

# 100D Barber

**Supervisor:** *LÊ THANH NHÂN*

**Semester:** *II*

**Batch No:** *T1.2209.M0*

**Group No:** *02*

Order:	Full name	Roll No.
1.	<i>Lý Khánh Hưng</i>	<i>Student1420710</i>
2.	<i>Dương Tuấn Kiệt</i>	<i>Student1420699</i>
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4.	<i>Trương Hoàng Nguyễn</i>	<i>Student1418253</i>

*Month: 7 Year: 2023*

This is to certify that

Mr. LÝ KHÁNH HÙNG

Mr. DƯƠNG TUẤN KIẾT

Mr. PHẠM AN HÀO

Mr. TRƯỜNG HOÀNG NGUYỄN

Have successfully Designed & Developed

**100D Barber**

Submitted by:

**Mr. LE THANH NHAN**

Date Of Issue:

Authorized Signature:

# Content

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# Acknowledge

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

- ✓ Practice step by step i.e. ladder 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.
- ✓ Learn implementation 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 and others student for the adorable supports during the time in project.

Beside several mistakes we had made in the project, we hope to have more opportunities to widen our knowledge in web developing world.

We also thank you so much for your information and the “demo” project from India APTECH to help us get more reality experience in this project. Since we have gained

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 02.

# Synopsis

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 barber shop website.

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**

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Problem Definition	<b>SWD/Form</b> No.01/PD/Ver1.0
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## Problem Definition

Our client owns an up-and-coming barbershop and wants to move it to the next level. The only way to get a haircut at the shop is to walk in and wait up to 1-2 hours for a haircut on a busy day which has caused many customers to be impatient and leave. The client wants to be more efficient with scheduling customer appointments, which will lead to better customer service. To boost efficiency and the customer experience, our client contacted us to help them develop a website. The main goal of this project is to allow a portal for customers to make appointments on the Internet, saving time and making the shop more organized. Other goals of this project are increased customer traffic due to the new online presence and broader communication to potential customers on services and prices. The client has also requested that their work is shown with customer reviews to establish authenticity.

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

- ✓ Provide function for customers register.
- ✓ Provide function for customers to booking services.
- ✓ Provide information of the product to customers.
- ✓ Provide shopping cart function so customers can order products.
- ✓ The customers can manage their information by Member Control Panel (MCP).
- ✓ Receive rating from customers to improve service quality as well as product quality.

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

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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Problem Definition	<b>SWD/Form</b> No.01/PD/Ver1.0
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✓ Administrators the ability to add, update product and employee information quickly and accurately.

✓ Administrators the ability to manage customers and view their order and rating.

The Role of User and Admin:

1. User:

✓ Can register as a member and manage personal account.

✓ Can book services.

✓ Can view and buy products.

✓ Can rate about products.

✓ Can view their orders.

2. Administrator

✓ Can add / edit / deactivate products and categories.

✓ Can view customer's information or deactivate an account.

✓ Can add / edit / delete employees.

✓ Can view all orders and rating.

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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Customer Requirements Specifications	<b>SWD/Form No.02/CRS/Ver1.0</b>
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## Customer Requirements Specifications

### User:

#### Input:

- Member registration data.
- View product's data.
- Order selected products.
- Rating about products/employees.

#### Process:

- Search products from database by categories, by product types.
- Process customer registration data.
- Process product's rating.
- Process customer orders (services/products).

#### Output:

- Notification of successful registration / failure.
- Product information.
- Notification of successful making order (services/products).

### Webmaster:

#### Input:

- Administrator login data .
- Product and employees data to add / edit / delete.
- Member data to be search / delete.
- Order data to view.

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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Customer Requirements Specifications	<b>SWD/Form</b> No.02/CRS/Ver1.0
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## Process:

- Add / edit / delete products/employees.
- View data of all members.
- View all orders.

## Output:

- Notification to add / edit / delete - products/employees - success / failure.
- Notification to delete members.

## Hardware / software requirement:

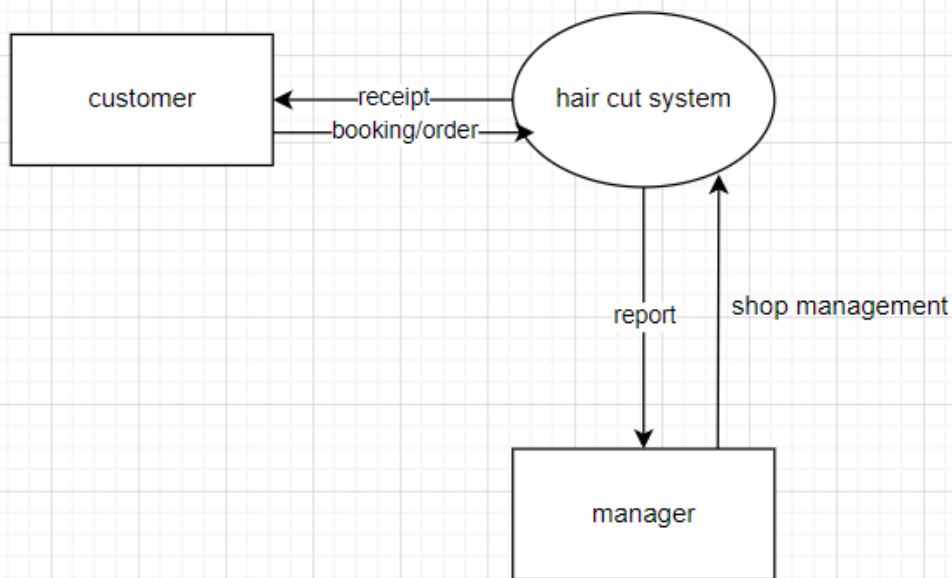
Sr.	Item	Description
1.	Operating system	Windows 7, 8 or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Firefox, Chrome, etc...
4.	Fonts	Standard font Unicode: Arial, Tahoma, Times New Roman, etc...
5.	Other requirement	NodeJS, Git, XAMPP 7.3 or later   A working internet connection.

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## **Review 02**

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Data Flow Diagram	<b>SWD/Form No.03/DFD/Ver1.0</b>
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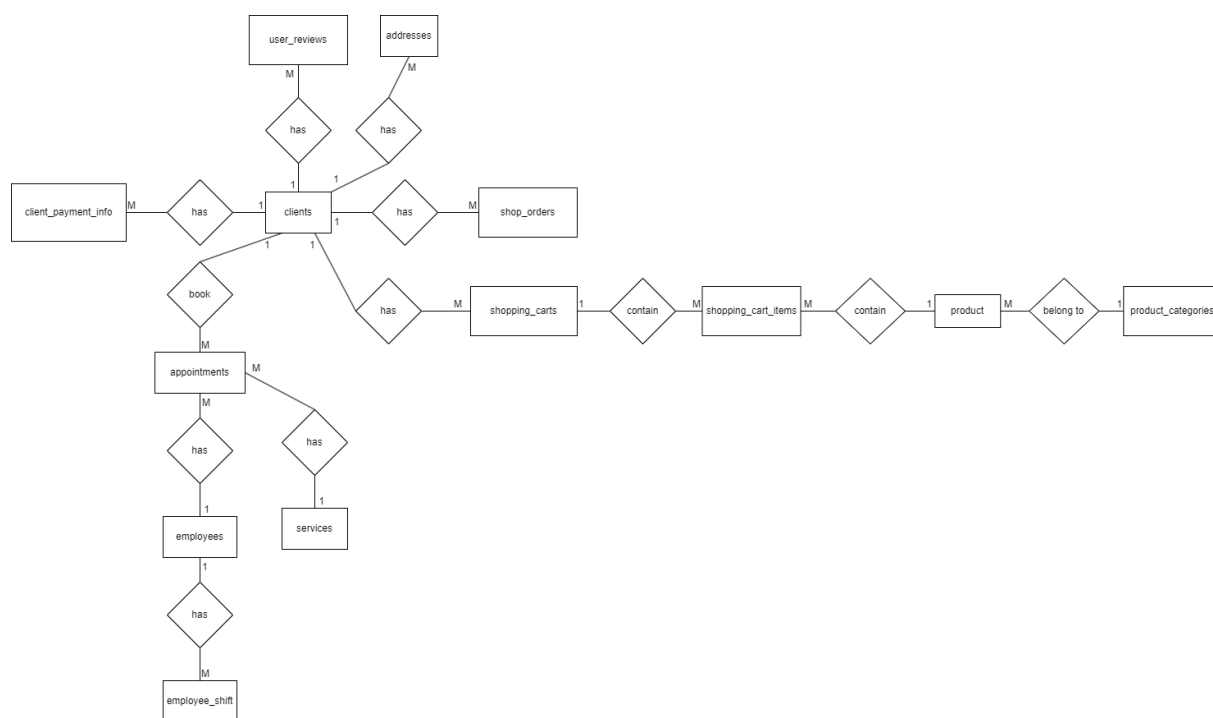
## Data Flow Diagram



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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Entity Relationship Diagram	<b>SWD/Form No.04/ERD/Ver1.0</b>
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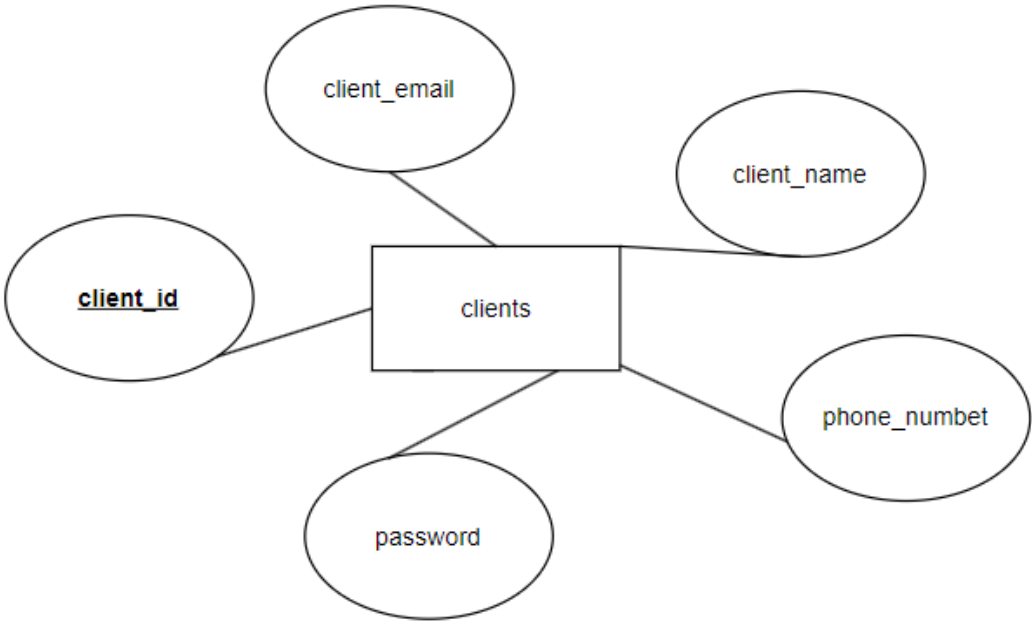
## A. Entity Relationship Diagram



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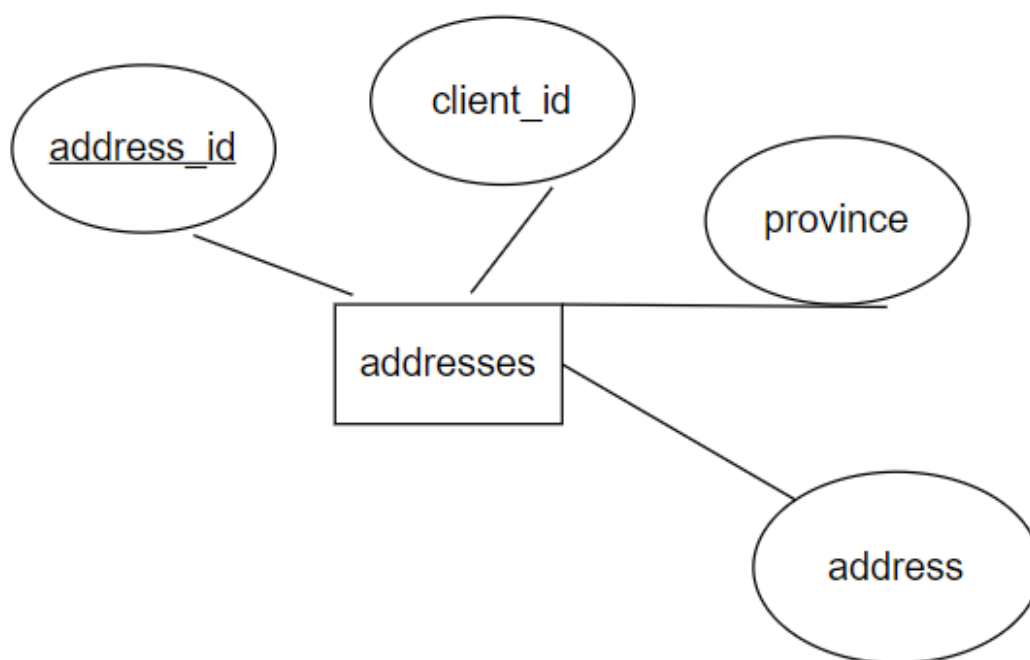
<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Entity Attributes	<b>SWD/Form</b> No.05/TAB/Ver1.0
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# B. Entity Attributes



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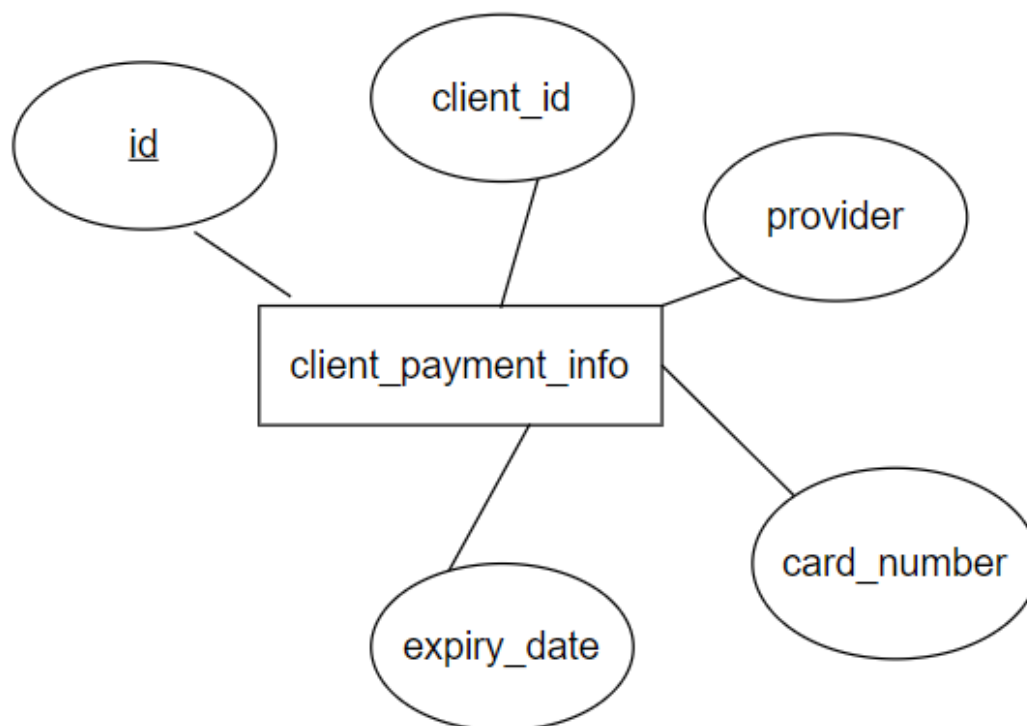
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<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 9 of 44



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<b>Date</b>		

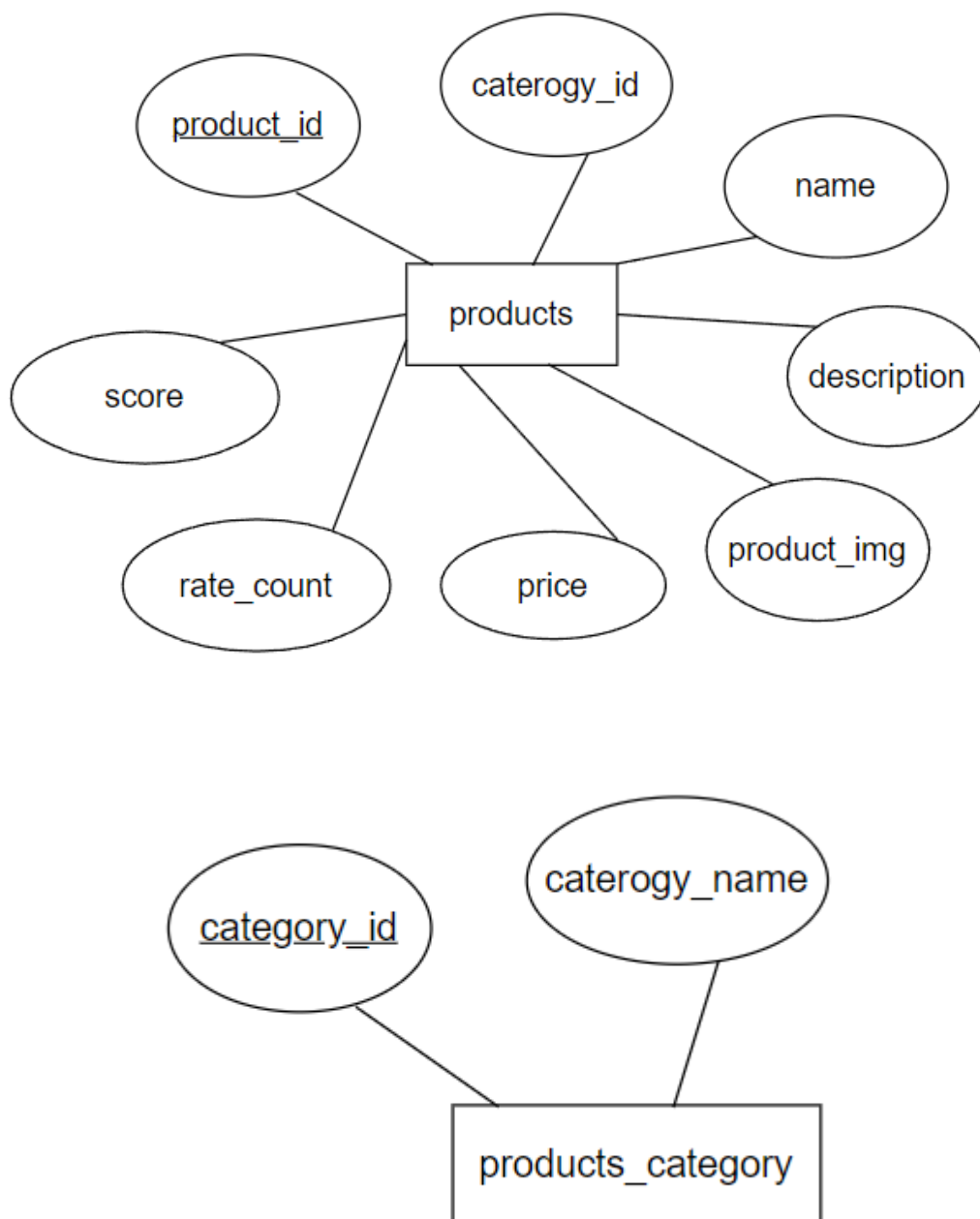


<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Entity Attributes	<b>SWD/Form</b> No.05/TAB/Ver1.0
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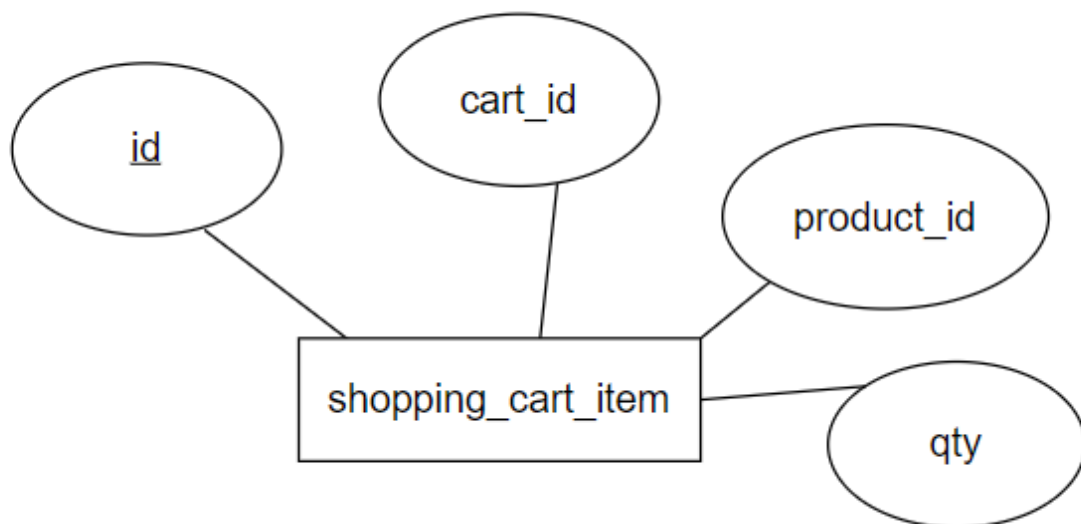
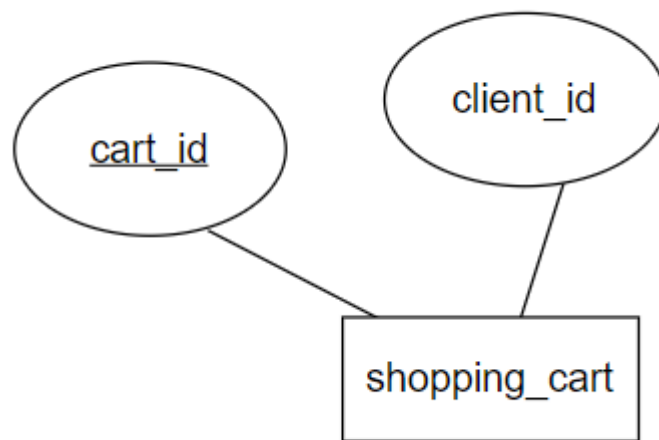
	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
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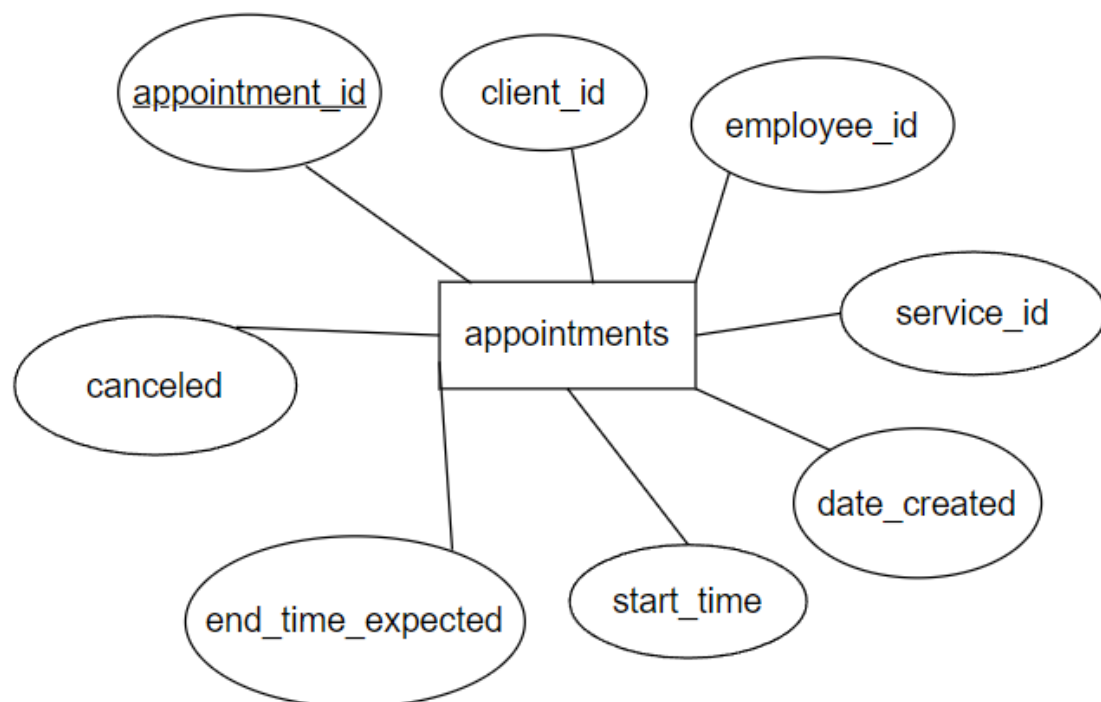
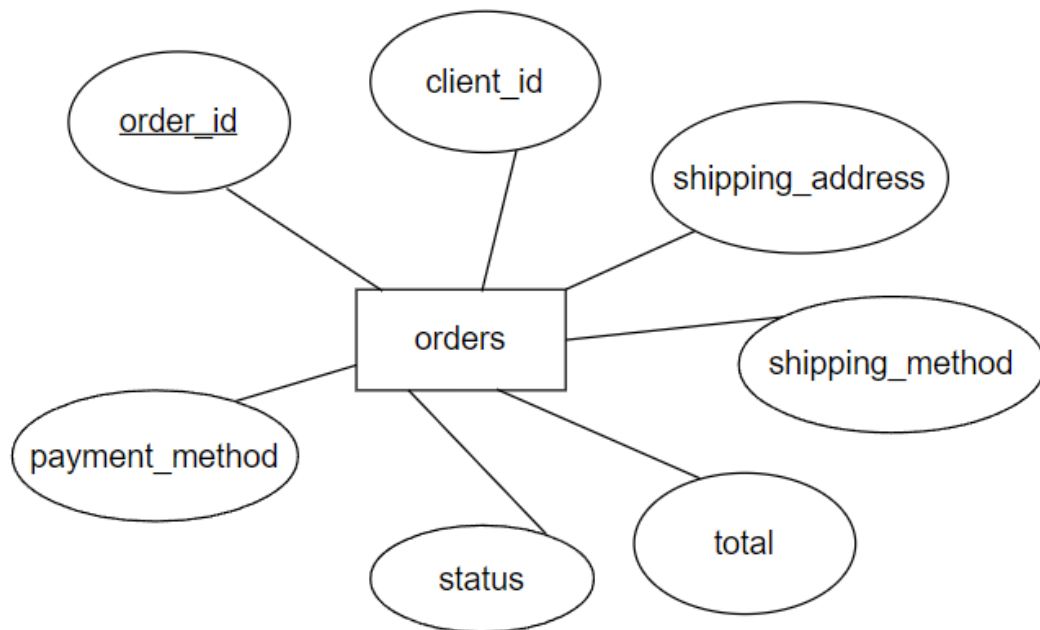
	<b>Prepared by (Student)</b> Project Group No: 2	<b>Approved by (Faculty)</b> LE THANH NHAN
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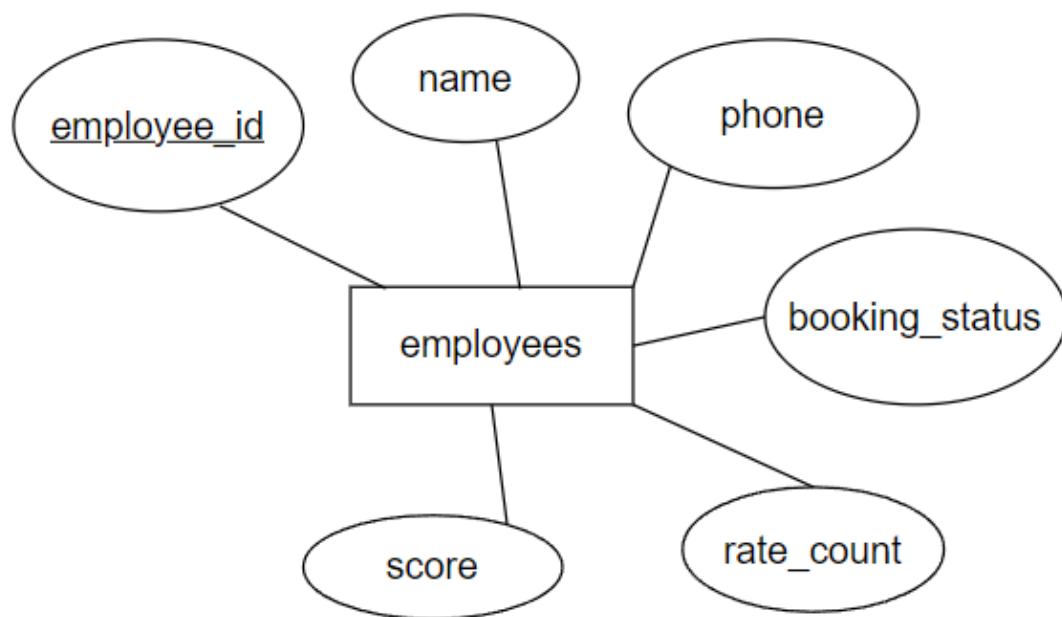
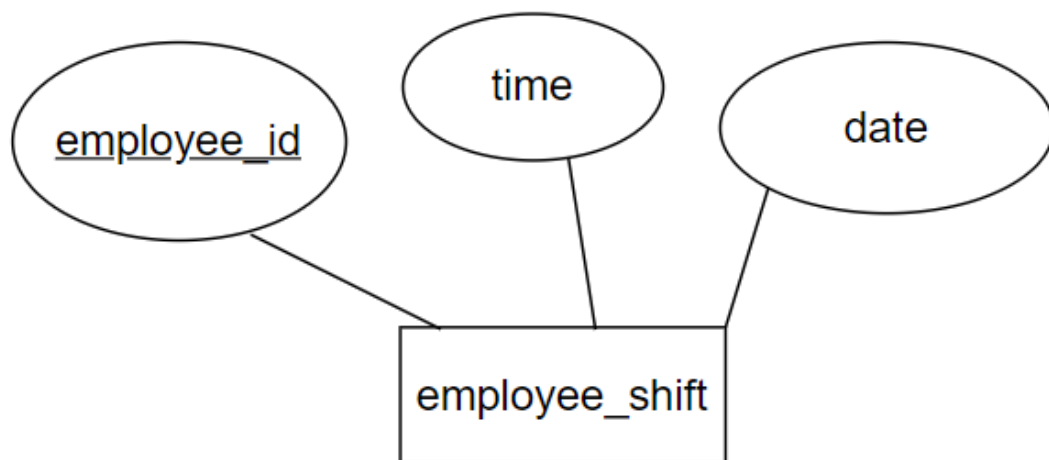
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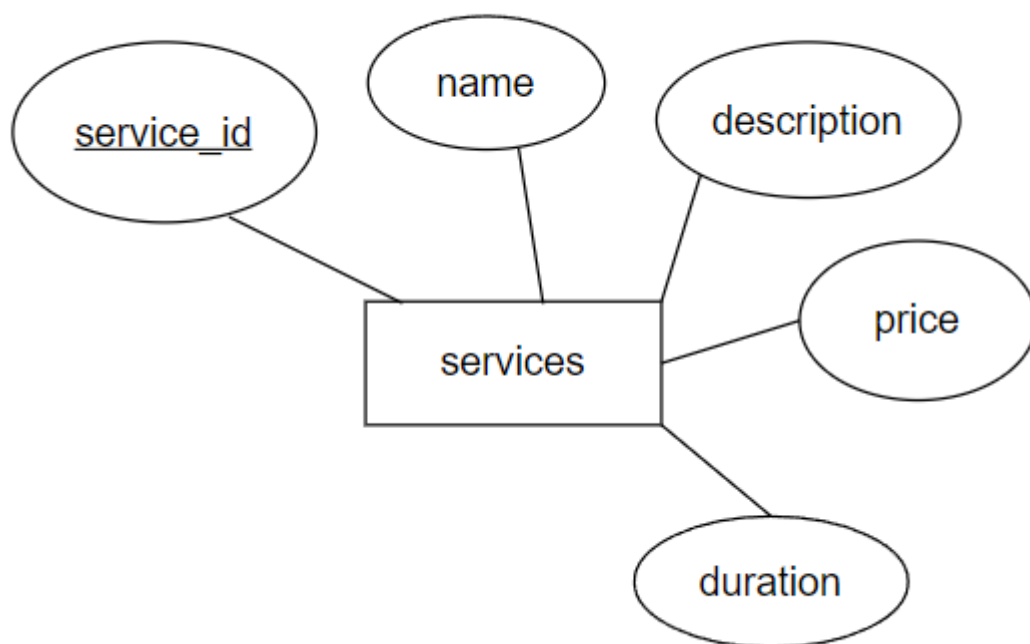
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## A. Table Design

clients					
Serial	Fields	Data type	Keys	Constrains	Description
1	client_id	int(5)	Primary key	NOT NULL	Client identification
2	client_email	varchar(50)		NOT NULL	Client's email
3	client_name	varchar(40)		NOT NULL	Client's name
4	phone_number	varchar(30)		NOT NULL	Client's phone number
5	password	varchar(50)		NOT NULL	Password to login

addresses					
Serial	Fields	Data type	Keys	Constrains	Description
1	address_id	int(50)	Primary key	NOT NULL	Address identification
2	client_id	Int(50)	Foreign key	NOT NULL	Client identification
3	province	varchar(100)		NOT NULL	

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4	address	varchar(100)		NOT NULL	clients' detail address
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client_payment_info					
Serial	Fields	Data type	Keys	Constrains	Description
1	id	int(50)	Primary key	NOT NULL	
2	client_id	int(50)	Foreign key	NOT NULL	Client identification
3	provider	varchar(40)		NOT NULL	
4	card_number	varchar(23)		NOT NULL	
5	expiry_date	varchar(15)		NOT NULL	

products					
Serial	Fields	Data type	Keys	Constrains	Description
1	product_id	int(50)	Primary key	NOT NULL	Product identification
2	category_id	int(50)	Foreign key	NOT NULL	Category identification
3	name	varchar(100)		NOT NULL	
4	description	varchar(100)		NOT NULL	
5	product_image	varchar(100)		NOT	

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<b>Date</b>		



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				NULL	
6	price	decimal(10,2)		NOT NULL	
7	rate_count	int(100)		NOT NULL DEFAULT 0	increment by 1 each time a customer rate
8	score	decimal(10,1)		NOT NULL DEFAULT 0	increment 1 to 5 based on customer rate

product_categories					
Serial	Fields	Data type	Keys	Constrains	Description
1	category_id	int(50)	Primary key	NOT NULL	
2	category_name	varchar(100)		NOT NULL	

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shopping_cart					
Serial	Fields	Data type	Keys	Constrains	Description
1	cart_id	int(50)	Primary key	NOT NULL	Cartt identification
2	client_id	int(50)	Foreign key	NOT NULL	Client identification

shopping_cart_item					
Serial	Fields	Data type	Keys	Constrains	Description
1	id	int(50)	Primary key	NOT NULL	
2	cart_id	int(50)	Foreign key	NOT NULL	Cart identification
3	product_id	int(50)	Foreign key	NOT NULL	
4	qty	int(20)		NOT NULL	

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orders					
Serial	Fields	Data type	Keys	Constrains	Description
1	order_id	int(100)	Primary key	NOT NULL	
2	client_id	int(50)	Foreign key	NOT NULL	Client identification
3	shipping_address	varchar(100)		NOT NULL	
4	shipping_method	varchar(50)		NOT NULL	
5	total	decimal(10,2)		NOT NULL	
6	status	varchar(30)		NOT NULL DEFAULT 'unfinished'	
7	payment_method	varchar(50)		NOT NULL	

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<b>Date</b>		

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appointments					
Serial	Fields	Data type	Keys	Constrains	Description
1	appointment_id	int(5)	Primary key	NOT NULL	
2	date_created	timestamp		NOT NULL DEFAULT '0000-00- 00 00:00:00'	
3	client_id	int(5)		NOT NULL	
4	employee_id	int(2)	Foreign key	NOT NULL	
5	start_time	timestamp		NOT NULL DEFAULT '0000-00- 00 00:00:00'	
6	end_time_expected	timestamp		NOT NULL DEFAULT '0000-00- 00	

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<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Table Desgin	<b>SWD/Form</b> No.05/TAB/Ver1.0
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				00:00:00'	
7	canceled	tinyint(1)		NOT NULL DEFAULT 0	
	cancellation_reason	text		DEFAULT NULL	

employees					
Serial	Fields	Data type	Keys	Constrains	Description
1	employee_id	int(50)	Primary key	NOT NULL	
2	first_name	varchar(20)		NOT NULL	
3	last_name	varchar(20)		NOT NULL	
4	phone_number	varchar(30)		NOT NULL	
5	email	varchar(50)		NOT NULL	
6	rate_count	int(100)		NOT NULL DEFAULT 0	
7	score	decimal(10,1)		NOT	

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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Table Desgin	<b>SWD/Form</b> No.05/TAB/Ver1.0
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				NULL DEFAULT 0	
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services					
Serial	Fields	Data type	Keys	Constrains	Description
1	service_id	int(5)	Primary key	NOT NULL	
2	service_name	varchar(50)		NOT NULL	
3	service_description	varchar(255)		NOT NULL	
4	service_price	decimal(6,2)		NOT NULL	
5	service_duration	int(5)		NOT NULL	

employee_shift					
Serial	Fields	Data type	Keys	Constrains	Description
1	employee_id	int(10)	Primary key	NOT NULL	
2	time	varchar(50)		NOT NULL	
3	date	date		NOT	

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<b>Date</b>		

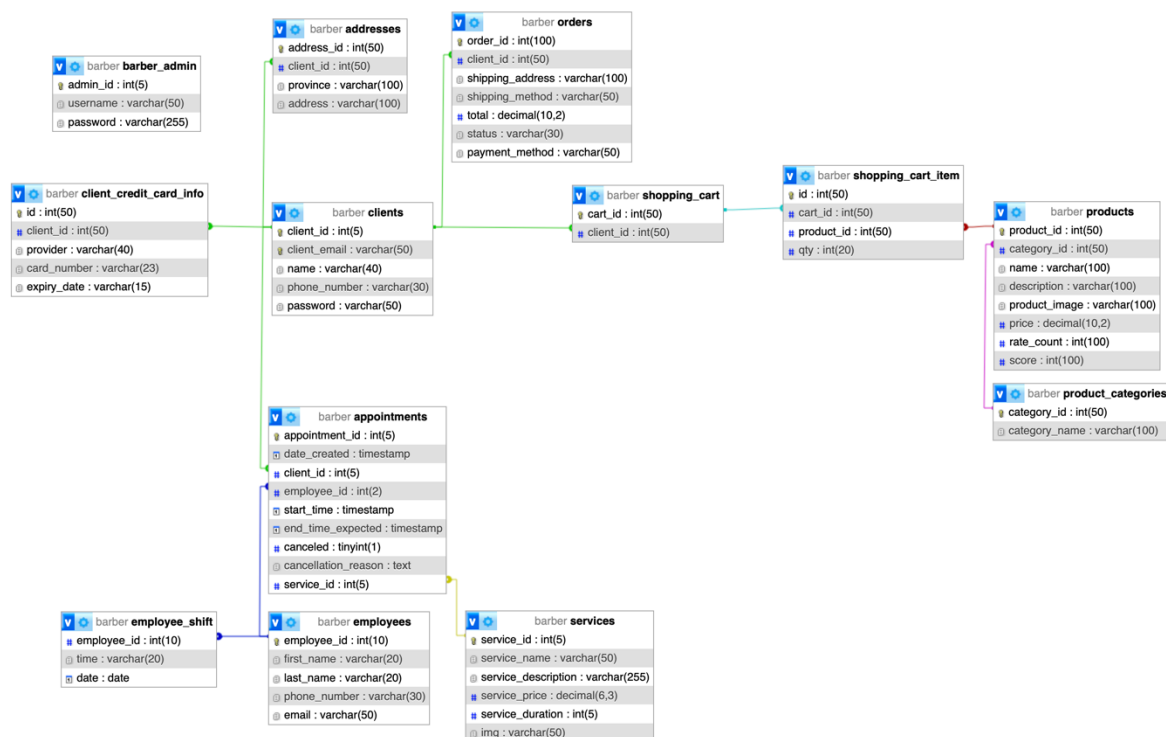
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				NULL	
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<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Relationship Diagram	<b>SWD/Form No.05/TAB/Ver1.0</b>
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## B. Relationship Diagram

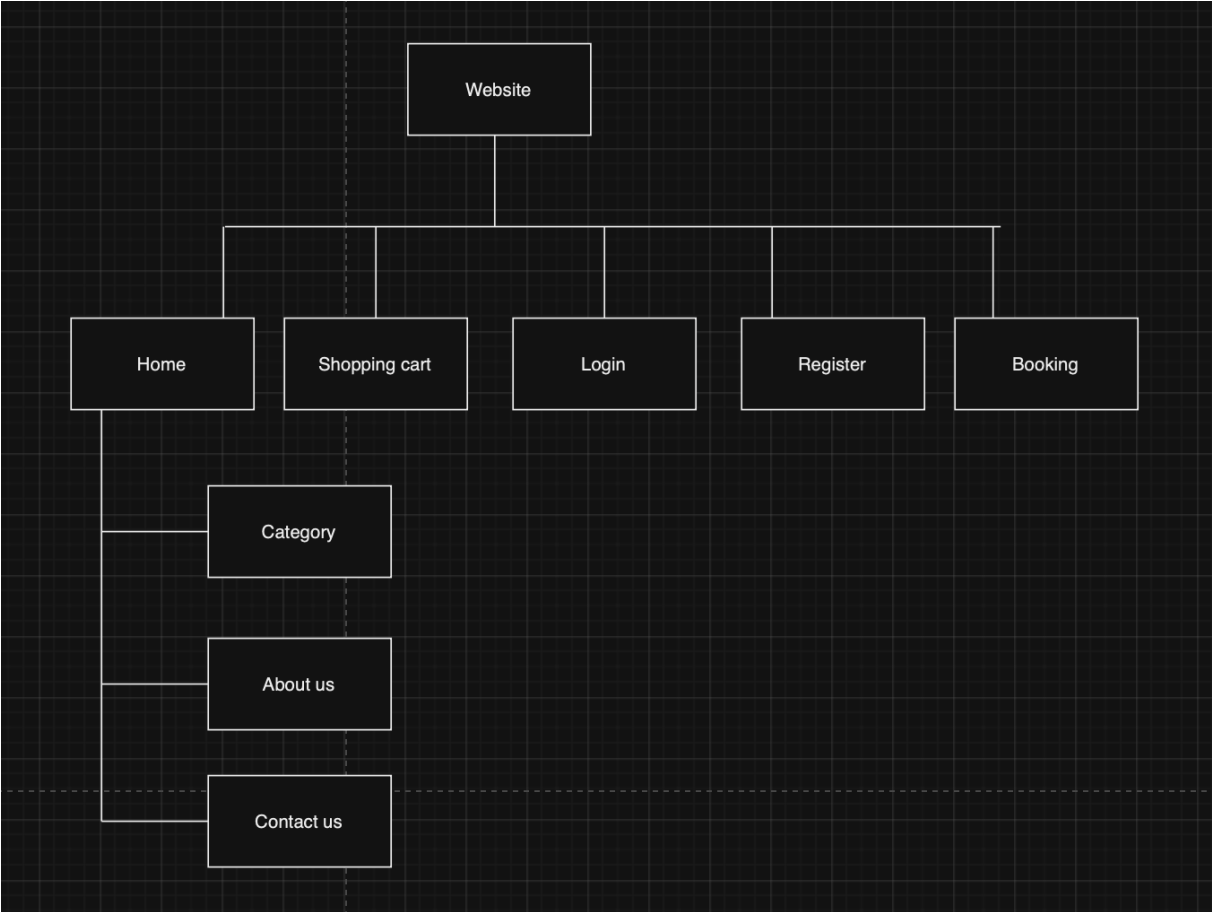


	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No: 2</b>	<b>LE THANH NHAN</b>
<b>Signature</b>		
<b>Date</b>		



<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> SiteMap	<b>SWD/Form</b> No.06/SM/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 26 of 44

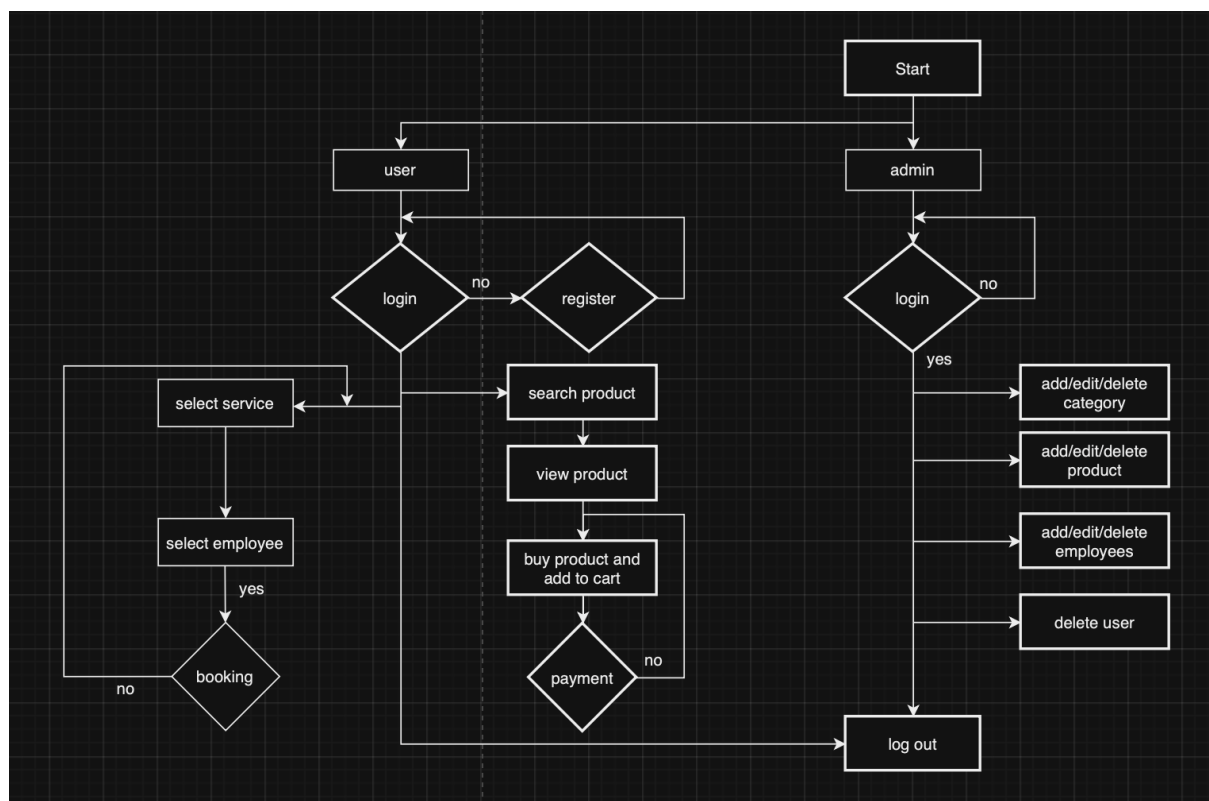
# SiteMap



	<b>Prepared by (Student)</b> Project Group No: 2	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Algorithm	<b>SWD/Form No.07/ALG/Ver1.0</b>
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 27 of 44

# Algorithm



	<b>Prepared by (Student)</b> <b>Project Group No: 2</b>	<b>Approved by (Faculty)</b> <b>LE THANH NHAN</b>
<b>Signature</b>		
<b>Date</b>		

## **Review 03**

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 29 of 44

## Screen shots

### I. Register page:

**Description** : Register a new account

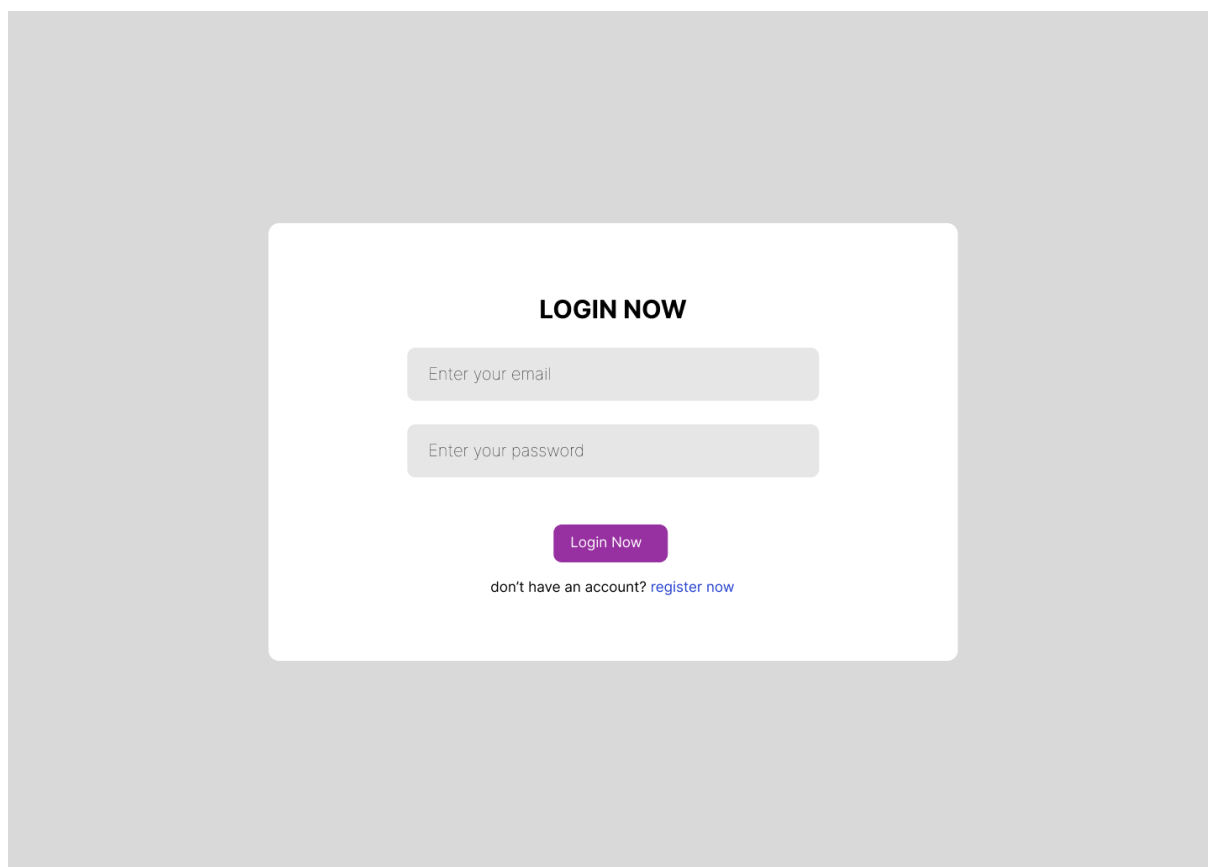
**From** : Access from login page if not registered

**To** : Login page after creating an account

	<b>Prepared by (Student)</b> <b>Project Group No: 2</b>	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 30 of 44

## II. Login page:



**Description** : Login to Homepage

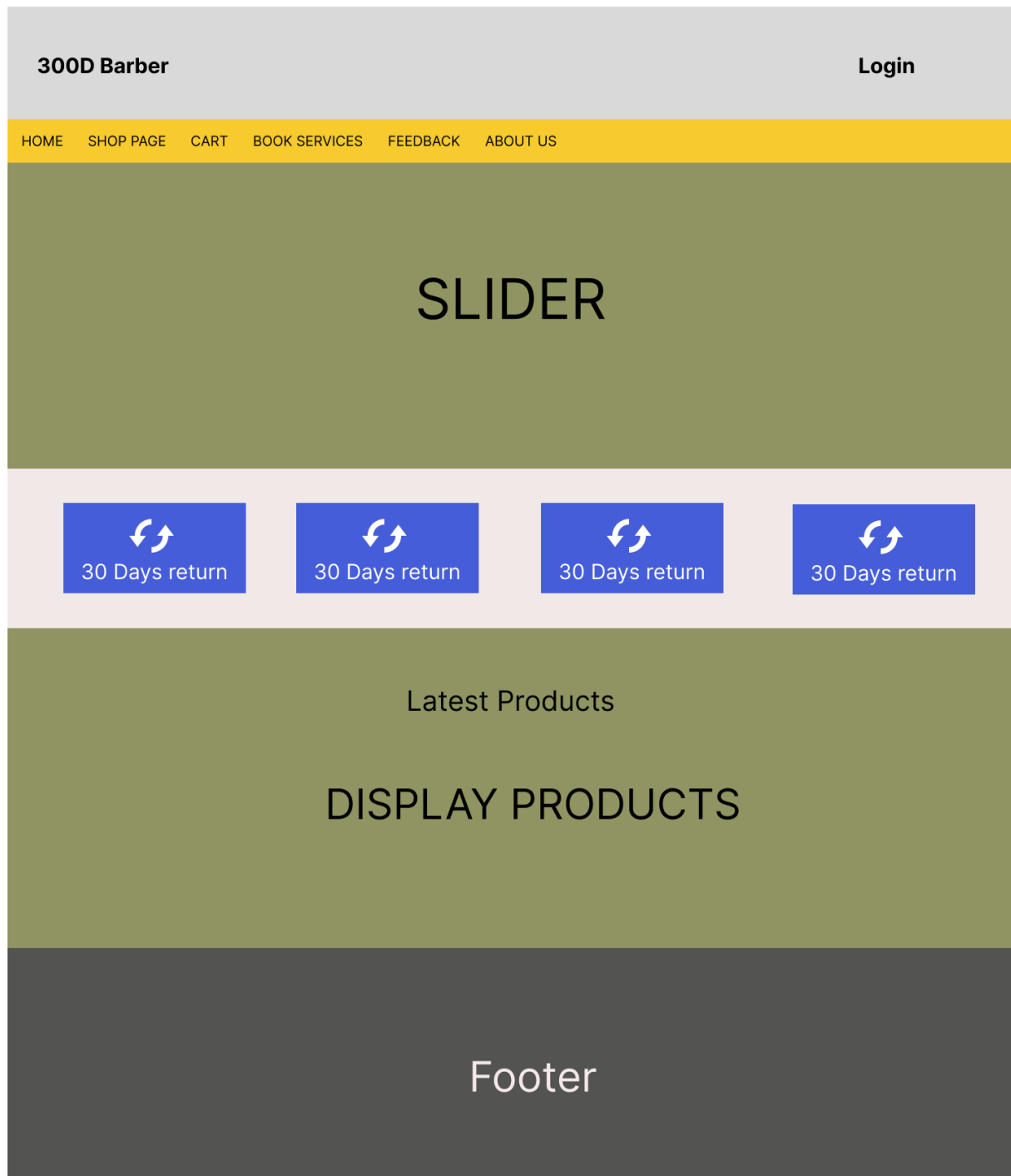
**From** : Homepage if not logged-in

**To** : Homepage if log in successfully

## III. Homepage:

	<b>Prepared by (Student)</b> Project Group No: 2	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 31 of 44



**Description** : Home page with navigation panel and login button

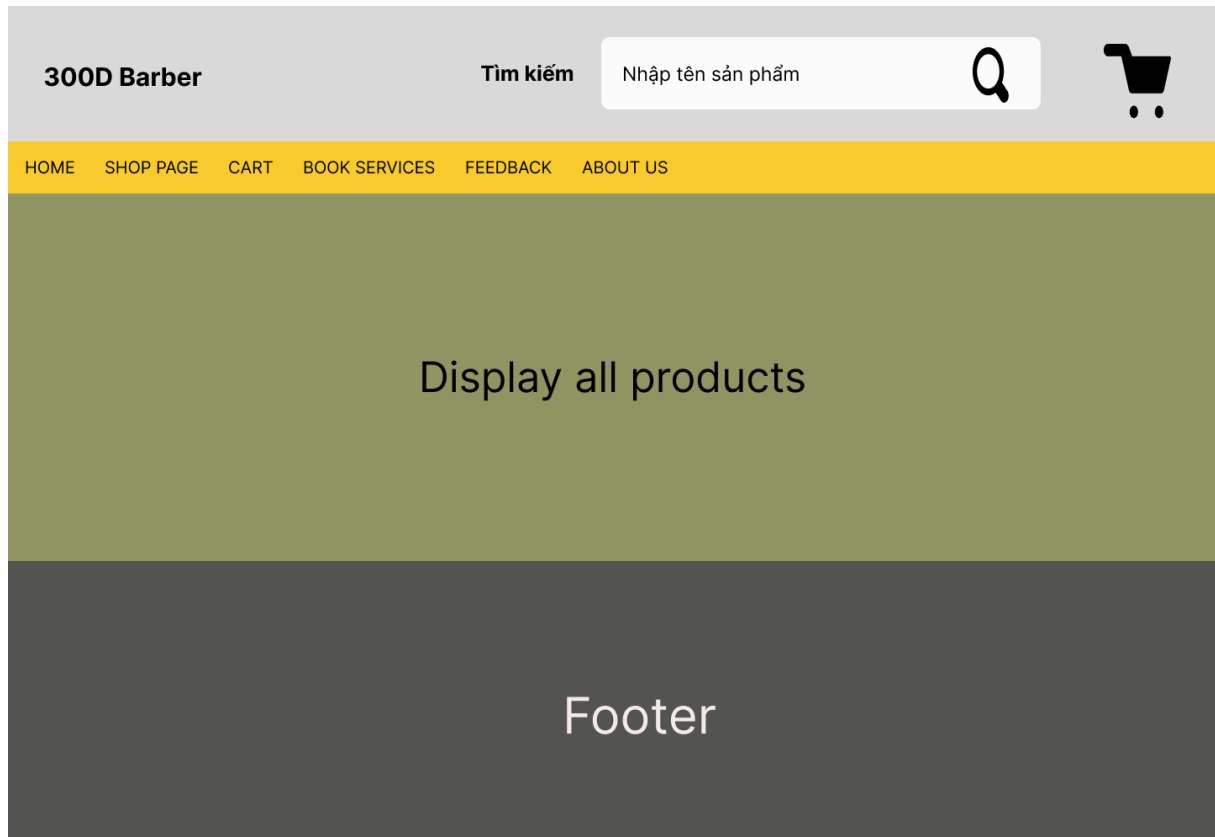
**From** : This is the index page

**To** : All other pages with the navigation panel

	<b>Prepared by (Student)</b> Project Group No: 2	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 32 of 44

#### IV. Shopping page:



**Description** : Displaying all products for sale


**From** : Homepage

**To** : Can go to Cart\_page as well as all other pages through the navigation panel


#### V. Cart\_page:













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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 33 of 44

**300D Barber**
 **\$200**

[HOME](#)
[SHOP PAGE](#)
[CART](#)
[BOOK SERVICES](#)
[FEEDBACK](#)
[ABOUT US](#)

 Cart 4

Product	Price	Quantity	Subtotal	
 Samsung Galaxy S9	\$698.88	<input type="text" value="1"/>	\$698.88	 
 Apple iPhone X	\$983.00	<input type="text" value="1"/>	\$983	 
 LG V10 H900	\$159.99	<input type="text" value="1"/>	\$159.99	 
 HTC One M10	\$129.99	<input type="text" value="1"/>	\$129.99	 
<b>Total 1971.86</b>				

[< Continue Shopping](#)
**Total \$1971.86**

Footer

**Description** : Showing all selected product. User can add/change quantity/delete products

**From** : (1)Shopping\_page by clicking the shopping cart icon or (2) through the navigation panel

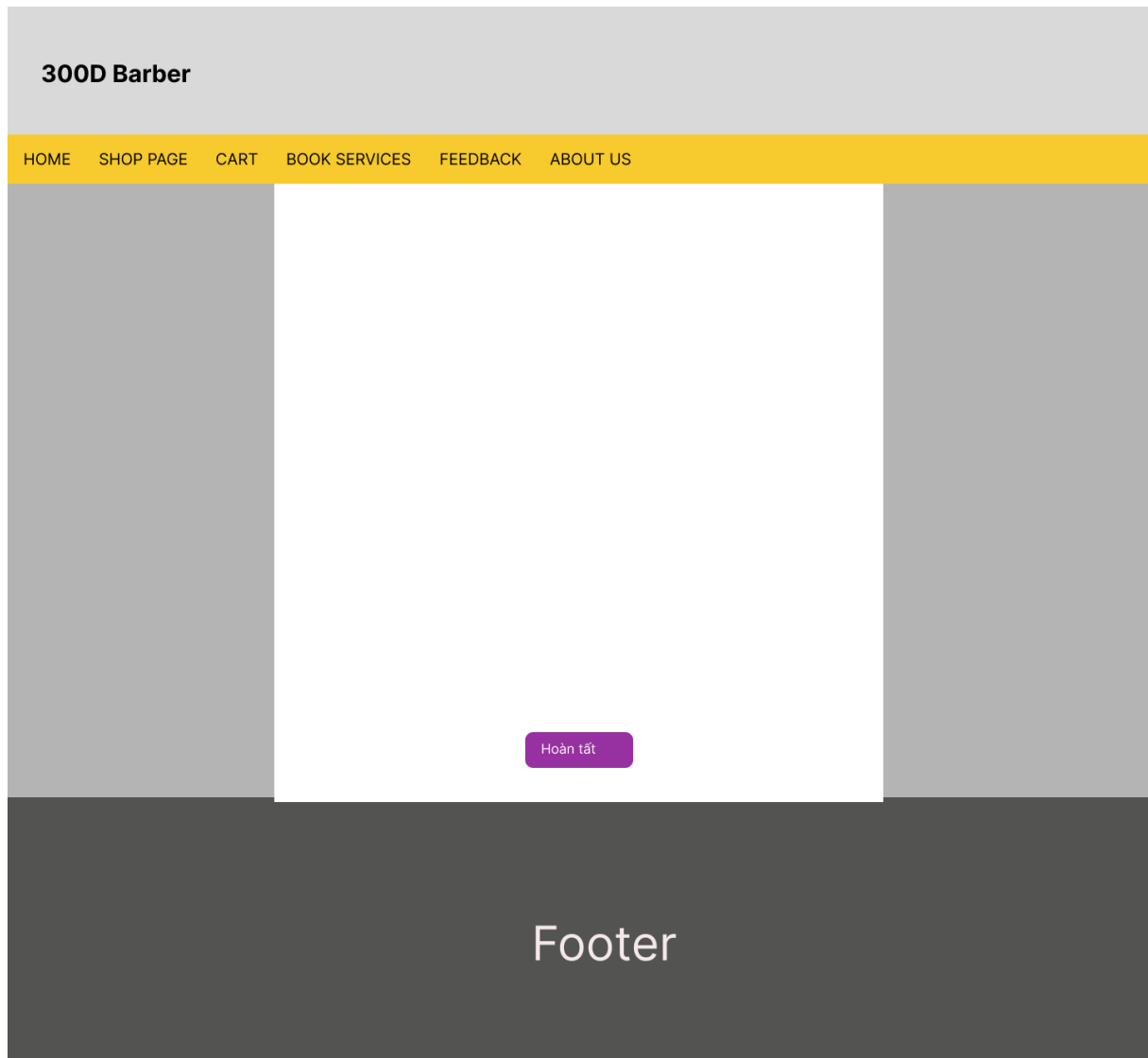
	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No: 2</b>	LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		



<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Screen shots	<b>SWD/Form</b> No.08/SS/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 34 of 44

**To** :

## VI. Booking page:



**Description** : Book hair cut services

**From** : Navigation panel

**To** :

	<b>Prepared by (Student)</b> Project Group No: 2	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Testing document	<b>SWD/Form</b> No.09/TD/Ver1.0
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 35 of 44

## Testing document

Sr.No	Features Tested	Remarks
1	email	Required, unique, must be email format (xxx@xxx.xxx.xxx)
2	phone number	Required, digit only, less than 12 digits
3	province	Required
4	detail address	Required
5	card expiry date	Required, 4 digits only
6		

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<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Final checklist	<b>SWD/Form No.10/FC/Ver1.0</b>
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No:</b> 36 of 44

## Final checklist

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

	<b>Prepared by (Student)</b> <b>Project Group No: 2</b>	<b>Approved by (Faculty)</b> LE THANH NHAN
<b>Signature</b>		
<b>Date</b>		

<b>Design Plan:</b> 100D Barber	<b>Document Name:</b> Task Sheet	<b>SWD/Form No.11/TS/Ver1.0</b>
<b>Effective Date:</b> 10/07/2023	<b>Version</b> 1.0	<b>Page No: 37 of 44</b>

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planned Start Date	Actual Start Date	Actual Days	Status
1	Lý Khánh Hưng	Admin	<i>Employees Management</i>	Appointments, Employees, Services, Employee_shift	10/07/2023	11/07/2023	30	OK
2					10/07/2023	11/07/2023	30	OK
3		User	<i>Booking</i>		10/07/2023	11/07/2023	30	OK
4			<i>Select services, employee</i>		10/07/2023	11/07/2023	30	OK
1	Dương Tuấn Kiệt	Admin	<i>Orders display</i>	Shopping_cart, Shopping_cart_item, Orders	10/07/2023	11/07/2023	30	OK
2					10/07/2023	11/07/2023	30	OK
3					10/07/2023	11/07/2023	30	OK
4		User	<i>Online shopping</i>		10/07/2023	11/07/2023	30	OK
1	Phạm An Hào	Admin	<i>Products Management</i>	Products, Product_category	10/07/2023	11/07/2023	30	OK
2					10/07/2023	11/07/2023	30	OK
3		User	<i>Products display</i>		10/07/2023	11/07/2023	30	OK
4					10/07/2023	11/07/2023	30	OK
1	Trương Hoàng Nguyên	Admin	<i>Clients Management</i>	Clients, Addresses, Client_payment_methods	10/07/2023	11/07/2023	30	OK
2					10/07/2023	11/07/2023	30	OK
3		User	<i>Register, Login</i>		10/07/2023	11/07/2023	30	OK
4			<i>Update client information</i>		10/07/2023	11/07/2023	30	OK

	<b>Prepared by (Student)</b>	<b>Approved by (Faculty)</b>
	<b>Project Group No: 2</b>	<b>LE THANH NHAN</b>
<b>Signature</b>		
<b>Date</b>		