner
Product in cart
Product in cart
Product in cart
Product in cart
Order Cart
Delete Cart
Login for Admin
Footer

Description: Screen for cart

From: Homepage, product page

To: Home, about, products, contact, login, cart, order history, customer account

VI. Order History



Description: Screen for order history of member

From: Homepage

To: Home, products, contact, login, cart, order history, customer account

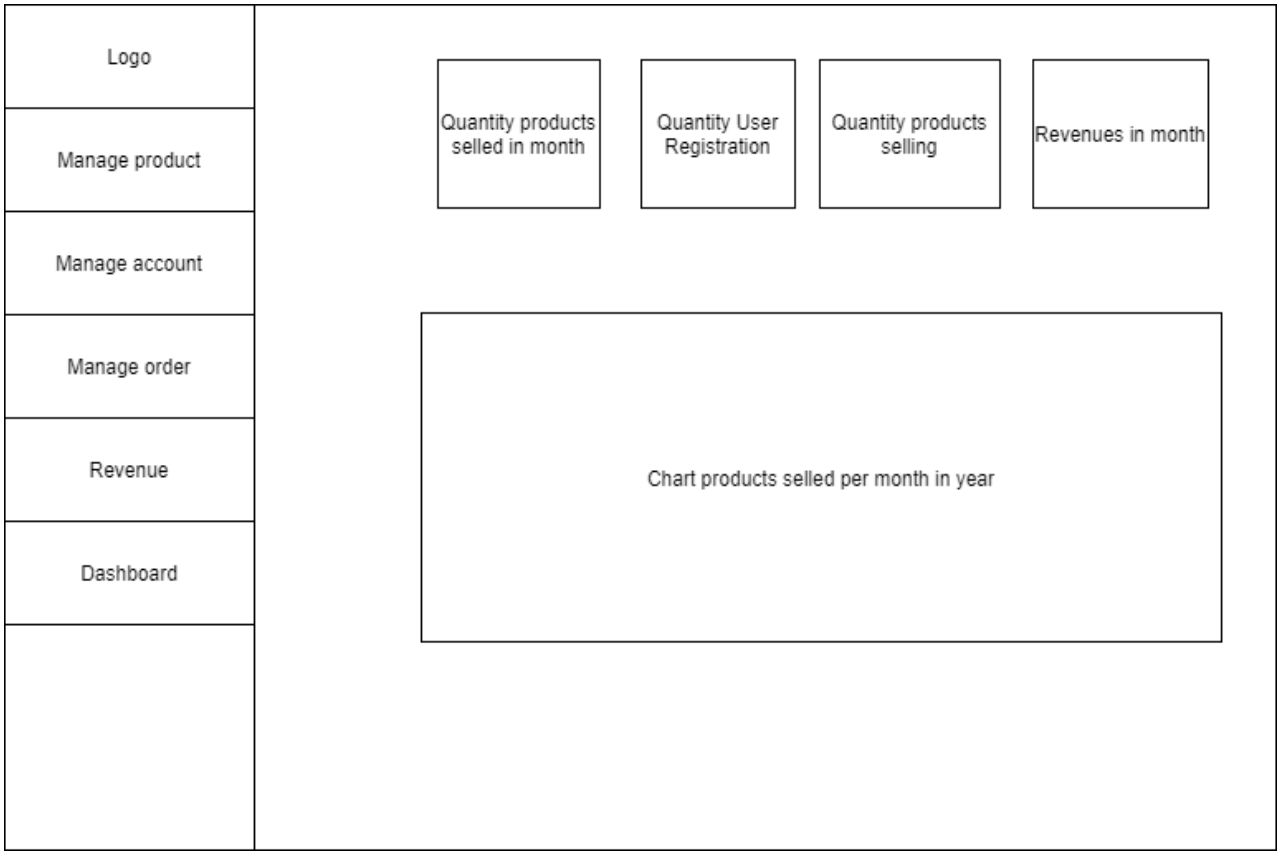
VII. Your account

Description: Screen for Information of member

From: Homepage

To: Home, products, contact, login, cart, order history, customer account

VIII. Admin home (dashboard)

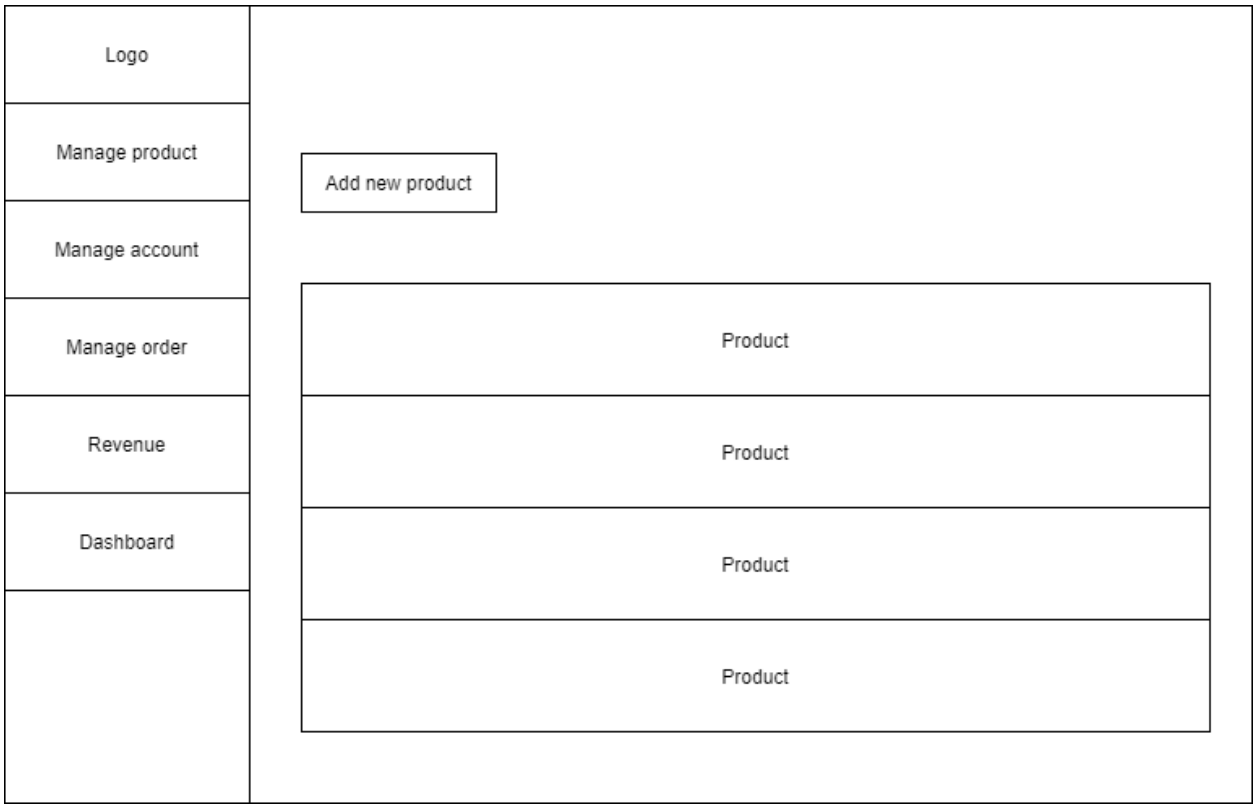


Description: Screen for Admin home page. This page is dashboard it shows report about products selling, chart of products selled per months in year…

From: Admin login page

To: Manage product, manage account, manage order, revenue

IX. Admin manage product

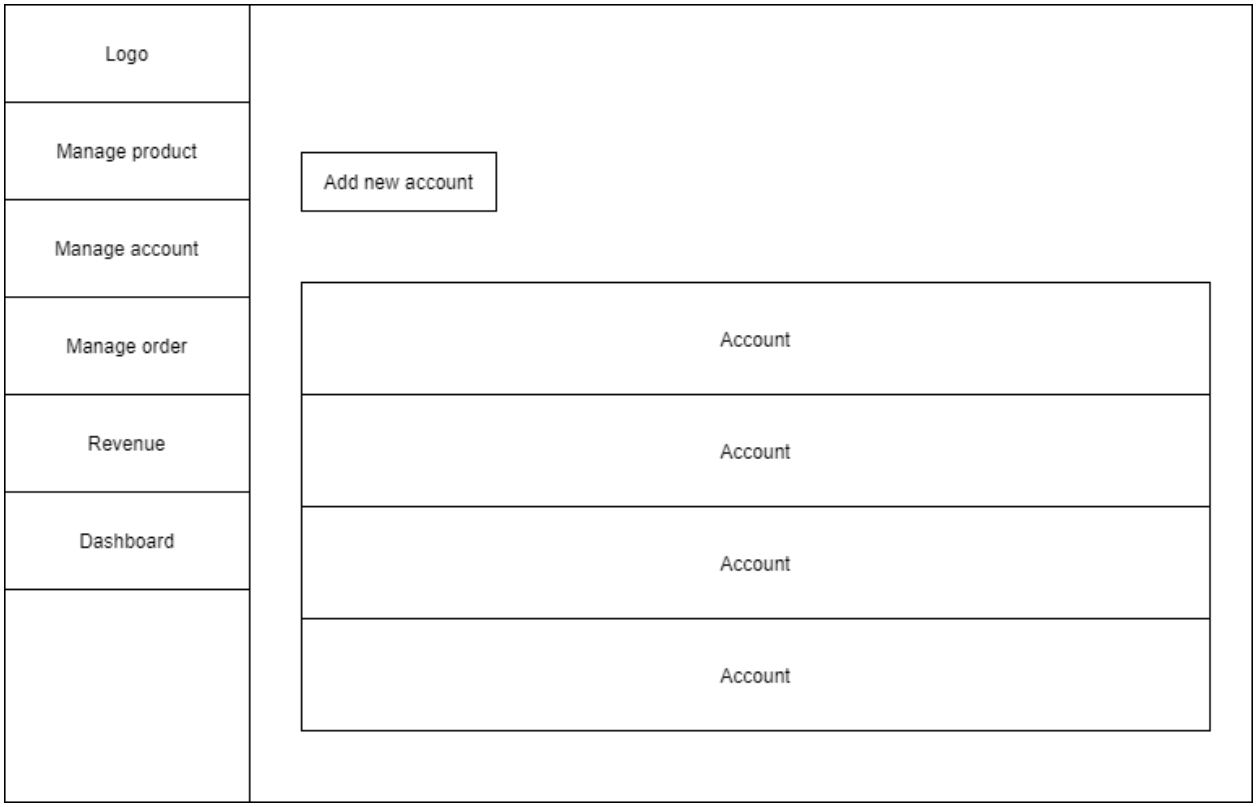


Description: Screen for manage product.

From: Admin home page

To: Manage account, manage order, revenue, dashboard

X. Admin manage account

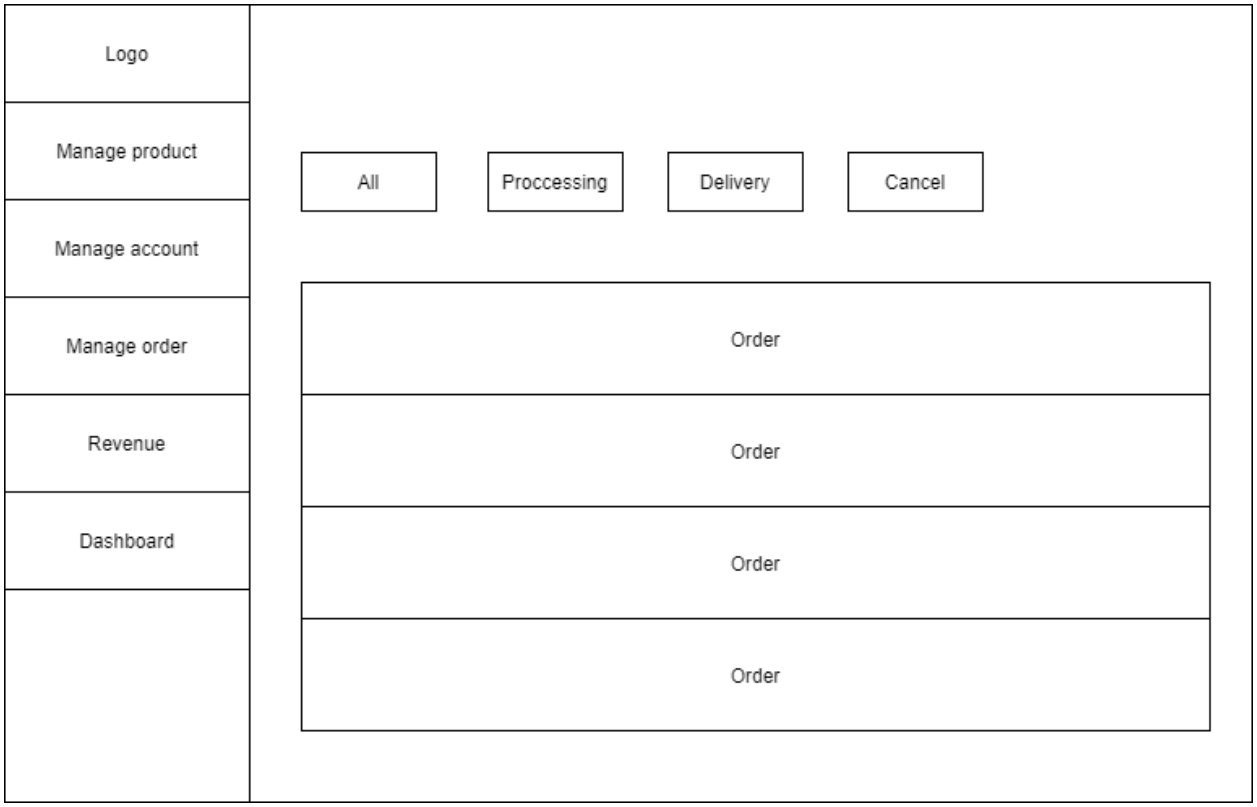


Description: Screen for manage account.

From: Admin home page

To: Manage product, manage order, revenue, dashboard

XI. Admin manage order

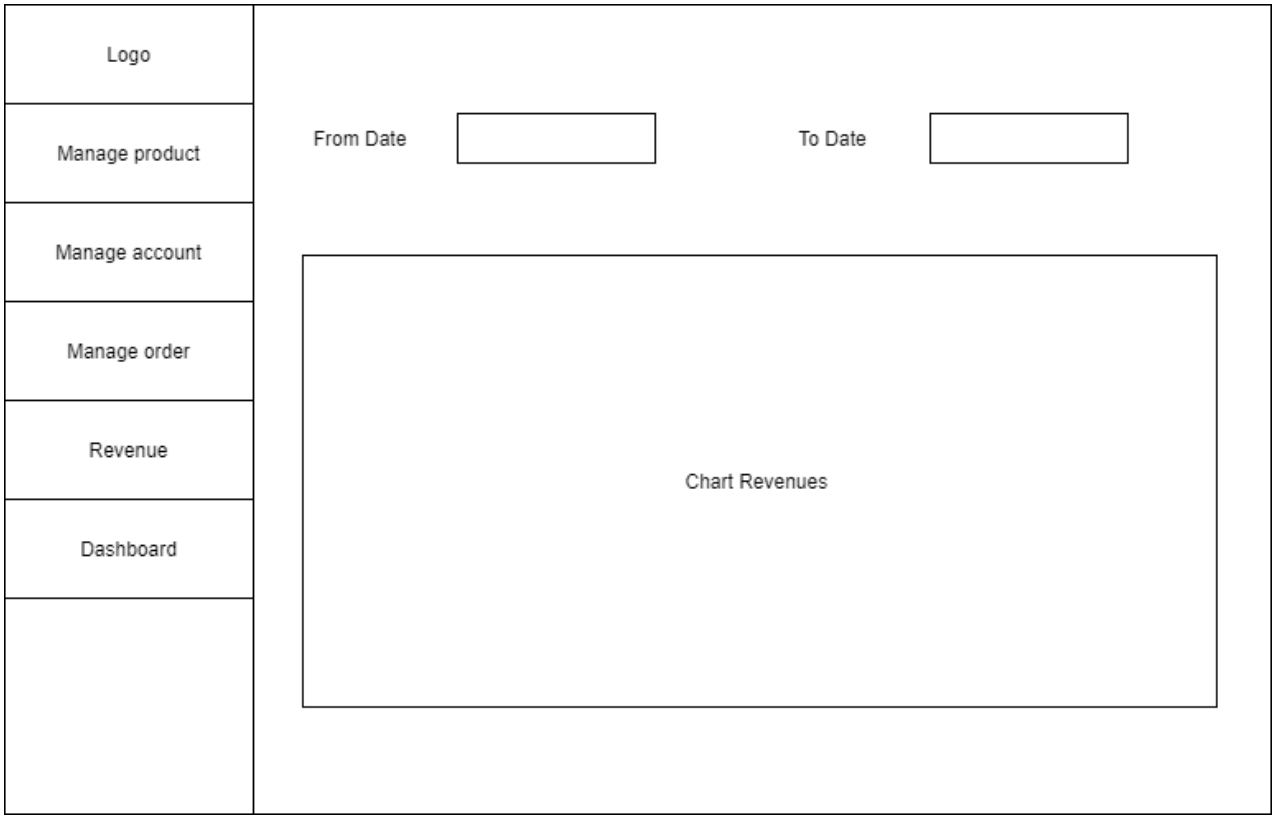


Description: Screen for manage order.

From: Admin home page

To: Manage product, manage account, revenue, dashboard

XII. Admin revenue



Description: Screen for revenue page.

From: Admin home page

To: Manage product, manage account, manage order, dashboard

Testing document

Sr.No	Features Tested	Remarks

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: *06*	*LE THANH NHAN*
Signature		
Date		

Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view images and links?	
2	Have all the views, modules and controllers been properly intergrated and is the site function as a single page application?	
3	Are the GUI content devoid of spelling mistakes?	
4	Is the application user-friendly?	
5	Is the Website launching correctly in all popular browsers?	
6	Are all the forms validated with proper criteria?	
7	Do all text links lead to the approriate website?	
8	Do all image links clearly visible on the page?	
9	Are all the images and links clearly visible on the page?	
10	Does the Web page work properly in all the tested browsers?	
11	Does the Web page take too long to be loaded fully?	
12	Is the navigation sequences correct through all the Web pages on the site?	

	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: *06*	*LE THANH NHAN*
Signature		
Date		

13	Is the JavaScript code working as expected in all click events?	

Task sheet

	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: *06*	*LE THANH NHAN*
Signature		
Date		

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	**Hoang Huu Nghia**	Admin	*Management Admin Account*	customer admin_account product order order_detail customer_like_product	09/09/2021	18/09/2021	10	Done
2			*Management Product*		09/09/2021	18/09/2021	10	Done
3			*Managemenet Order*		09/09/2021	18/09/2021	10	Done
5		User	*Register, Login*		20/08/2021	08/09/2021	20	Done
6			*Personal Account Management*		20/08/2021	08/09/2021	20	Done
7			*Add to Cart and Order product*		20/08/2021	08/09/2021	20	Done
9			*View Product*		20/08/2021	08/09/2021	20	Done
10			*Search Product*		20/08/2021	08/09/2021	20	Done
12			*View and check orders*		20/08/2021	08/09/2021	20	Done
13			*Like Product*		20/08/2021	08/09/2021	20	Done
1	**Tran Minh Phu**	Admin	*Manage Category*	category status_order	20/08/2021	30/08/2021	10	No Done
2					20/08/2021	30/08/2021	10	No Done
3			*Manage status order*		20/08/2021	30/08/2021	10	No Done
4					20/08/2021	30/08/2021	10	No Done
1	**Nguyen Cong Hung**	Admin	*Manage Role_Account*	role_account status_product	20/08/2021	30/08/2021	10	No Done
2					20/08/2021	30/08/2021	10	No Done
3			*Manage Status_Product*		20/08/2021	30/08/2021	10	No Done
4					20/08/2021	30/08/2021	10	No Done

	Prepared by (Student)	Approved by (Faculty)
	Project Group No: *06*	*LE THANH NHAN*
Signature		
Date		