FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

Bright World

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2112.E0*

Group No: *1*

Order:	**Full name**	**Roll No.**
1.	*Khưu Nguyễn Lan Anh*	*Student1352176*
2.	*Huỳnh Thanh Tú*	*Student1357831*
3.	*Nguyễn Minh Sơn*	*Student1352243*
4.	*Vũ Đông Nam*	*Student1352239*

***Month**: 10 **Year**:2022*

This is to certify that

Ms.	**KHƯU NGUYỄN LAN ANH**
Mr.	**HUỲNH THANH TÚ**
Mr.	**NGUYỄN MINH SƠN**
Mr.	**VŨ ĐÔNG NAM**

Have successfully Designed & Developed

BRIGHT WORLD

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synposis

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Acknowledge

As we understand that the Project is a step-by- step learning environmnent that closely simulates the class-room and Lab based learning environment into actual implementation It is a projectimplementation at your fingertips An electronic, live juncture on the machine that allows you to.

- ✓ Practice step by step i.e. laddered approach
- ✓ Build a larger more robust application
- ✓ Usage of certain utilities in applications designed by user
- ✓ Single program to unified code leading to a complete application
- ✓ Learm inplementation of concepts in a phased manner
- ✓ Enhance skills and add value.
- ✓ Work on real life projects
- ✓ Give a real life scenario and help to create applications more complicated and useful
- ✓ Mentoring through email support.

We would like to send a great thank to our professor, Mr Le Thanh Nhan and others student for the addorable supports during the time in project.

Beside serveral mistakes we had nade the project we hope to have more oppotunities to widen our knownledge in web developng world

We also thank you so much for your infomation and the "demo project from India APTECH to help us get more reality expeience in this project Since we have ganed

more experience from this project, we will not stop learning any thing as much as we can to be more successful in the future.

Your Sincerely

Team Group 01

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 basıc 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 assıstance of fhe faculty if required

The website (in this project) is a world that brings everything about the potteries and crockeries nto 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 01

Problem Definition

Bright World is the store that sells LED Lights. Now with the changing environment, they want their presence on Internet. Hence they need to have a website with all their products listed on the website. Consumers can find it easy to view various products and decide upon purchasing the right product to meet their requirements.

A website needs to be designed to display various lights available with the store. Details of locations using GeoLocation API (eg. GoogleMaps), feedback must be included.

The website is to be developed for the Windows Platform using HTML5, JavaScript, PHP, MySQL and Geolocation. The site should work well in all leading browsers including Chrome, IE, Firefox etc.

Requirement Specification:

1. The Web site is to be created based on the following requirements.
2. The Home Page should be created making use of Sections with a suitable logo, the header section can be added which will show images of various LED Lights.
3. The site must contain the links to navigate through various types of LED Lights.
4. Links of LED Lights can be categorized like (Bulbs, Spot Lights, Decoration Lights, Smart Lights etc.)
5. Specification and Pricing of Lights should be added along with the images.
6. Website should provide section for various brands offered in the store.
7. Gallery section should be added for viewing different images.

8. Site map, Gallery, about us, Queries link, Contact us link must be added. Address of the Company should be displayed using GeoLocation API (eg. GoogleMaps) and the email address which when clicked will invoke the local mail client from where they can send an email.

9. The complete description must be allowed to get download as pdf or doc file.

10. The advertise section with various facilities provided should be mentioned.

Based on the need stated in the Project overall, we design an application that will provide the key features and function as the followings:

- Provide function for member 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;
- Receive comments from customers and members to improve service quality as well as product quality;

Admin control panel that support about management system:

- Administrators the ability to manager delivery progress belong to orders;
- Administrators the ability report statistics;
- Administrators the ability to add, update product information quickly and accurately;

The role of Admin and User:

1. Admin:
    - Can add/ edit/ deactivate products and categories;

- Can view customer is information or deactivate an account;
- Can view all order and approve orders;
- Can view report statistics;
- Can reply the feedback or comment.

2. User:

- Can view their order;
- Can view and buy products;
- Can register as a member and manage personal account;
- Can give feedback, comment, rate about products.

Customer Requirements Specifications

Describe the data processing process for each object

1. Webmaster:

   Input:

   - Log in
   - Administrator login information
   - Product and category information to add / edit / delete.
   - Member information to be search / delete.
   - Order information to be search / approve.

   Process:

   - Add / edit / delete products.
   - View all orders.
   - Update order status.
   - View information of all members.
   - Change member account’s status.

   Output:

   - Log out
   - Notification to add / edit / delete products success or failure.
   - Notification to change member account’s status.
   - Notification to update order’s status.

2. User:

   Input:

- Log in
- Member registration information.
- View product's information.
- Order selected products.
- Feedback about products.

Process:

- Search products from database by categories, by product types.
- Process customer registration information.
- Process product's feedback.
- Process customer orders.

Output:

- Log out
- Notification of succ
- essful registration or failure.
- Product information.
- Notification of successful make order.

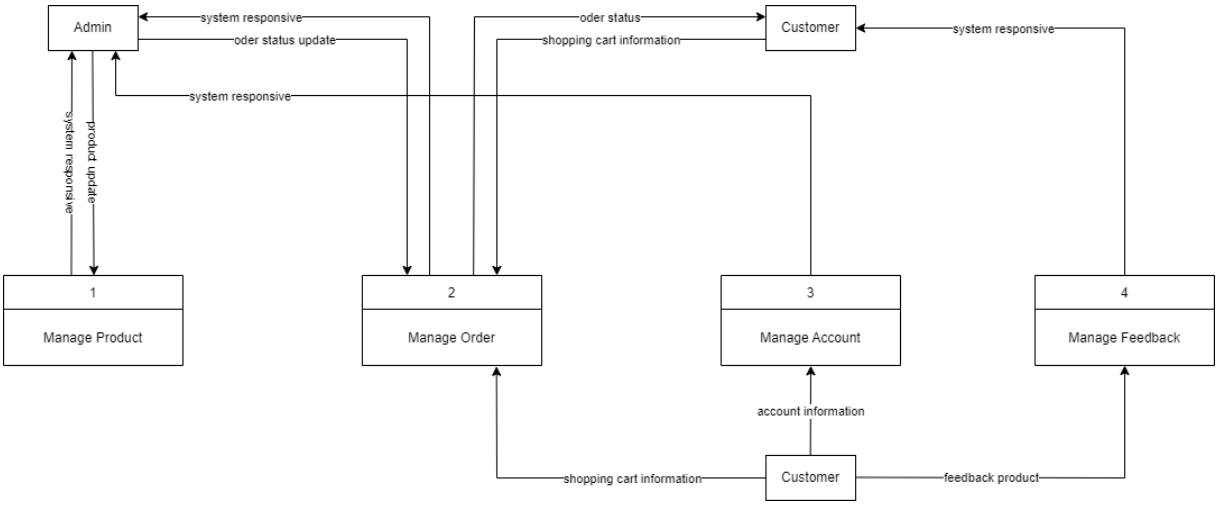
Hardware / Software requirement

No	Item	Description
1.	Operating System	Window 7, 8, or higher
2.	Hardware	CPU Cores or better with 2GB RAM or better
3.	Web Browser	Version later of Edge, Firefox, Chrome, etc
4.	Fonts	Arial, Tahoma, Times New Roman, etc

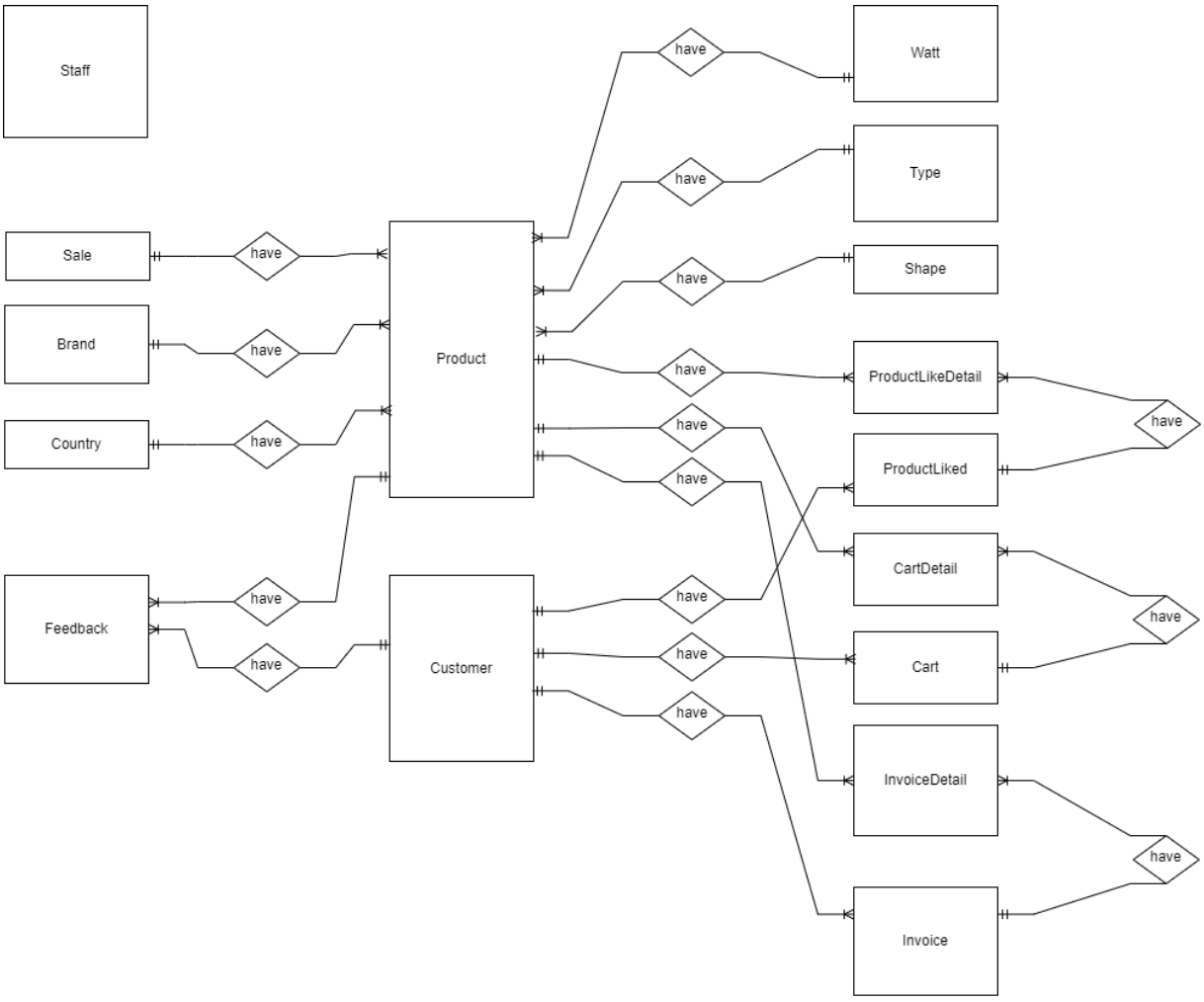
5.	Other requirement	Git, XAMPP 7.3 or better, NodeJS

Review 02

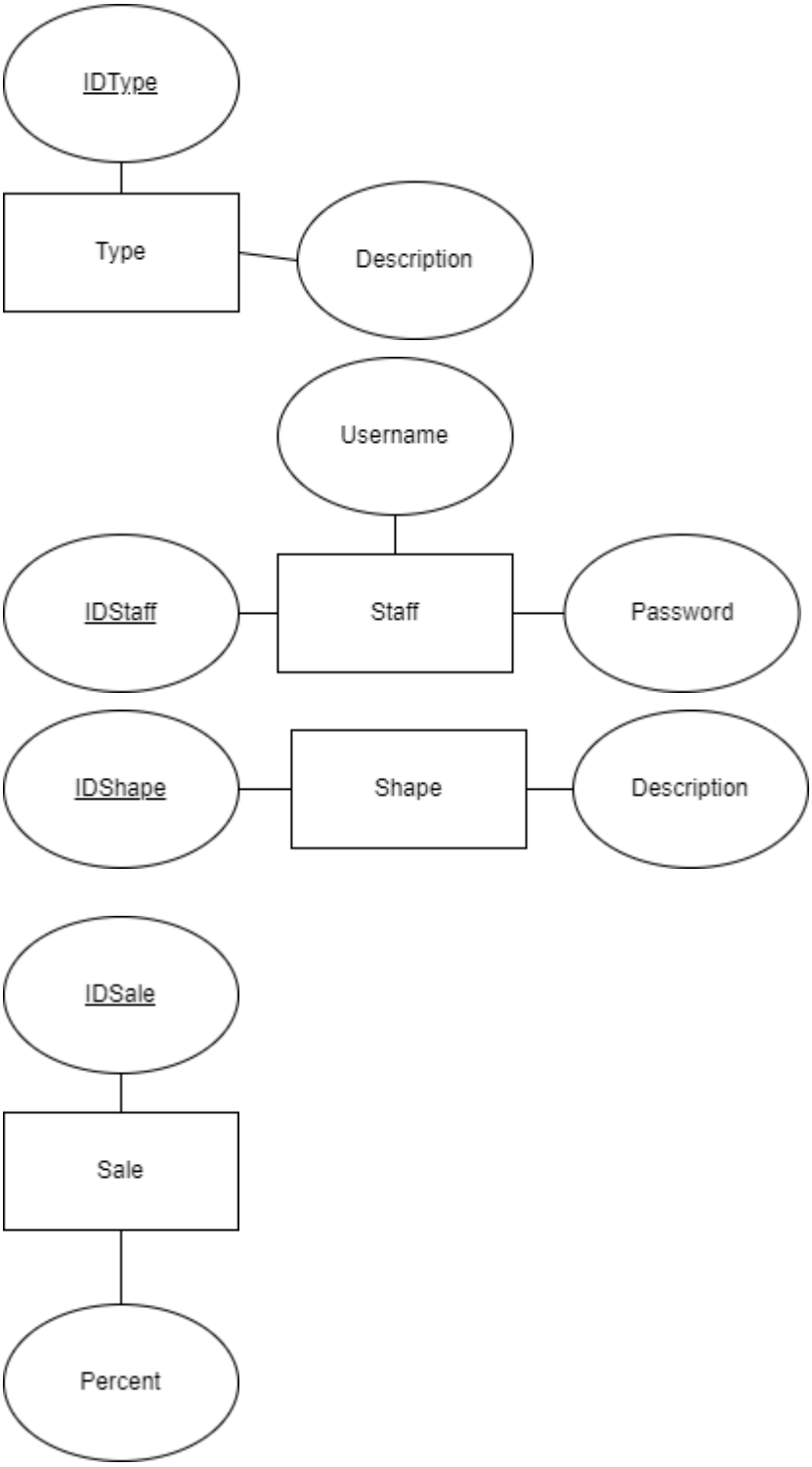
Data Flow Diagram

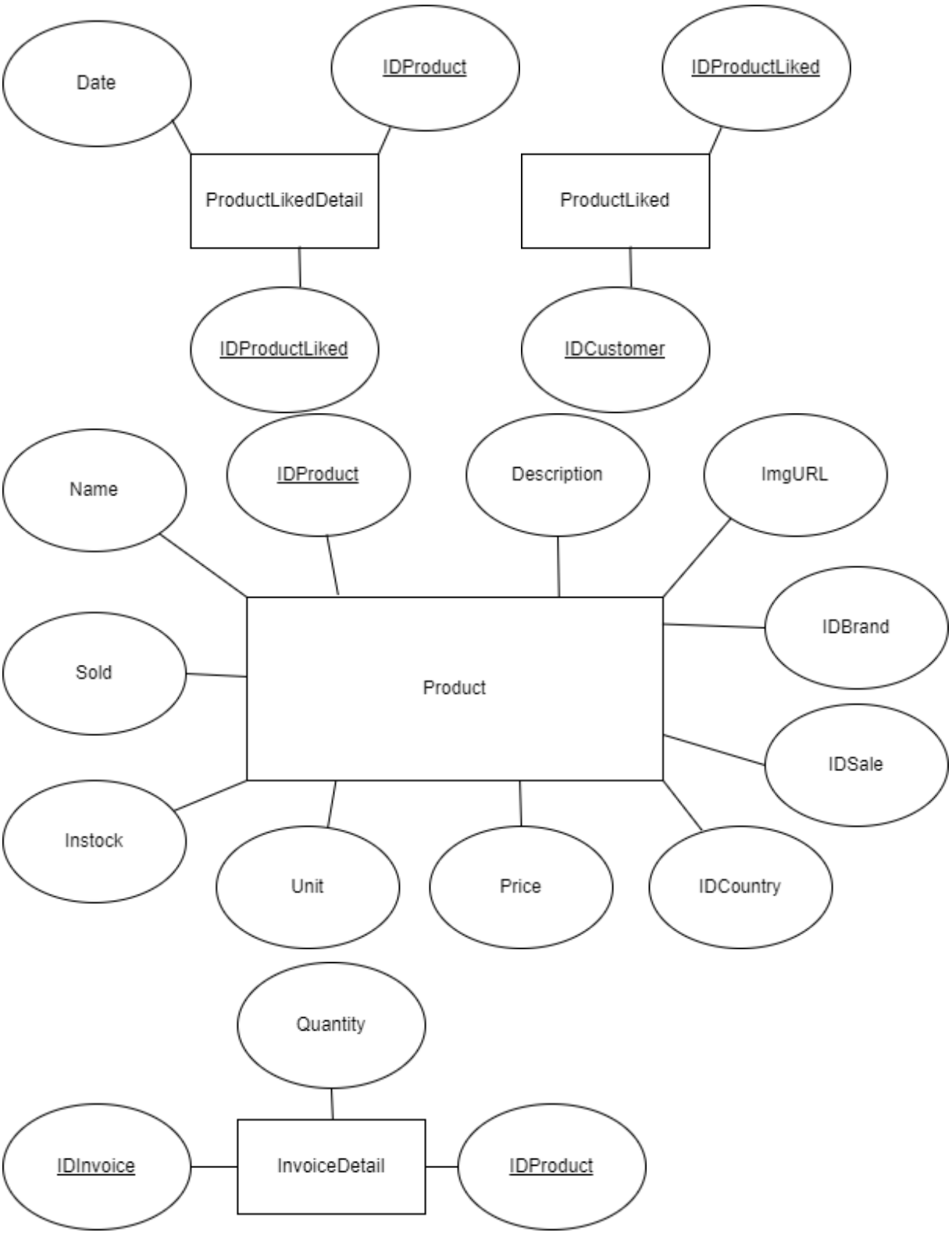


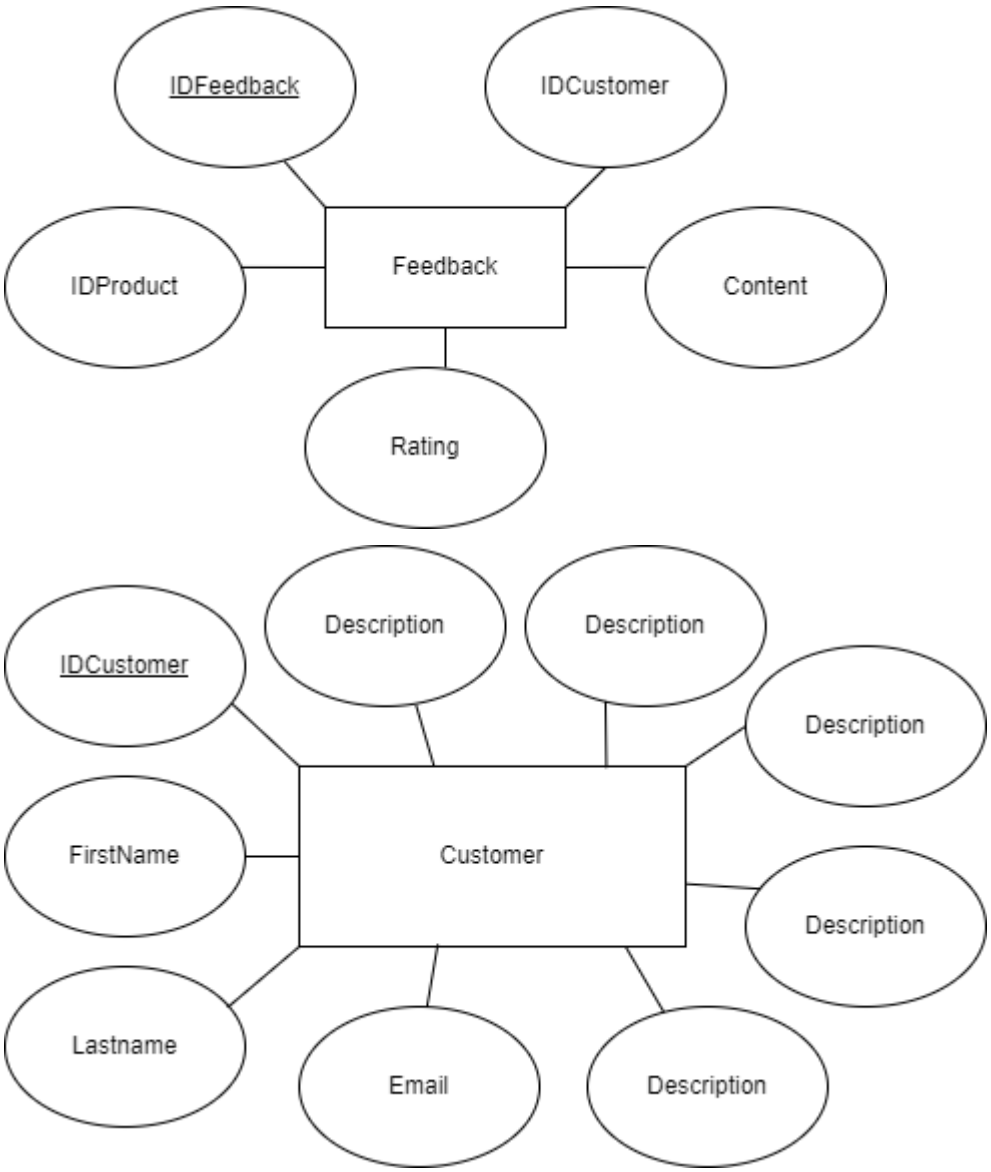
A. Entity Relationship Diagram

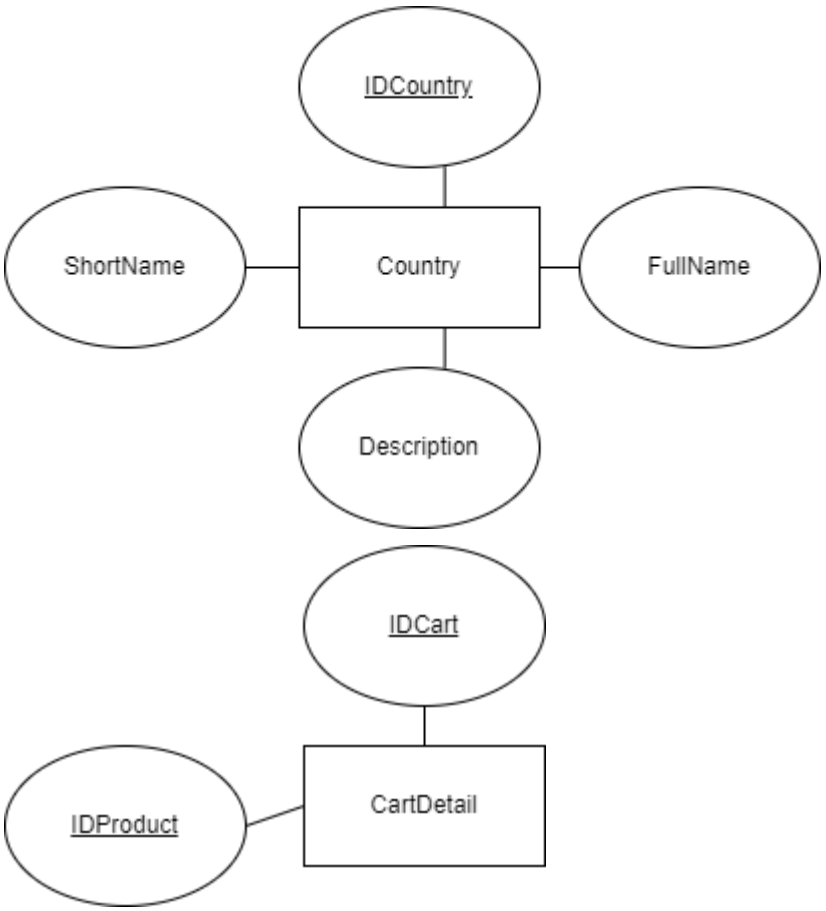


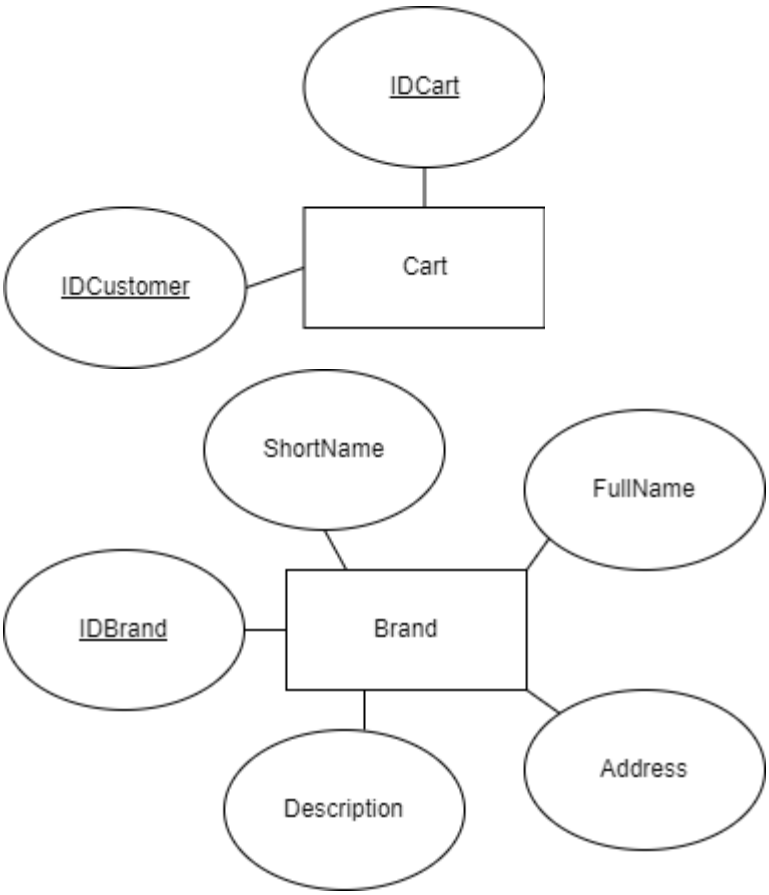
B. Entity Attributes

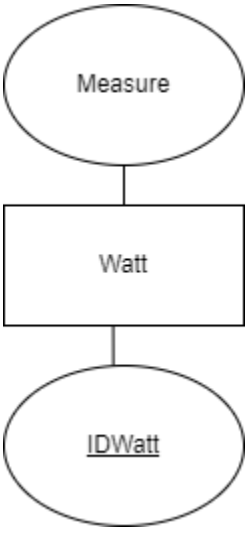



Date
IDProduct
IDProductLiked
ProductLikedDetail
ProductLiked
IDProductLiked
IDCustomer
Name
IDProduct
Description
ImgURL
Sold
Product
IDBrand
IDSale
Instock
Unit
Price
IDCountry
Quantity
IDInvoice
InvoiceDetail
IDProduct


IDFeedback
IDCustomer
IDProduct
Feedback
Content
Rating
IDCustomer
Description
Description
Description
FirstName
Customer
Description
Lastname
Email
Description


IDCountry
ShortName
Country
FullName
Description
IDCart
IDProduct
CartDetail


IDCart
Cart
IDCustomer
ShortName
FullName
IDBrand
Brand
Description
Address


Measure
Watt
IDWatt

A. Table Design

Country

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	ShortName	varchar(100)	No	NULL		
3	FullName	varchar(250)	No	NULL		
4	Desc	text	Yes	NULL		

Brand

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	ShortName	varchar(100)	No	NULL		
3	FullName	varchar(250)	No	NULL		
4	Address	varchar(500)	No	NULL		
5	Desc	text	Yes	NULL		

Product

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	Name	varchar(250)	No	NULL		
3	Unit	varchar(50)	No	NULL		
4	Price	float	No	NULL		
5	CountryID	int	No	NULL	FK	
6	BrandID	int	No	NULL	FK	
7	ImgURL	varchar	No	NULL		
8	Desc	text	Yes	NULL		
9	Sold	int	No	NULL		
10	InStock	int	No	NULL		
11	ShapeID	int	No	NULL	FK	
12	TypeID	int	No	NULL	FK	

13	WattID	int	No	NULL	FK	
14	SaleID	int	No	NULL	FK	

Customer

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	FirstName	varchar(100)	No	NULL		
3	LastName	varchar(100)	No	NULL		
4	Email	varchar(250)	No	NULL		
5	PhoneNumber	int(20)	No	NULL		
6	Address	varchar(500)	No	NULL		
7	Zip	int	No	NULL		
8	Password	varchar(20)	No	NULL		
9	Username	varchar(20)	No	NULL		

ProductLikedDetail

No.	Name	Type	Null	Default	Comments	Extra
1	Date	datetime	No	NULL		
2	ProductLikedID	int	No	NULL	Combined Key	
3	ProductID	int	No	NULL		

ProductLiked

No.	Name	Type	Null	Default	Comments	Extra
1	ID	datetime	No	None	PK	
2	CustomerID	int	No	NULL	FK	

CartDetail

No.	Name	Type	Null	Default	Comments	Extra
1	CartID	int	No	NULL	Combined Key	
2	ProductID	int	No	NULL		
3	Qty	int	No	NULL		

Cart

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	
2	CustomerID	int	No	NULL	FK	

Invoice

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	Date	datetime	No	NULL		
3	InvoiceNumber	varchar(100)	No	NULL		
4	CustomerID	int	No	NULL	FK	

InvoiceDetail

No.	Name	Type	Null	Default	Comments	Extra
1	InvoiceID	int	No	NULL	Combined Key	
2	ProductID	int	No	NULL		
3	Qty	int	No	NULL		

Sale

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	Percent	float	No	NULL		

Feedback

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	CustomerID	int	No	NULL	FK	
3	ProductID	int	No	NULL	FK	
4	Content	text	No	NULL		
5	Rating	int	No	NULL		

Watt

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	Measure	int	No	NULL		

Shape

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	ShapeDesc	varchar(20)	No	NULL		

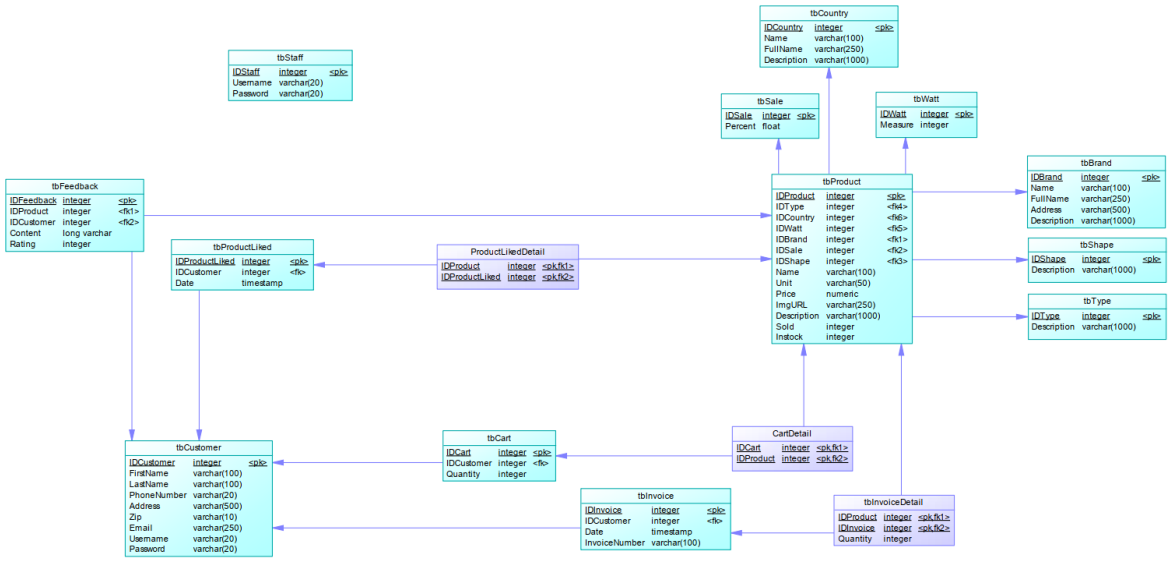
Type

No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	TypeDesc	varchar(20)	No	NULL		

Staff

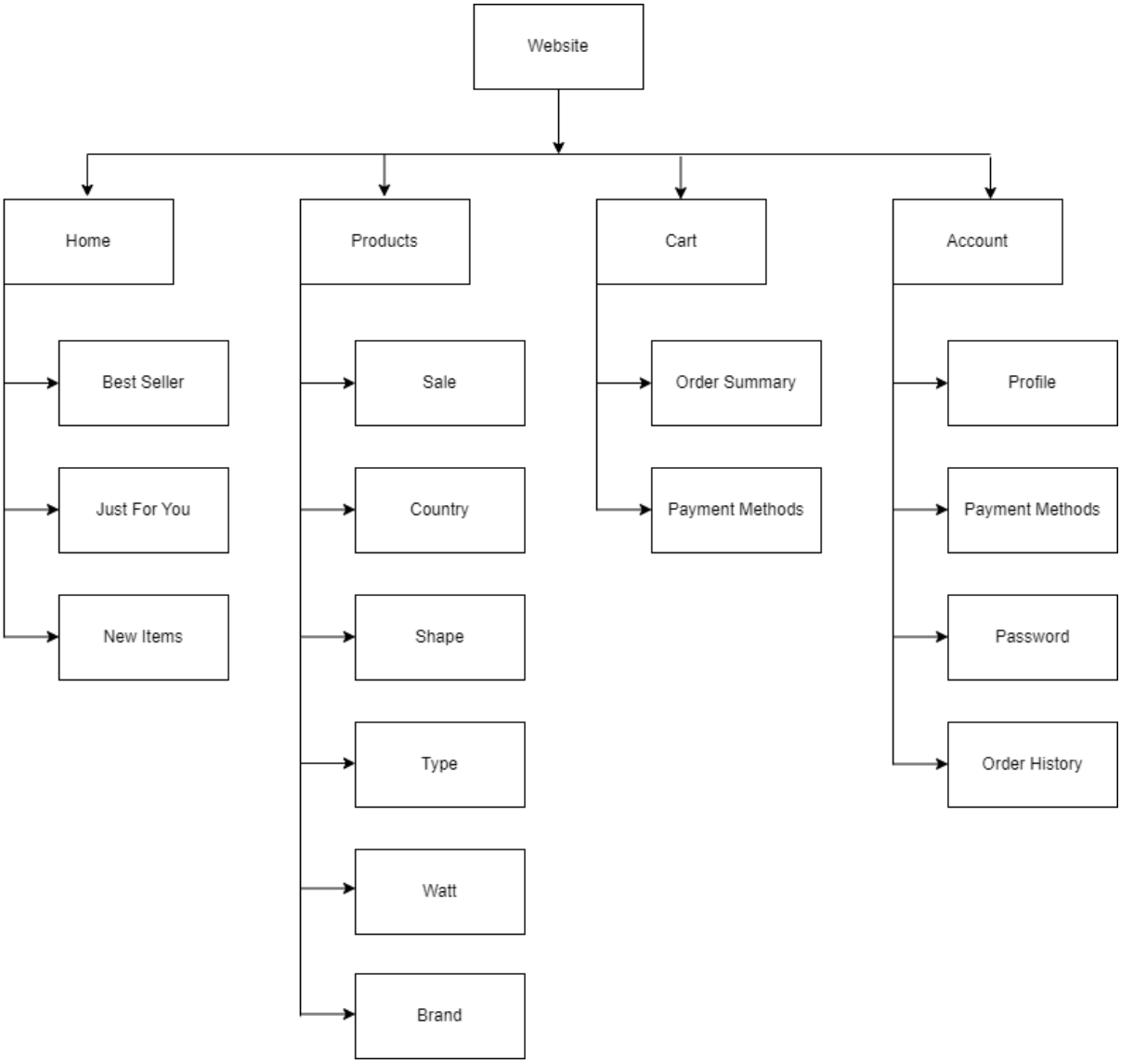
No.	Name	Type	Null	Default	Comments	Extra
1	ID	int	No	None	PK	AUTO_INCREMENT
2	Password	varchar(20)	No	NULL	FK	
2	Username	varchar(20)	No	NULL	FK	

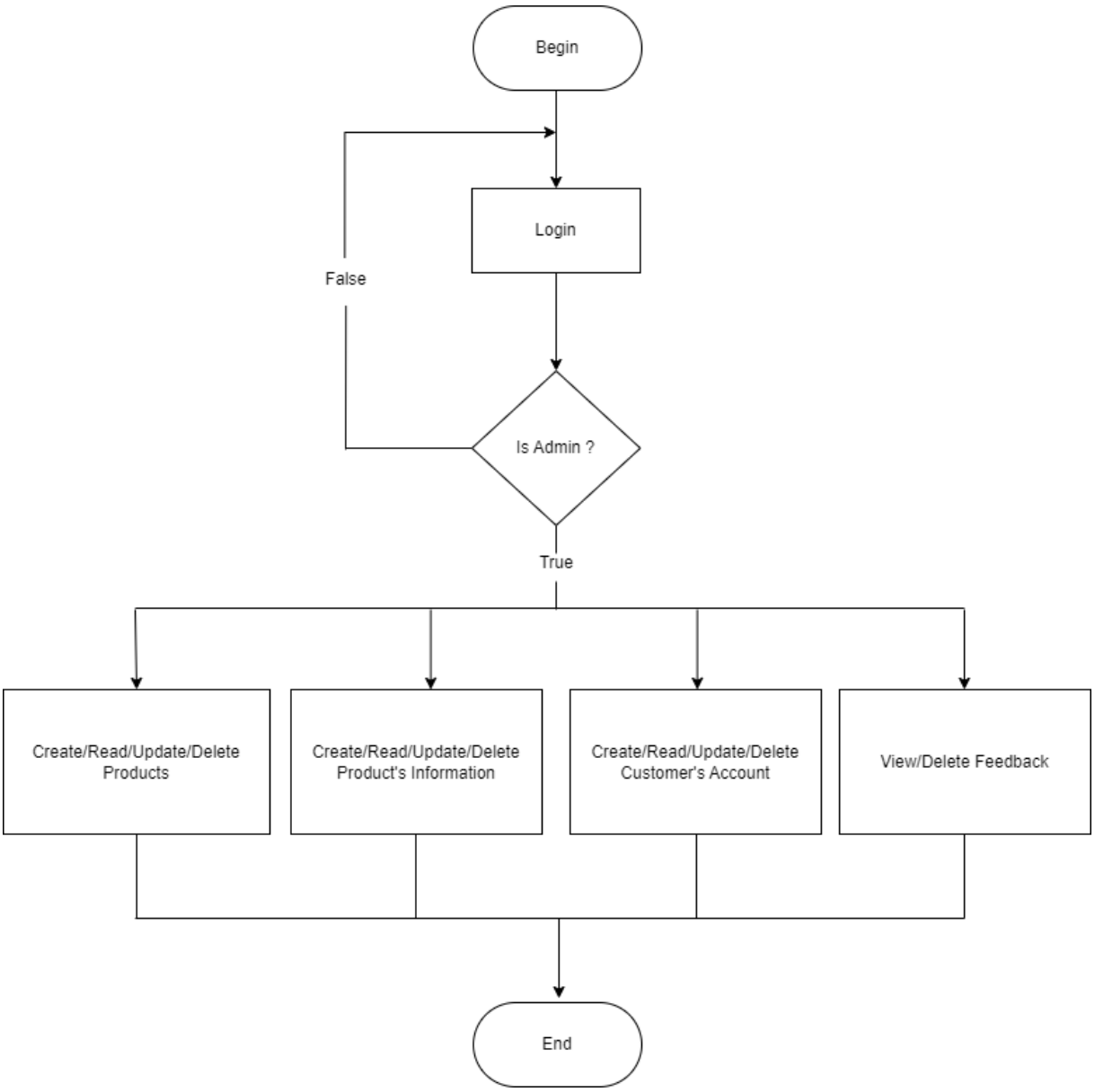
B. Relationship Diagram

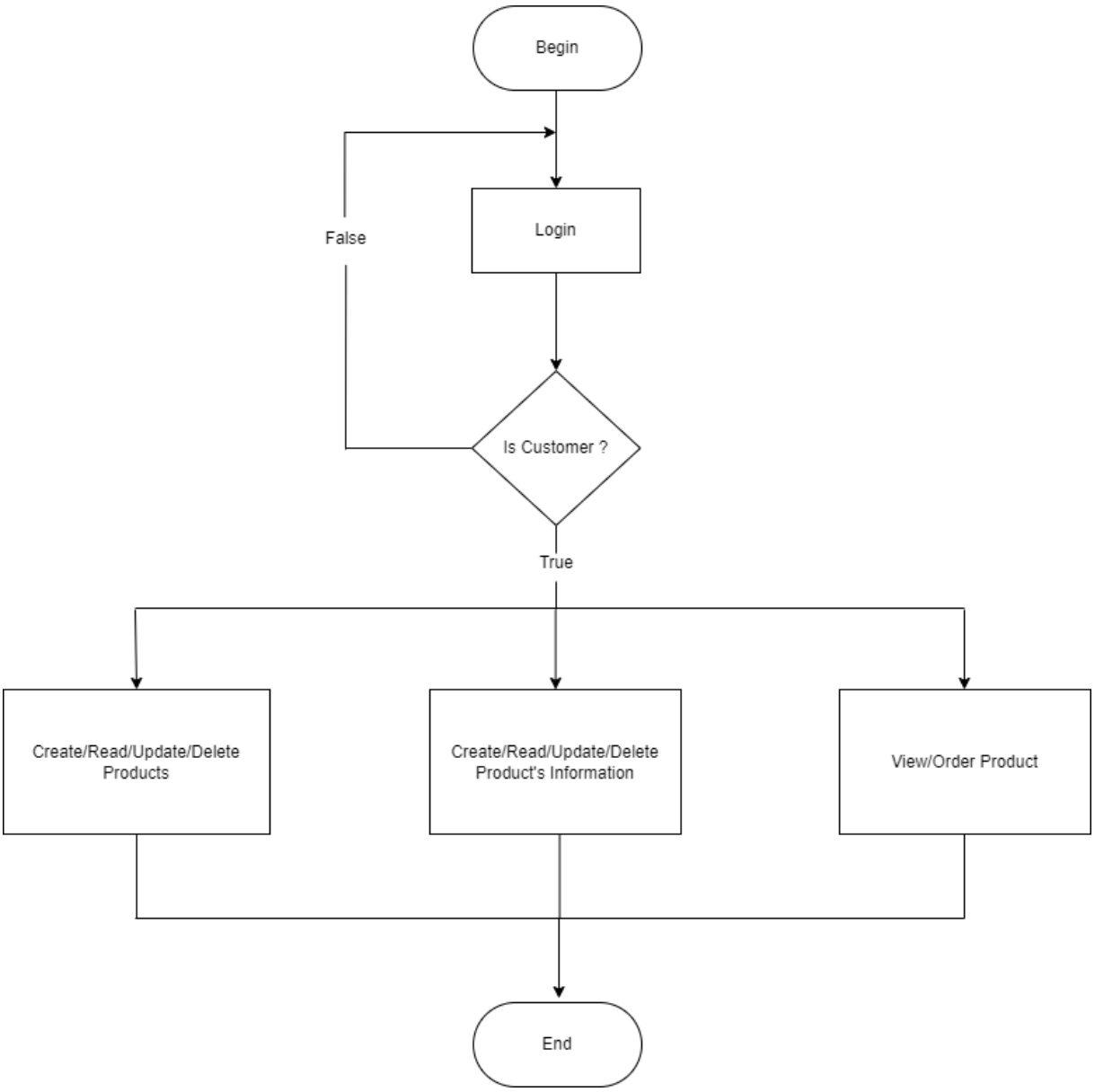


	Prepared by (Student)	**Approved by (Faculty)**
	Project Group No: 01	LE THANH NHAN
Signature		
Date		

SiteMap


Website
Home
Products
Cart
Account
Best Seller
Just For You
New Items
Sale
Country
Shape
Type
Watt
Brand
Order Summary
Payment Methods
Profile
Payment Methods
Password
Order History


Begin
Login
False
Is Admin ?
True
Create/Read/Update/Delete Products
Create/Read/Update/Delete Product's Information
Create/Read/Update/Delete Customer's Account
View/Delete Feedback
End


Begin
Login
False
Is Customer ?
True
Create/Read/Update/Delete Products
Create/Read/Update/Delete Product's Information
View/Order Product
End

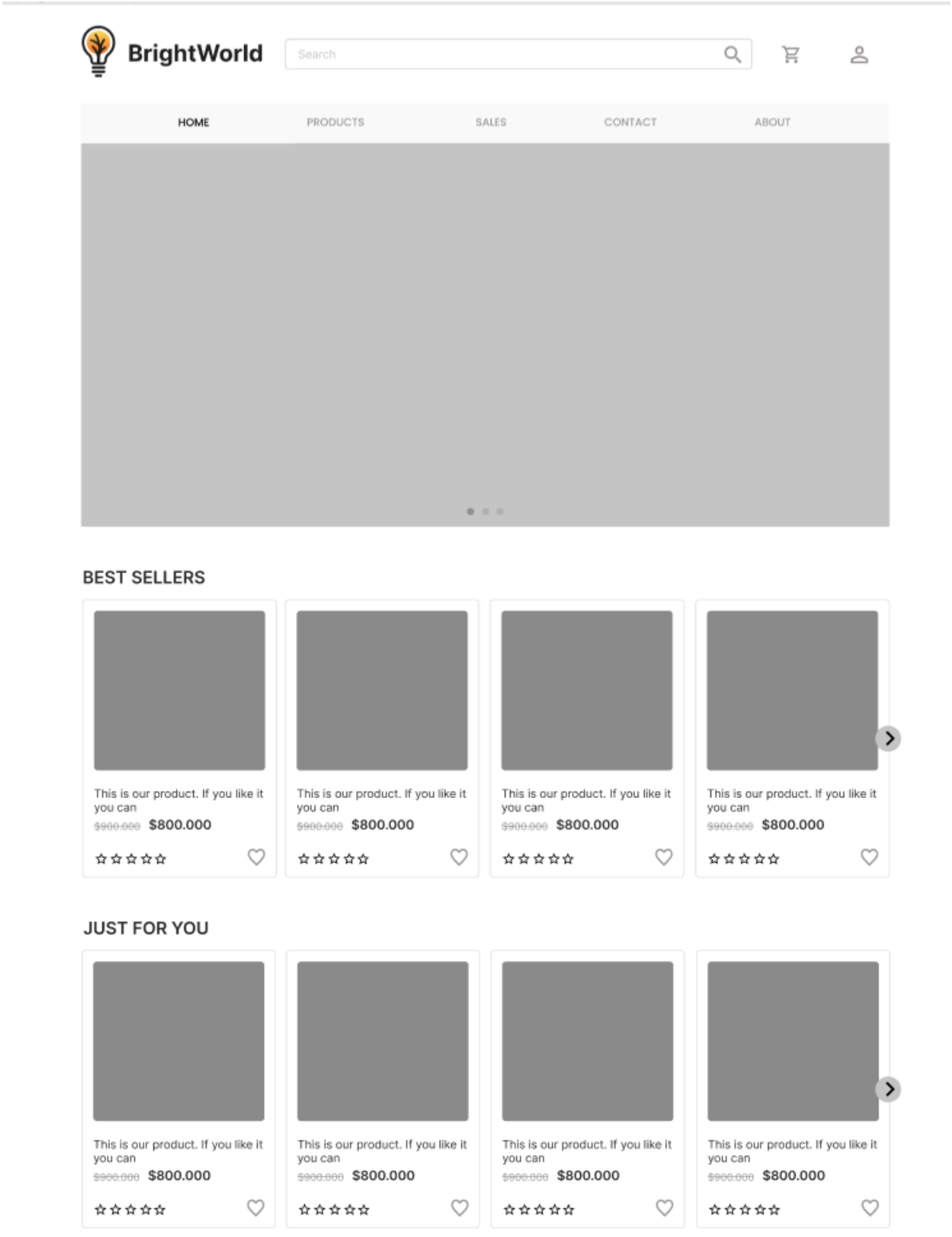
Algorithm

Review 03

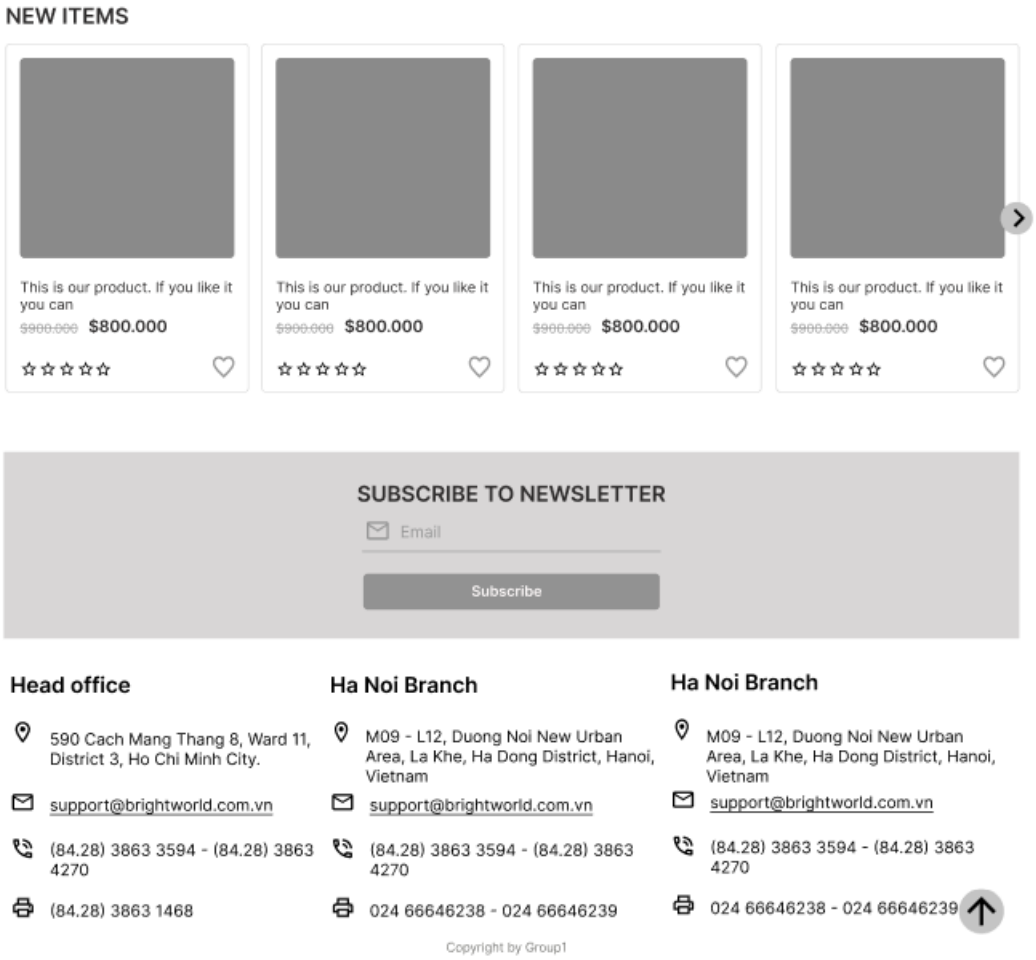
Screen shots

Các layout mô tả màn hình. Sinh viên có thể vẽ layout. Nếu không thể thì code HTML cơ bản rồi chụp lại hình màn hình.

I. Homepage



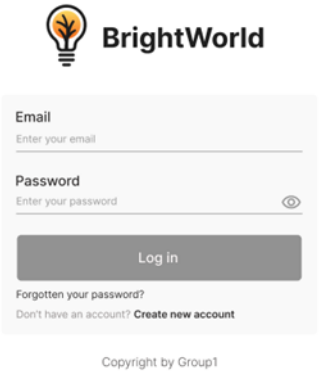
	Prepared by (Student)	Approved by (Faculty)
	Project Group No:	LE THANH NHAN
Signature		
Date		



Description: This is a homepage of Bright World, the top of this page is a header, after that is a navigation bar. The main part of a homepage beside the slider also includes 3 sections: best sellers, just for you and new items. The footer of a homepage has 2 sections: subscribe and link to other information pages or contact information.

From: Sign in

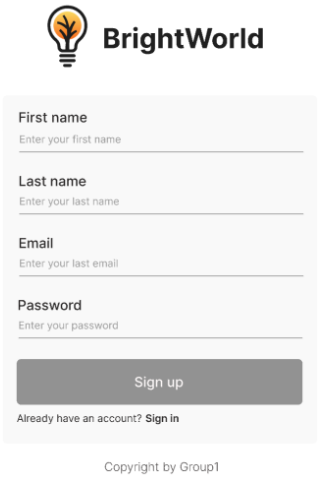
II. Sign in



Description: When the user clicks on the human icon in the header, it leads to a sign in page. This form requires the user to enter an email address and a password. After clicking the login button, the user will be redirected to the homepage.

To: Homepage

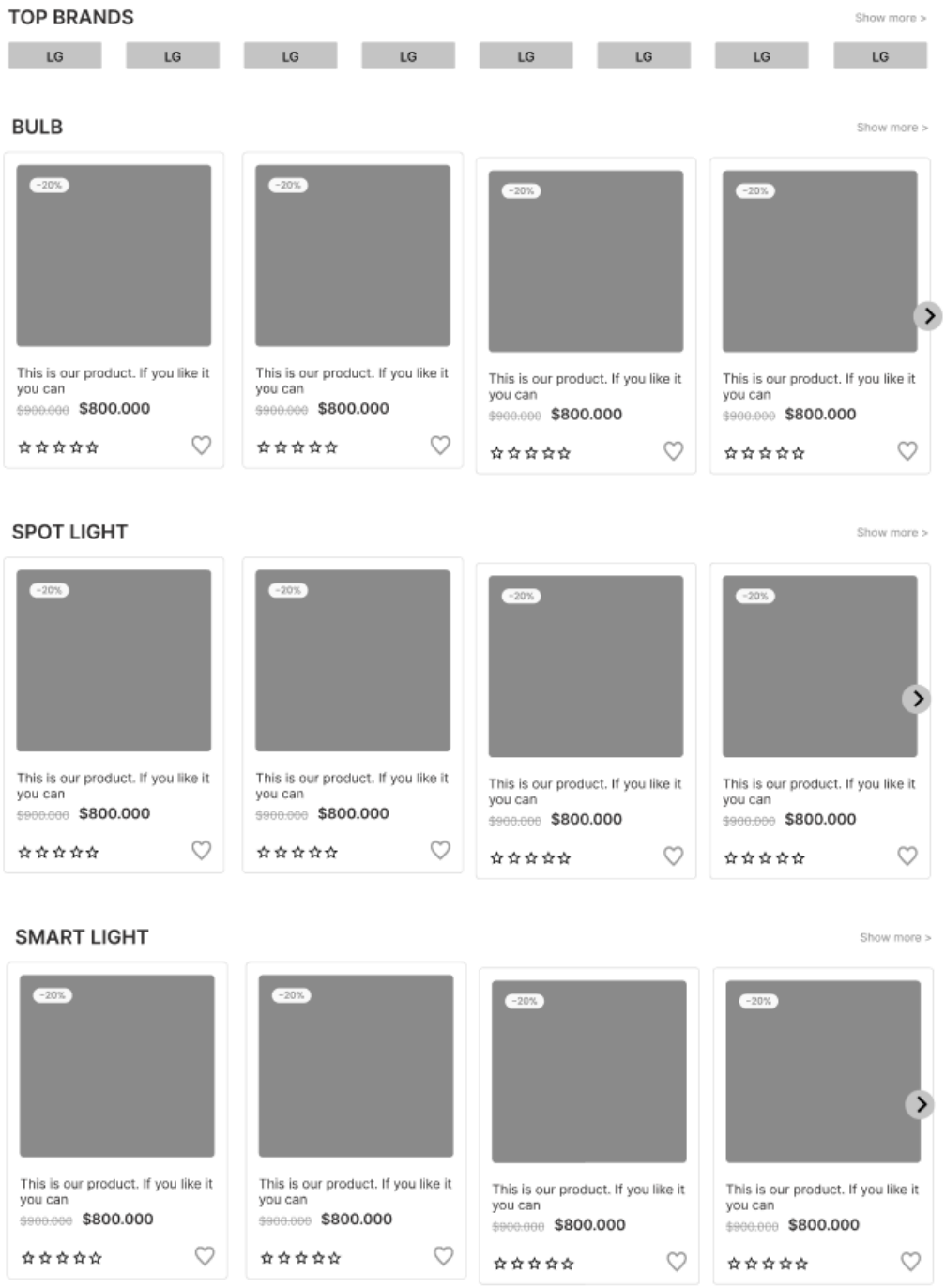
III. Sign up



Description: If the user hasn't created an account, he/she can click to Create new account in the sign in page and it will lead to this sign up page. This sign up form requires the user to enter 4 fields: first name, last name, email and password. After clicking the sign up button the user will be redirected to the homepage.

To: Sign in

IV. Sales



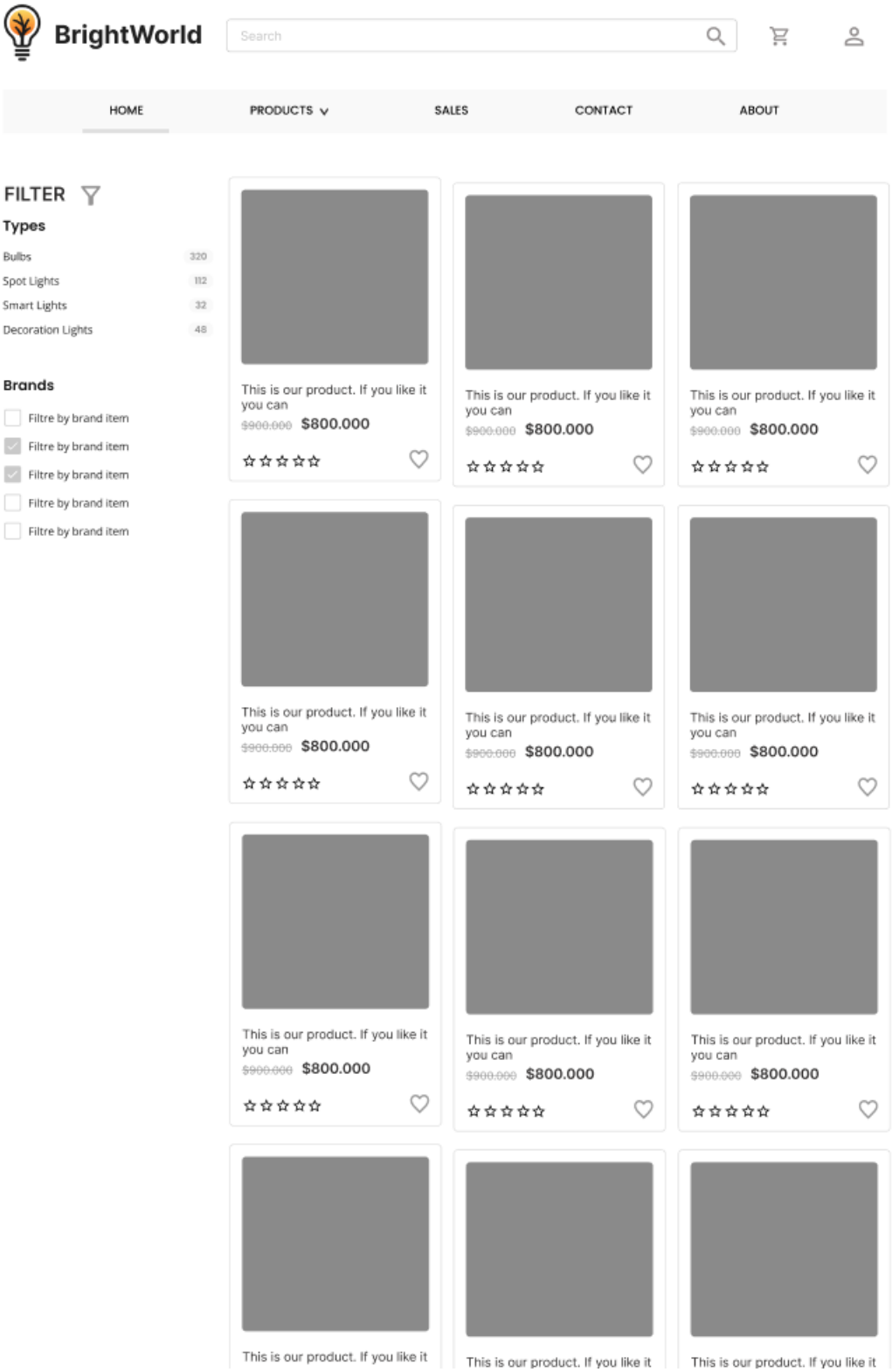
Description: When the user clicks on the Sales tag in navigation, it will lead to this page. The main part of this page contains 2 sections: top brands, and sale items (which includes the category of each product).

From: Navigation

To: Product Detail

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

V. Product Category/Search Page



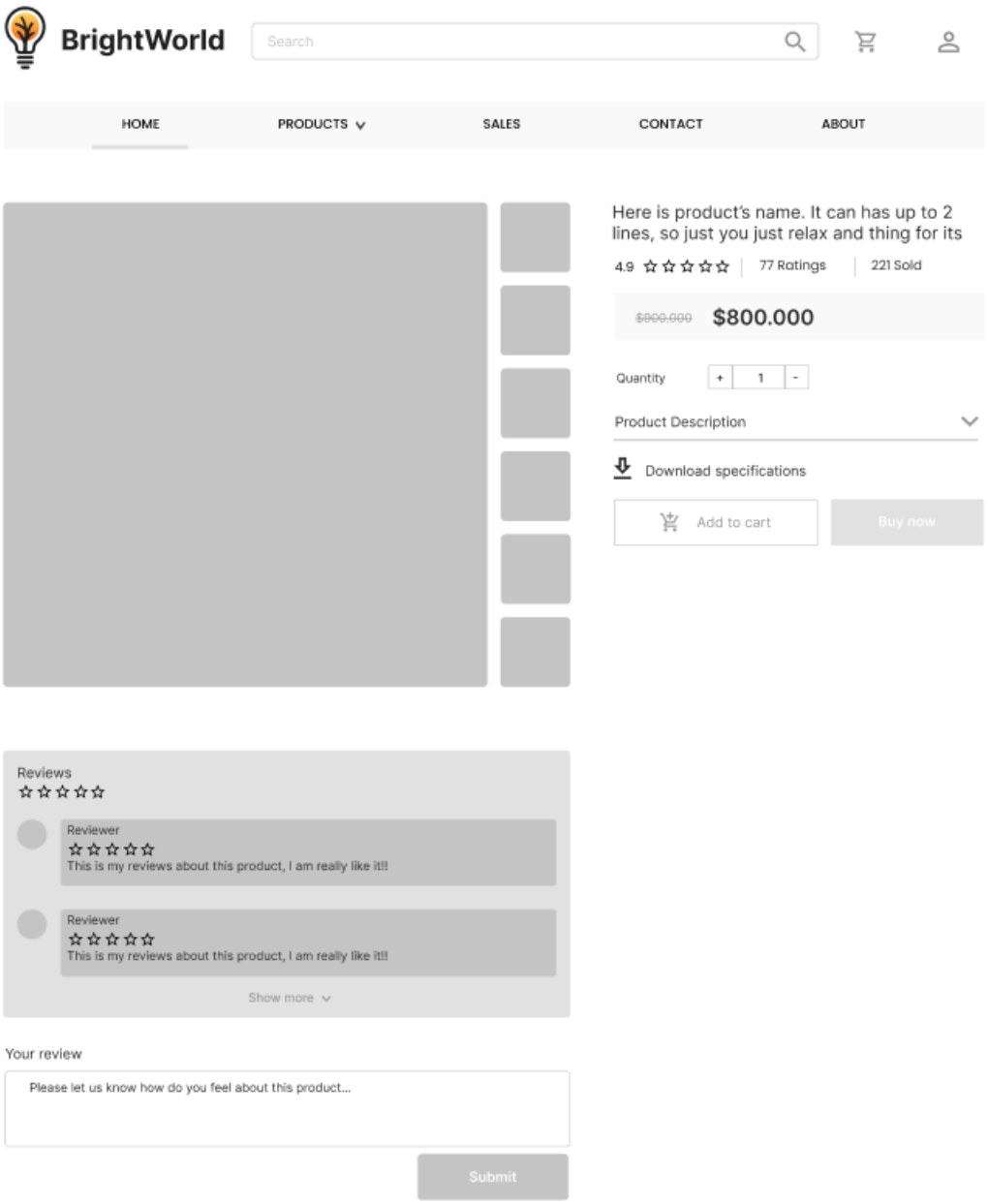
	Prepared by (Student)	Approved by (Faculty)
	Project Group No:	LE THANH NHAN
Signature		
Date		

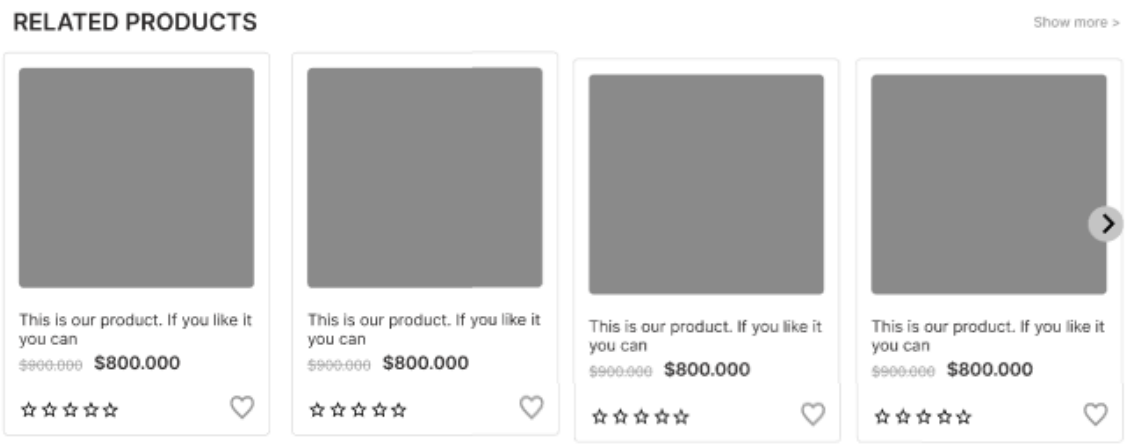
Description: When the user clicks on a specific category in the sub menu of the Products tag on navigation, it will lead to this page. The left part is a filter which contains filters by: light types, brands, rating and price. The right part is a result of a specific product.

From: Navigation

To: Product Detail

VI. Product Detail

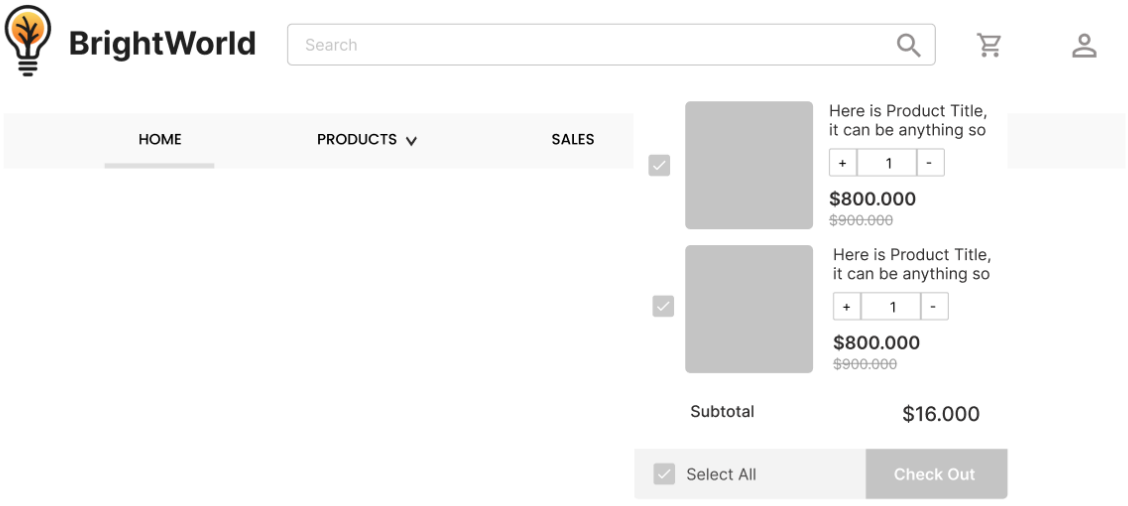




Description: When the user clicks on a specific product it will lead to this product detail page. Beside in detail information about the product, it also contains Call to Action buttons Buy now. Moreover, it also contains the Reviews part, this includes reviews of the other buyers, and the user can write reviews about this product. The last part of this page is the Related Products section.

To: Checkout

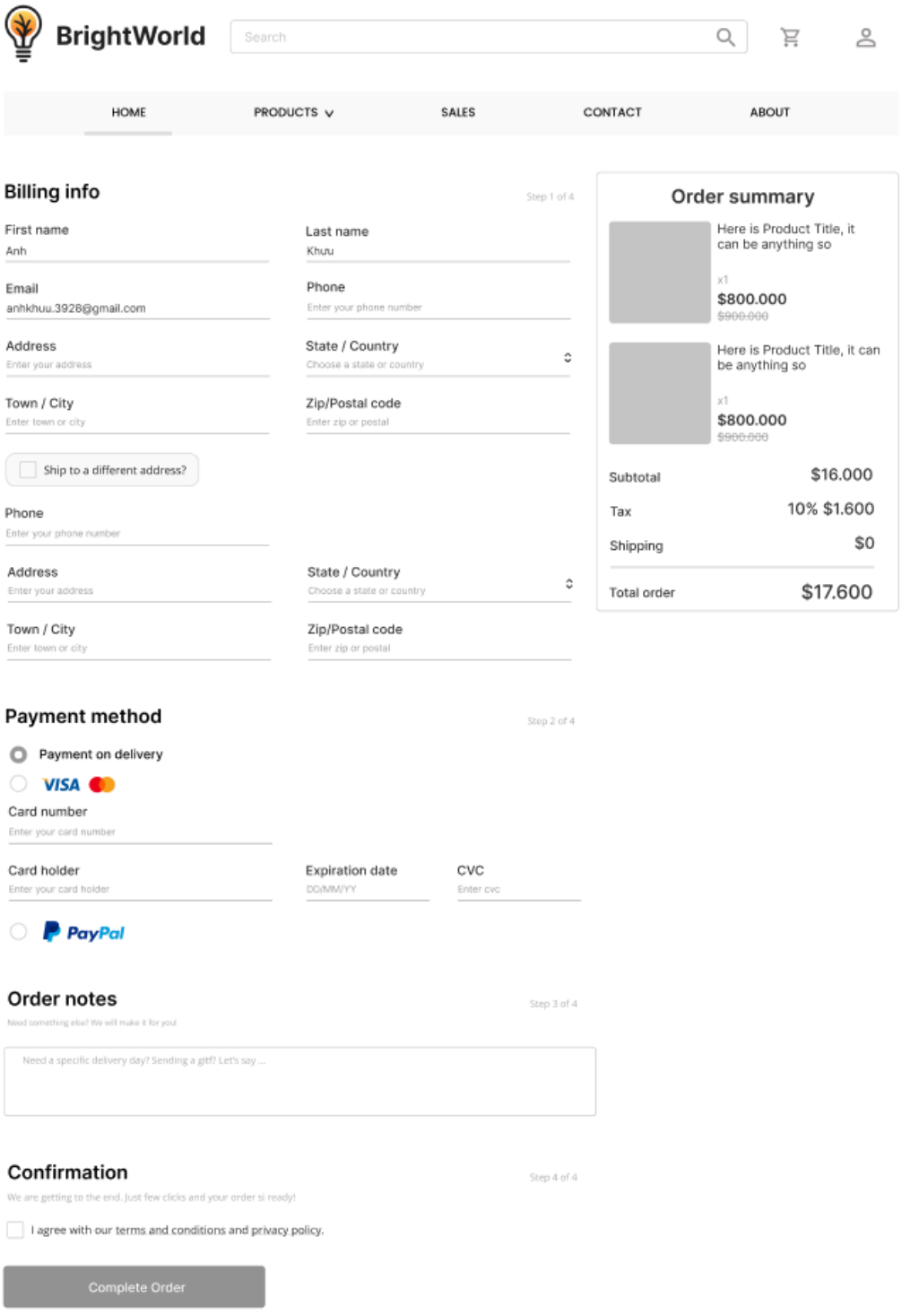
VII. Cart Dropdown



Description: When the user clicks on the cart icon in the header, the cart information will appear. It includes products that users have already added to cart, the user can select all items or remove items which they don't have the intention to buy.

To: Checkout

VIII. Checkout



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

Description: After clicking the Check out button on the Cart or Buy now button in Product Detail Page, the user will be redirected to this checkout page. The left part of this page contains a form which requires the user to enter and the other side is the Order summary.

Testing document

Sr.No	Features Tested	Remarks
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Final checklist

Sr.No	Aspected Tested	Suggestion/ Remarks
1	Are all the users able to view the images and links?	
2	Have all the views, modules and controllers been properly integrated 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 appropriate website?	
8	Do all image links lead to the appropriate website?	
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?	
13	Is the JavaScript code working as expected in all click events?	
	(Sinh viên ghi thêm…)	

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	**Khưu Nguyễn Lan Anh**	Admin	*Product Management*	Products, Brands	14/10/2002	14/10/2002		
2					14/10/2002	14/10/2002		
3		User	*View Product*		14/10/2002	14/10/2002		
4					14/10/2002	14/10/2002		
1	**Huỳnh Thanh Tú**	Admin	*Order Management*	Invoices, Carts	14/10/2002	14/10/2002		
2					14/10/2002	14/10/2002		
3		User	*Add Order Management*		14/10/2002	14/10/2002		
4			*Cart Management*		14/10/2002	14/10/2002		
1	**Nguyễn Minh Sơn**	Admin	*Customer Management*	Customers, Staffs	14/10/2002	14/10/2002		
2					14/10/2002	14/10/2002		
3		User	*Register*		14/10/2002	14/10/2002		
4			*Personal Account Management*		14/10/2002	14/10/2002		
1	**Vũ Đông Nam**	Admin	*Feedback Management*	Feedbacks, ProductLikeds	14/10/2002	14/10/2002		
2					14/10/2002	14/10/2002		
3		User	*Send Feed back, Comment*		14/10/2002	14/10/2002		
4			*Personal Feedback Management*		14/10/2002	14/10/2002		

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