FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

100D Barber

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2209.M0*

Group No: *02*

Order:	**Full name**	**Roll No.**
1.	*Lý Khánh Hưng*	*Student1420710*
2.	*Dương Tuấn Kiệt*	*Student1420699*
3.	*Phạm An Hào*	*Student1416036*
4.	*Trương Hoàng Nguyên*	*Student1418253*

***Month**: 7 **Year**: 2023*

This is to certify that

Mr. **LÝ KHÁNH HƯNG**

Mr. **DƯƠNG TUẤN KIỆT**

Mr. **PHẠM AN HÀO**

Mr. **TRƯƠNG HOÀNG NGUYÊN**

Have successfully Designed & Developed

100D Barber

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synposis

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Tasksheet 1

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. 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.

✓ 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

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:

✓ 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.

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.

Process:

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

- View all orders.

Output:

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

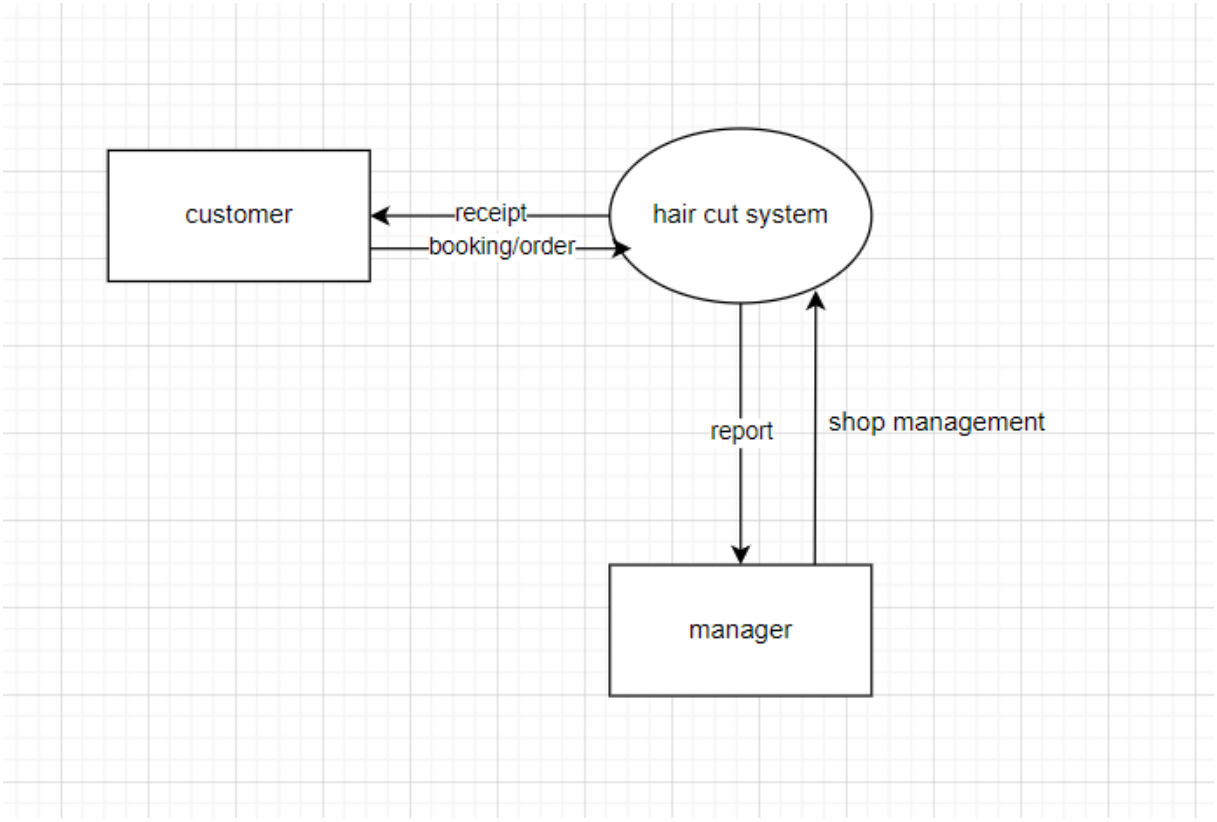
- Notification to delete members.

Hardware / software requirement:

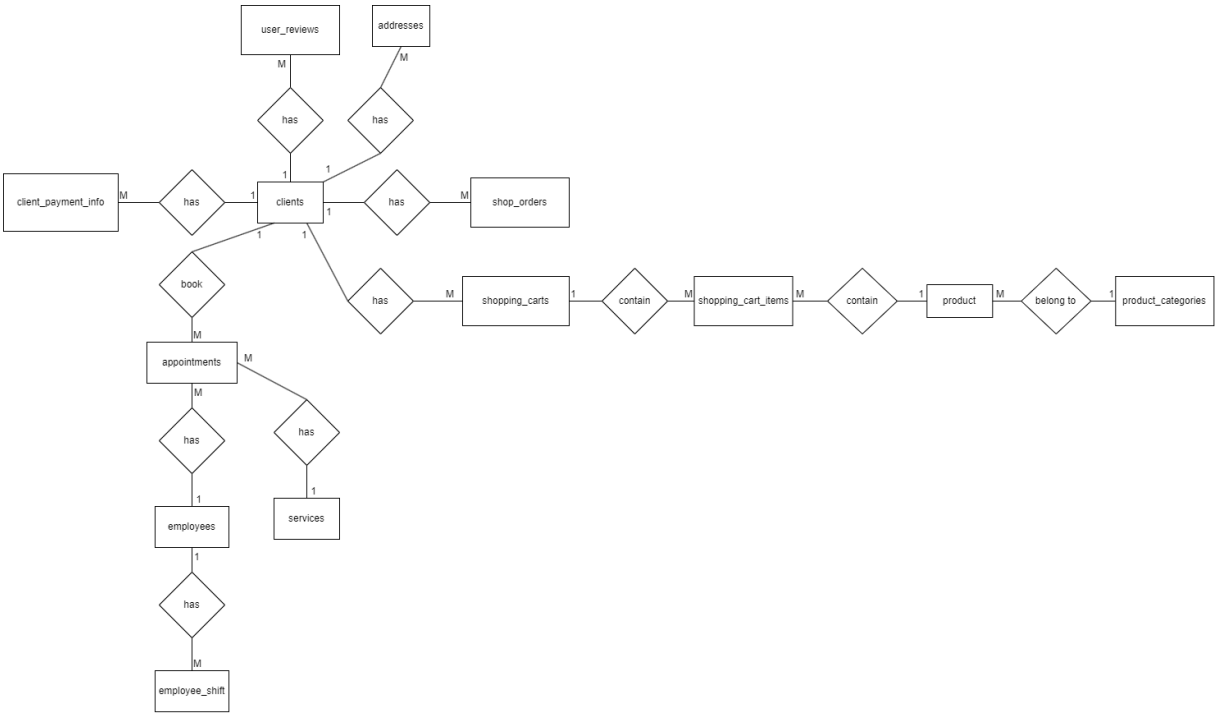
Sr.	Item	Description
1.	Operating system	Windows 7, 8 or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Firefox, Chrome, etc…
4.	Fonts	Standard font Unicode: Arial, Tahoma, Times New Roman, etc…
5.	Other requirement	NodeJS, Git, XAMPP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

Review 02

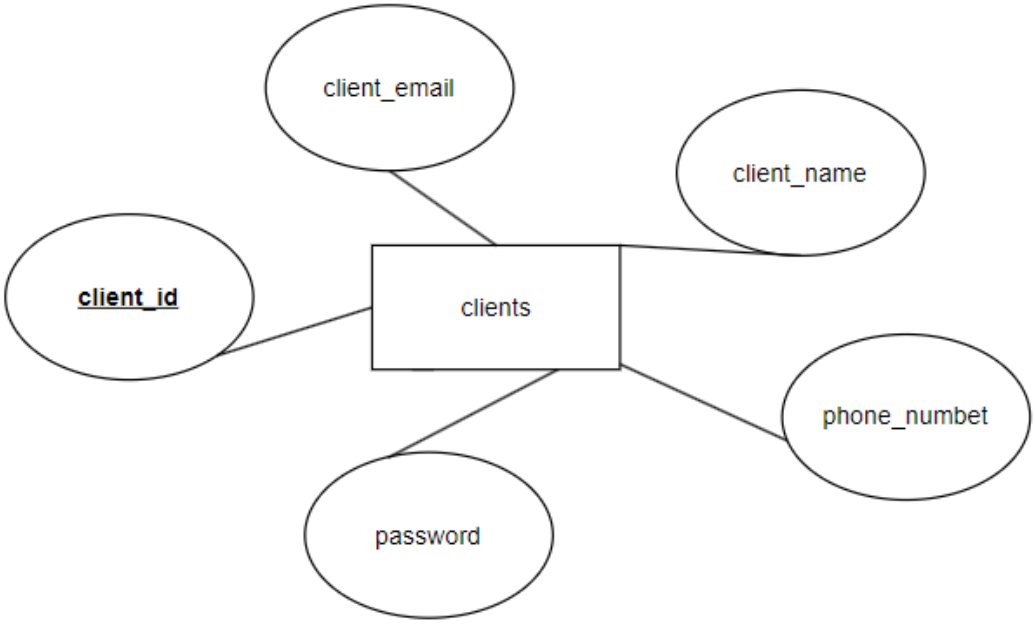
Data Flow Diagram

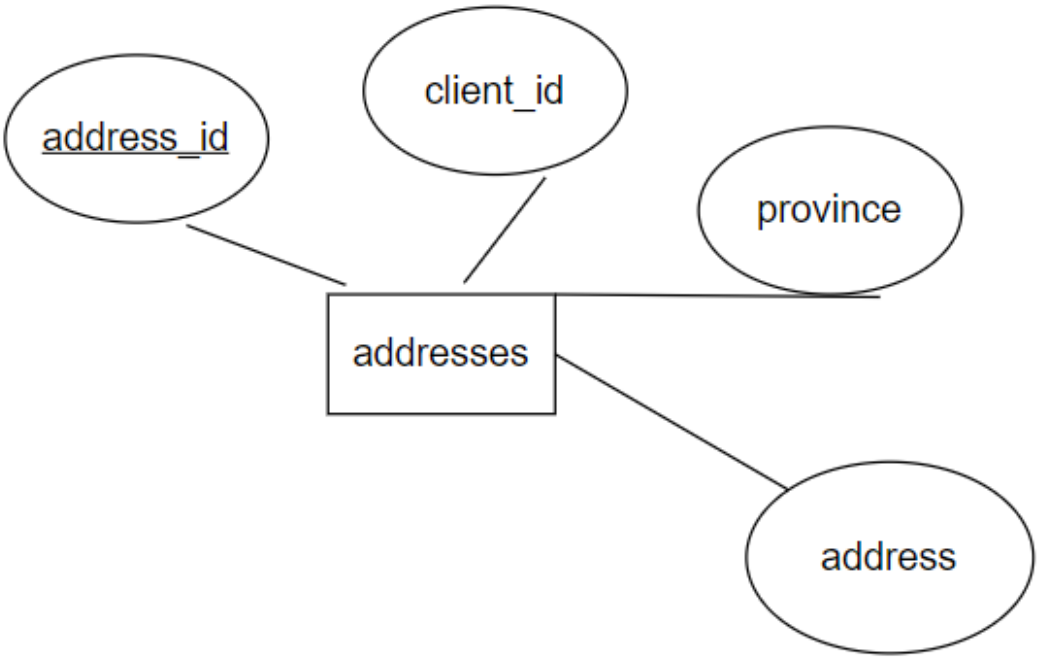


A. Entity Relationship Diagram



B. Entity Attributes

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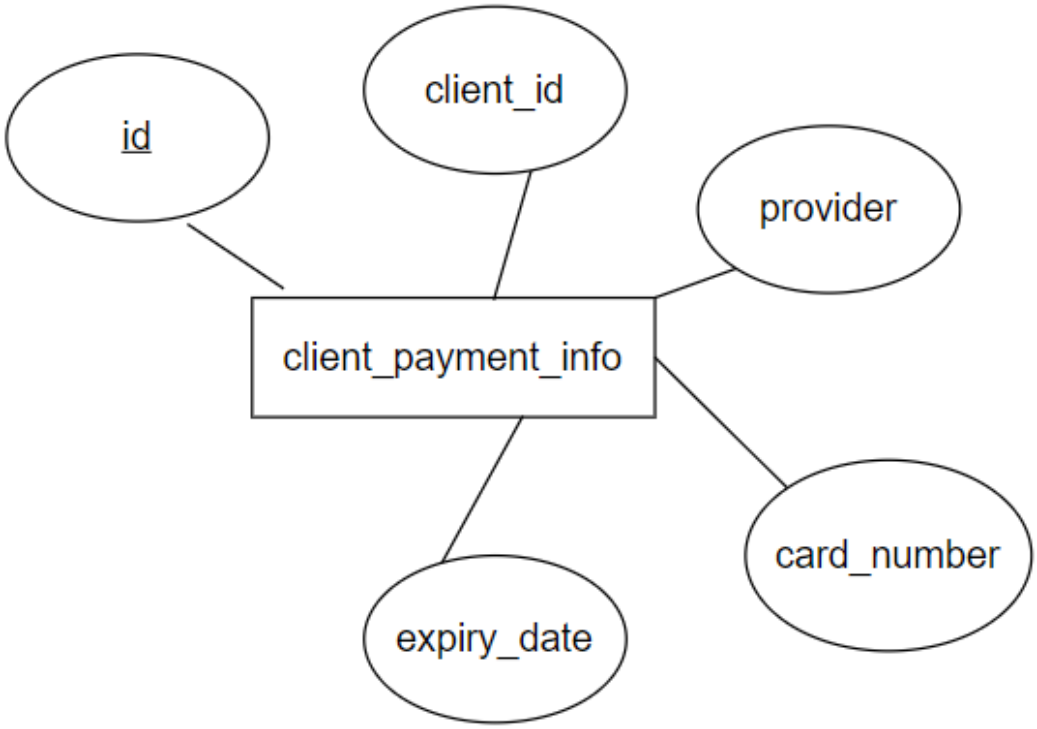
client_id
province
addresses
address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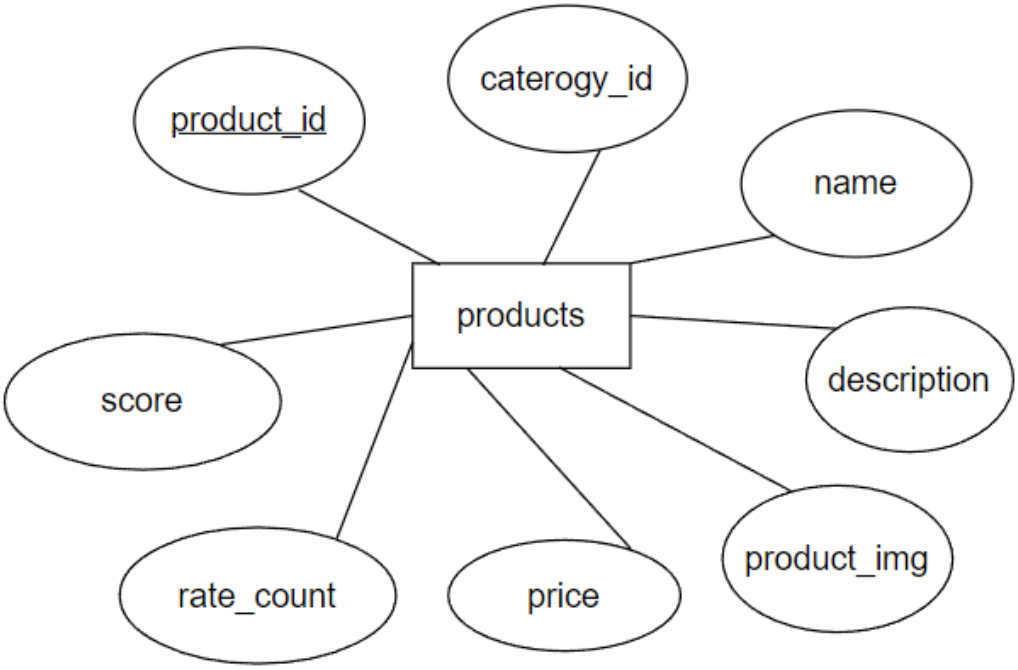
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name
products
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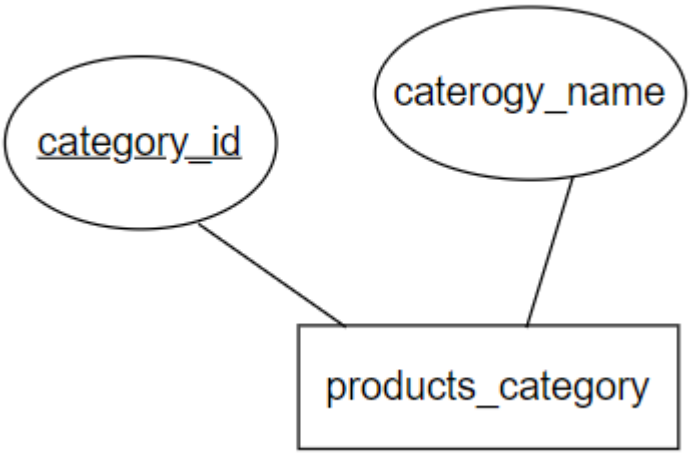
description
rate_count
price
product_img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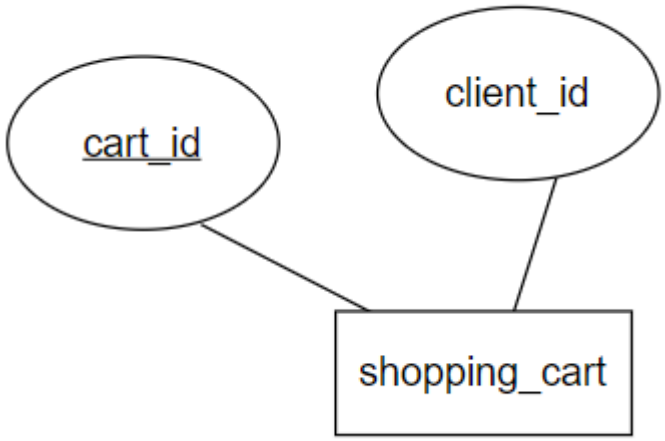
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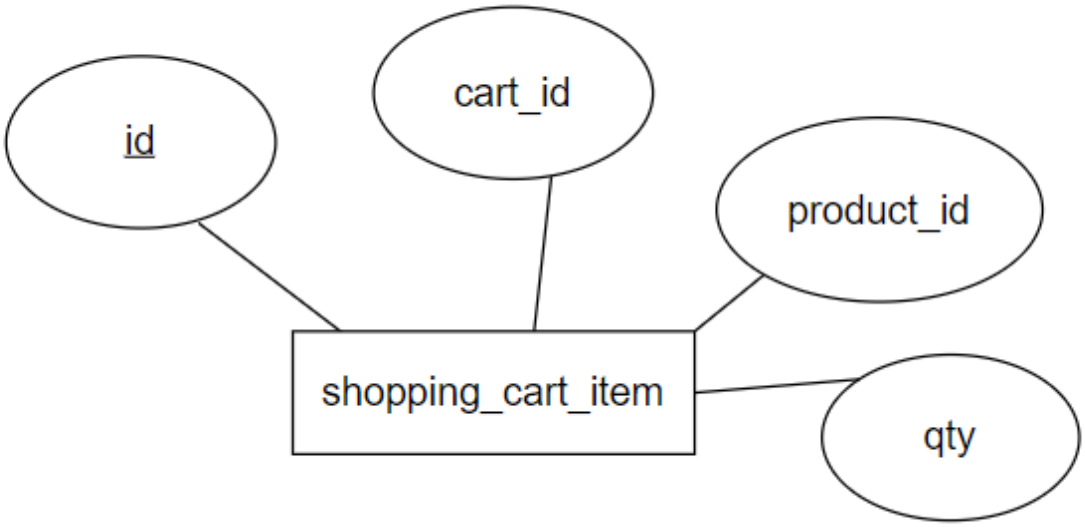
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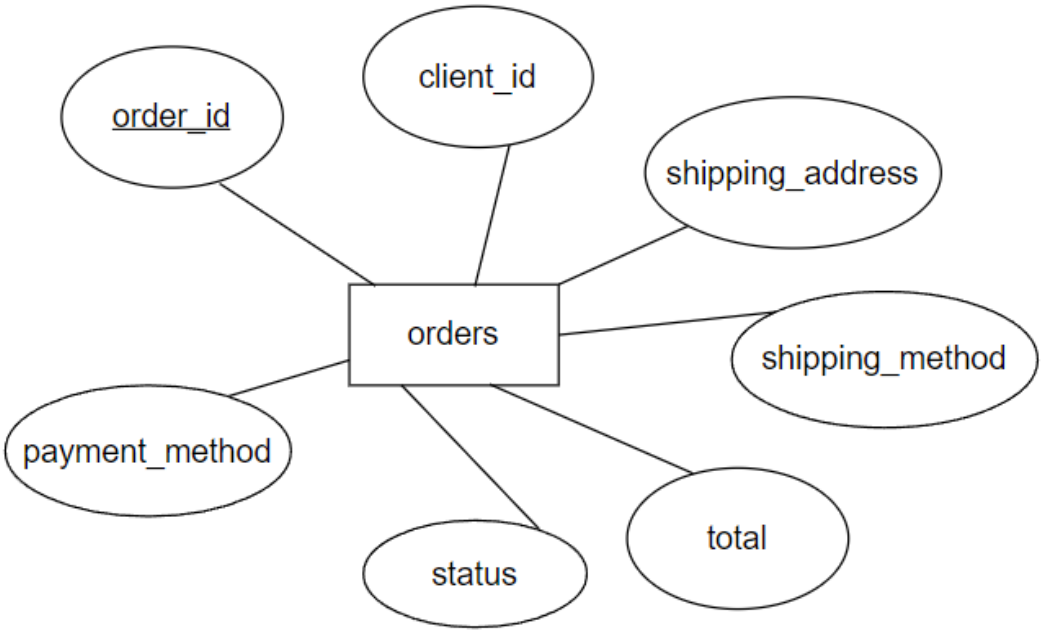
product_id
shopping_cart_item
qty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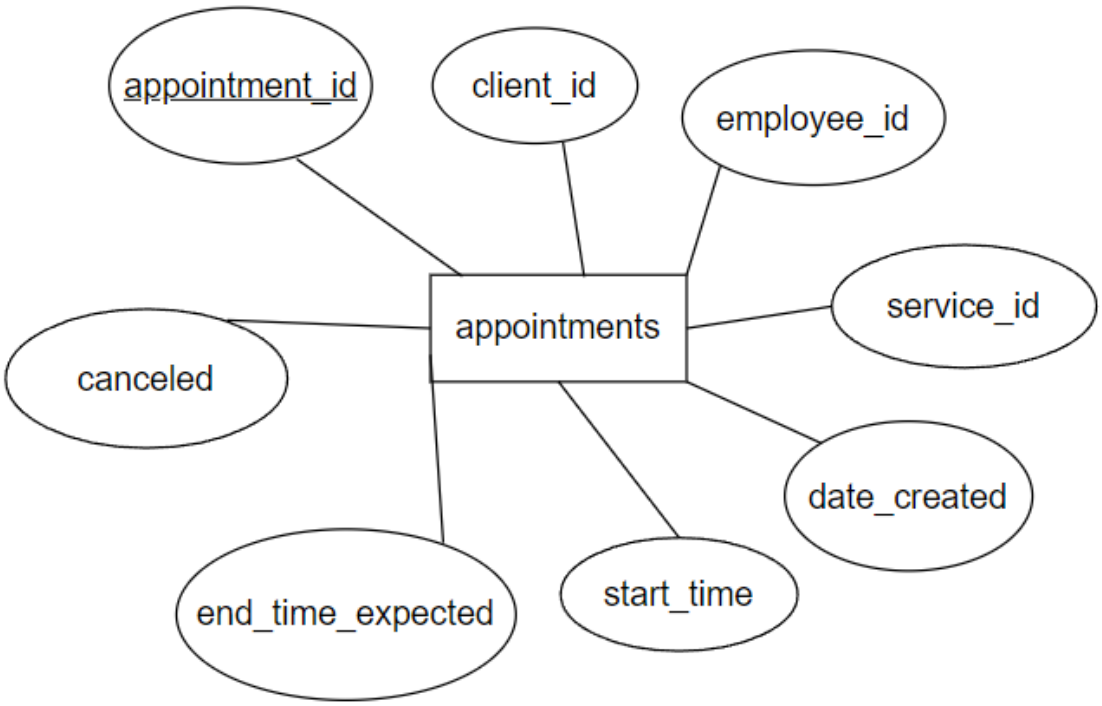
client_id
shipping_address
orders
shipping_method
payment_method
status
total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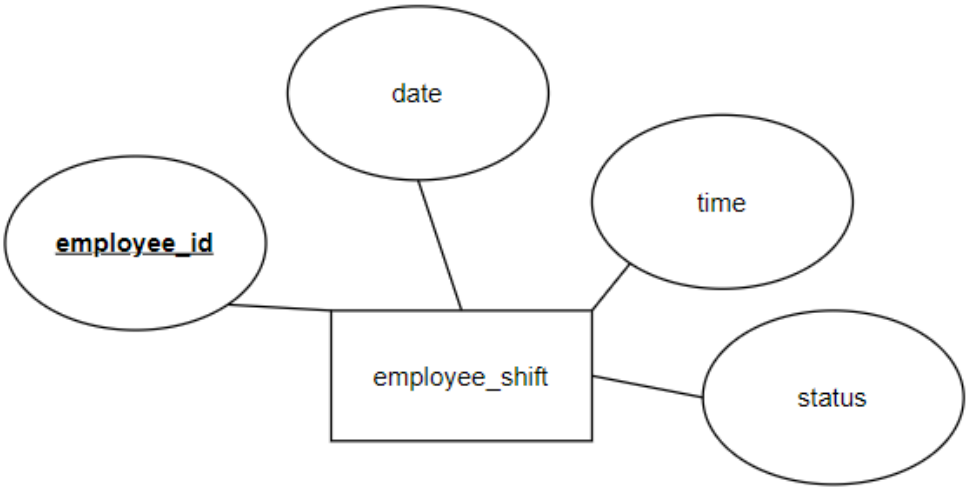
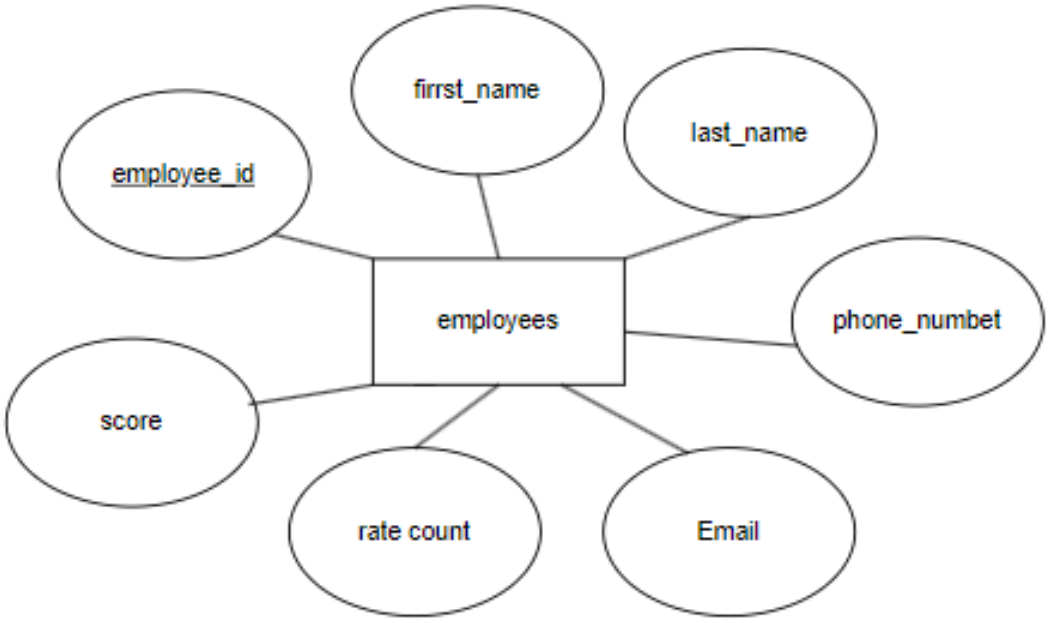
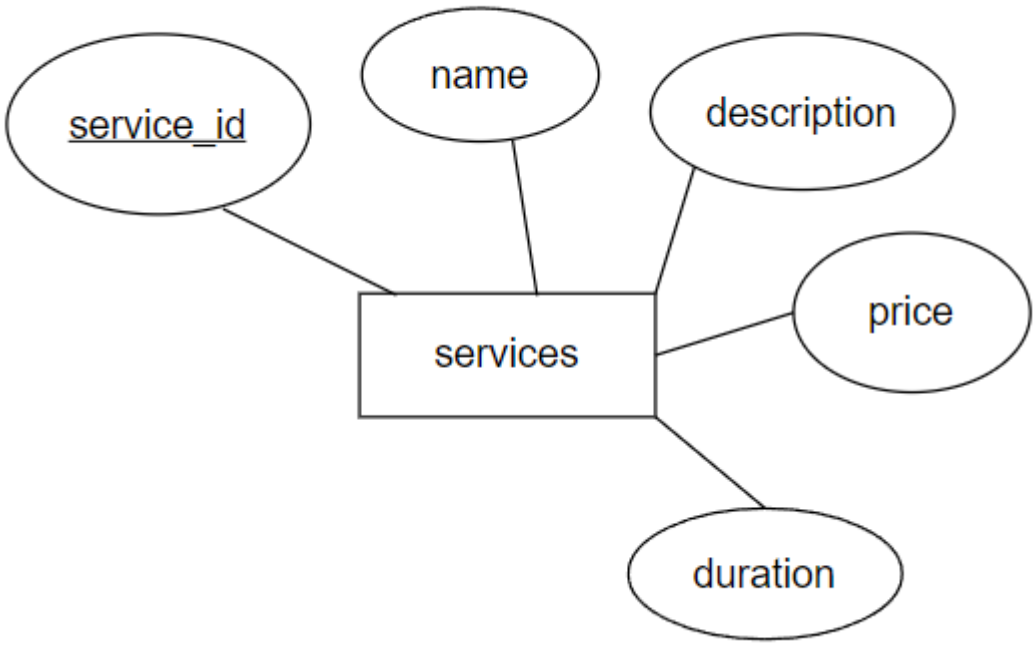
date_created
end_time_expected
start_time


date
time
employee_id
employee_shift
status


firrst_name
last_name
employee_id
employees
phone_numbet
score
rate count
Email


service_id
name
description
price
services
duration

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	

4	address	varchar(100)		NOT NULL	clients' detail address

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	

				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	

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	

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	

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 00:00:00'	

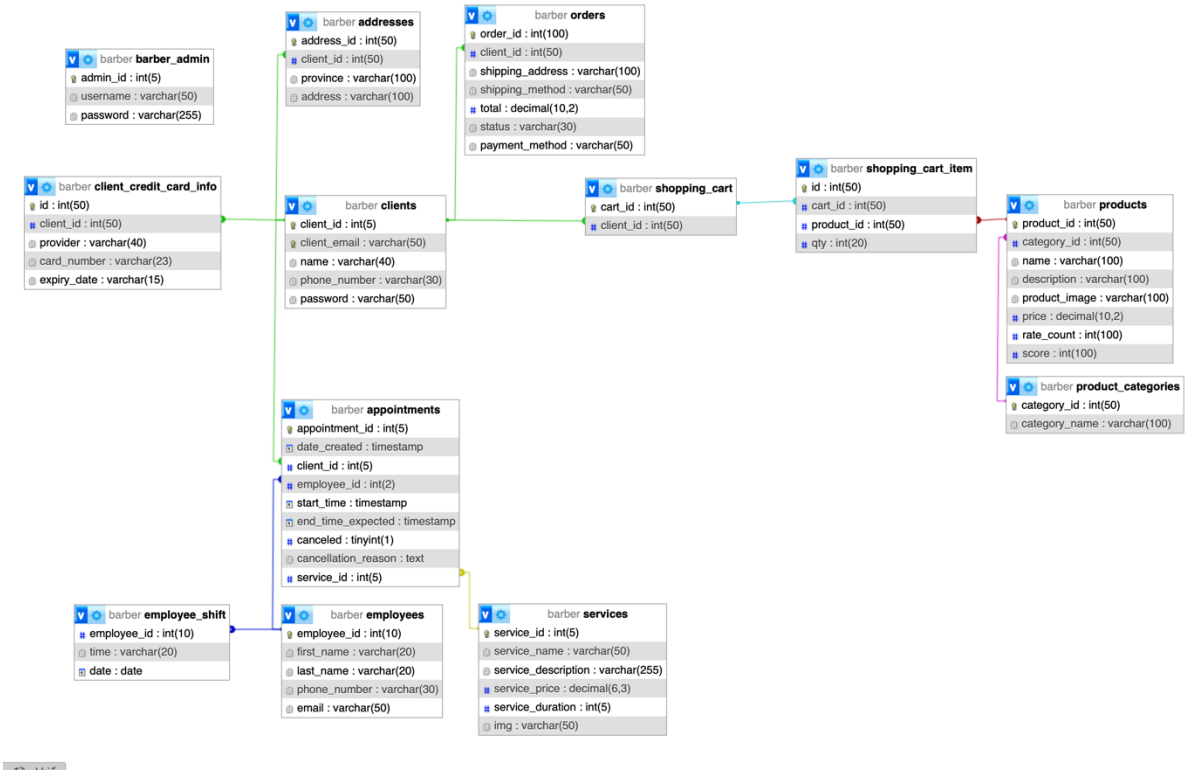
7	canceled	tinyint(1)		NOT NULL DEFAULT 0	
	cancellation_reason	text		DEFAULT NULL	

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 NULL DEFAULT 0	

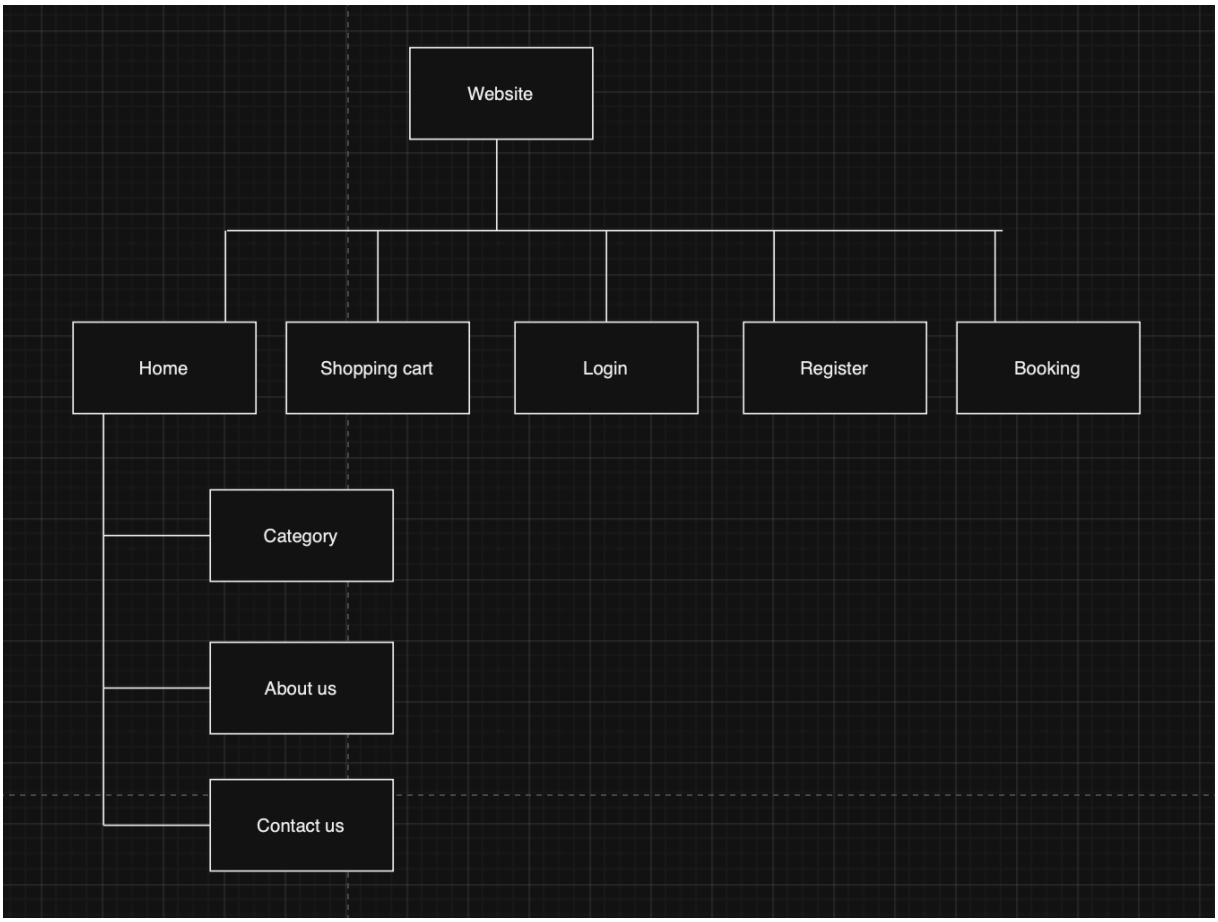
services					
Serial	Fields	Data type	Keys	Constrains	Description
1	service_id	int(5)	Primary key	NOT NULL	
2	service_name	varchar(50)		NOT NULL	
3	service_description	varchar(255)		NOT NULL	
4	service_price	decimal(6,2)		NOT NULL	
5	service_duration	int(5		NOT NULL	

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 NULL	
4	status	tinyint(1)		NOT NULL DEFAULT 0	

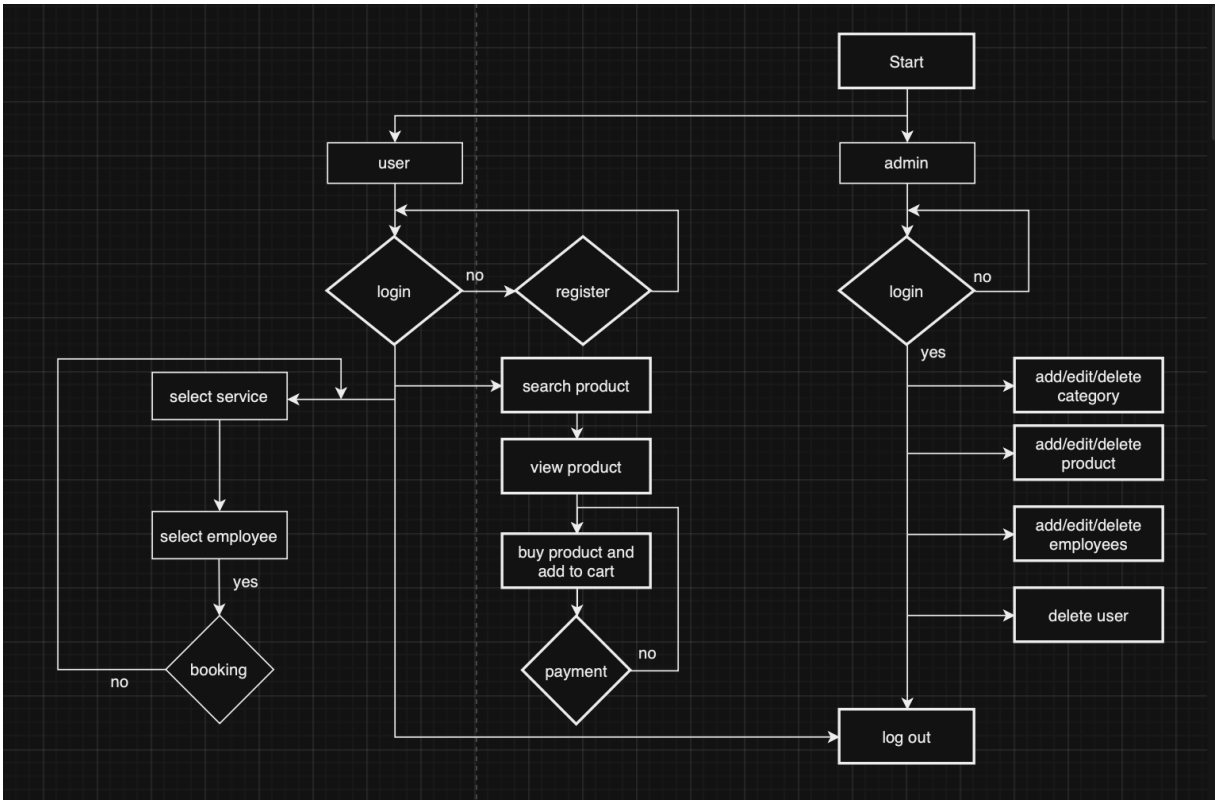
B. Relationship Diagram



SiteMap


Website
Home
Shopping cart
Login
Register
Booking
Category
About us
Contact us

Algorithm

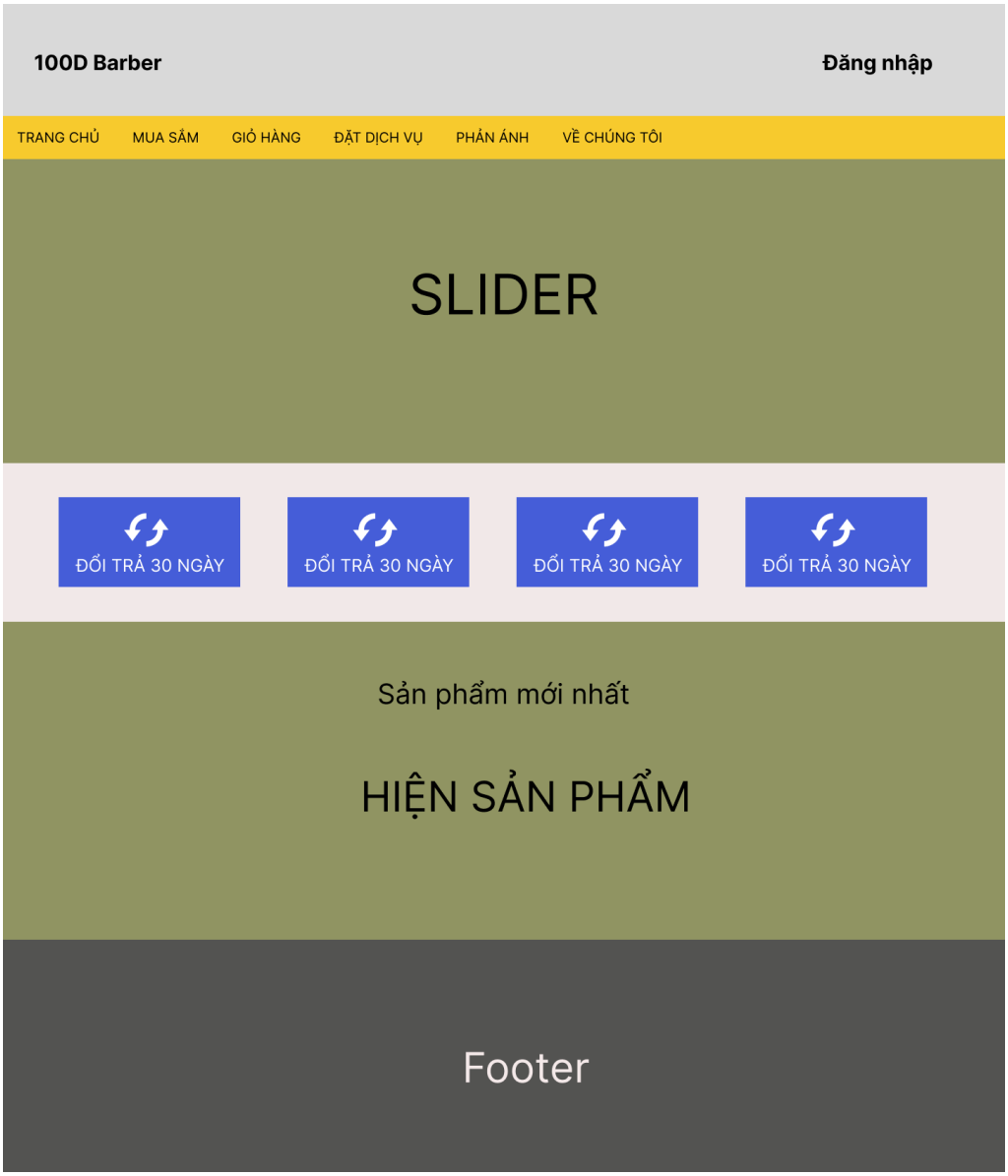


	Prepared by (Student)	Approved by (Faculty)
	Project Group No: 2	LE THANH NHAN
Signature		
Date		

Review 03

Screen shots

I. Homepage:

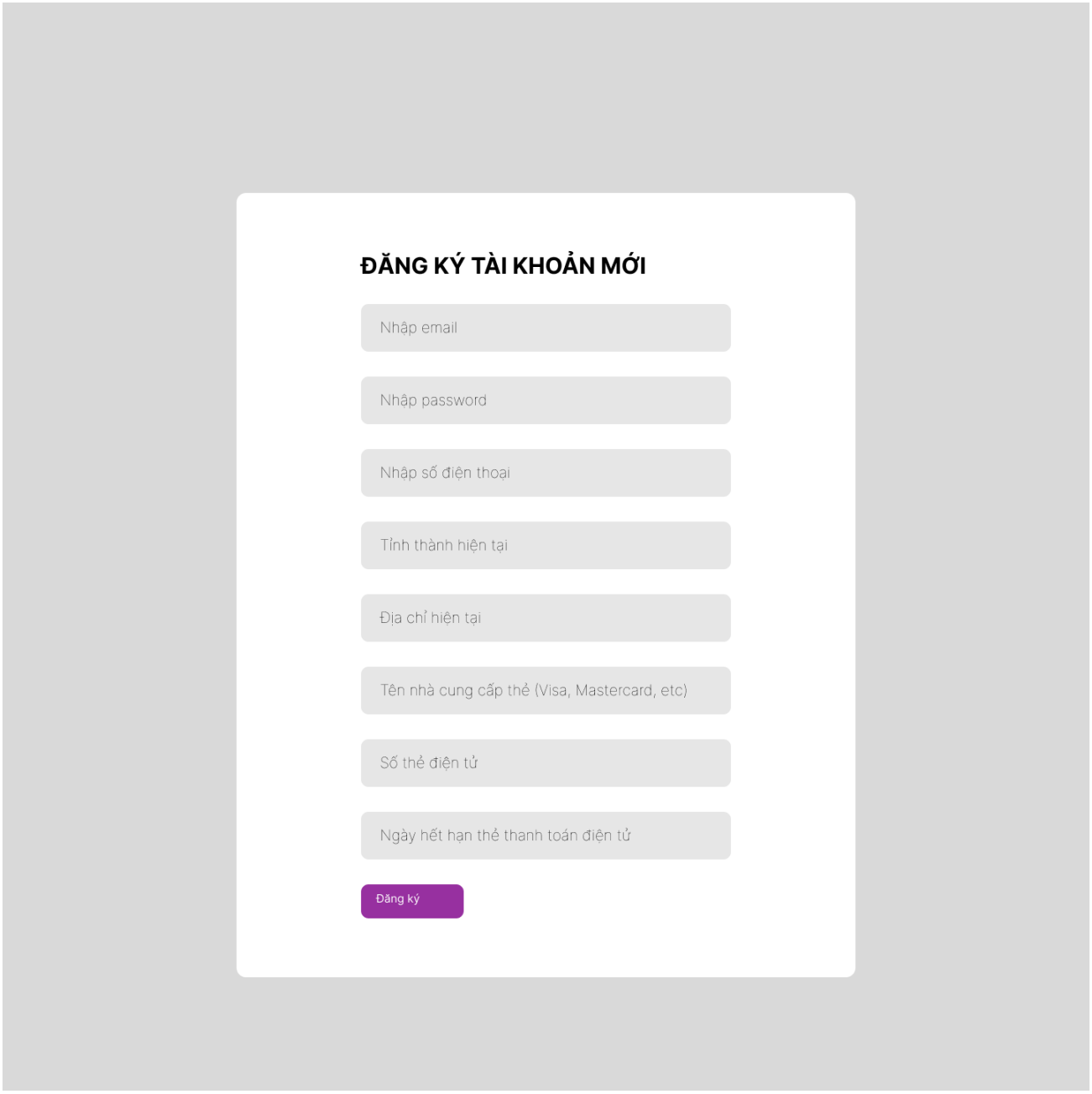


Description : Home page with navigation panel and login button

From : This is the index page

To : All other pages with the navigation panel

II. Register page:

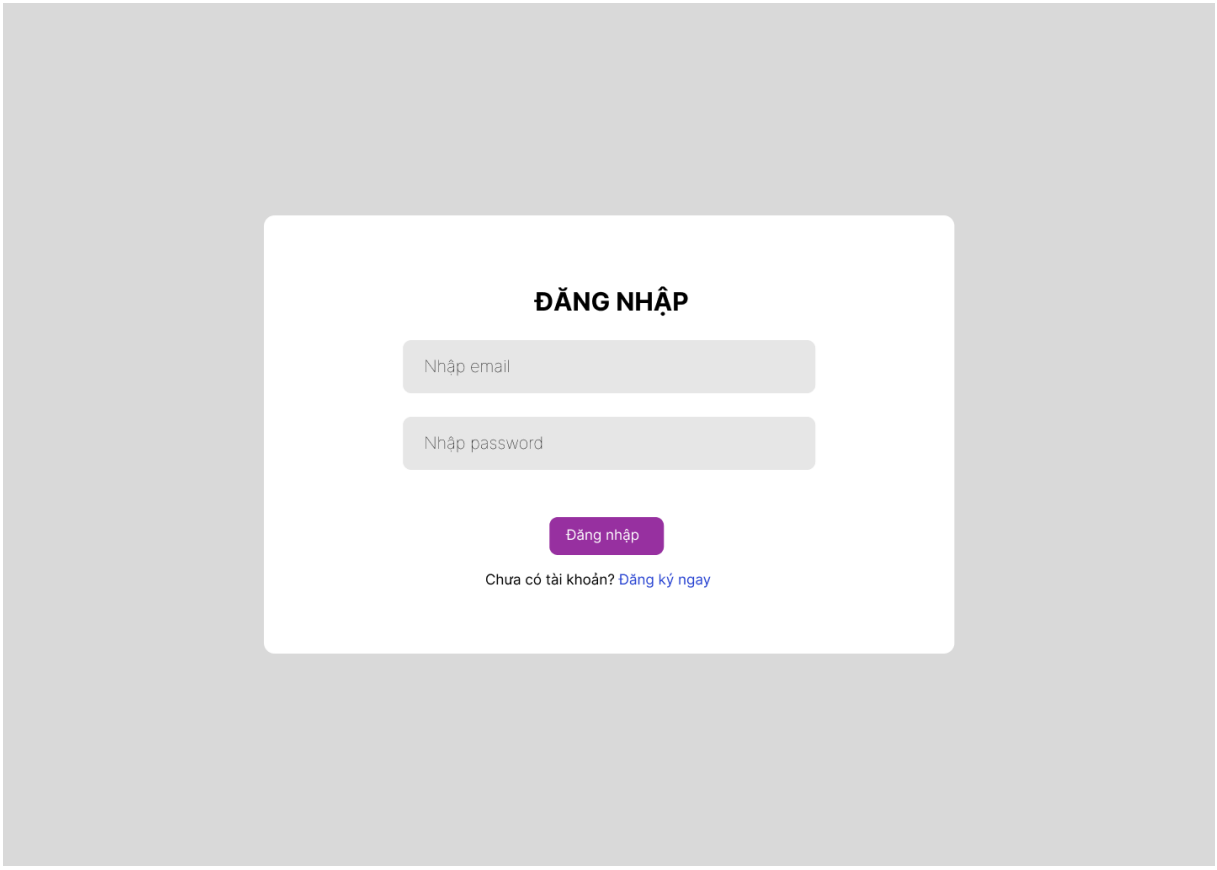


Description : Register a new account

From : Access from login page if not registered

To : Login page after creating an account

III. Login page:



Description : Login to Homepage

From : Homepage if not logged-in

To : Homepage if log in successfully

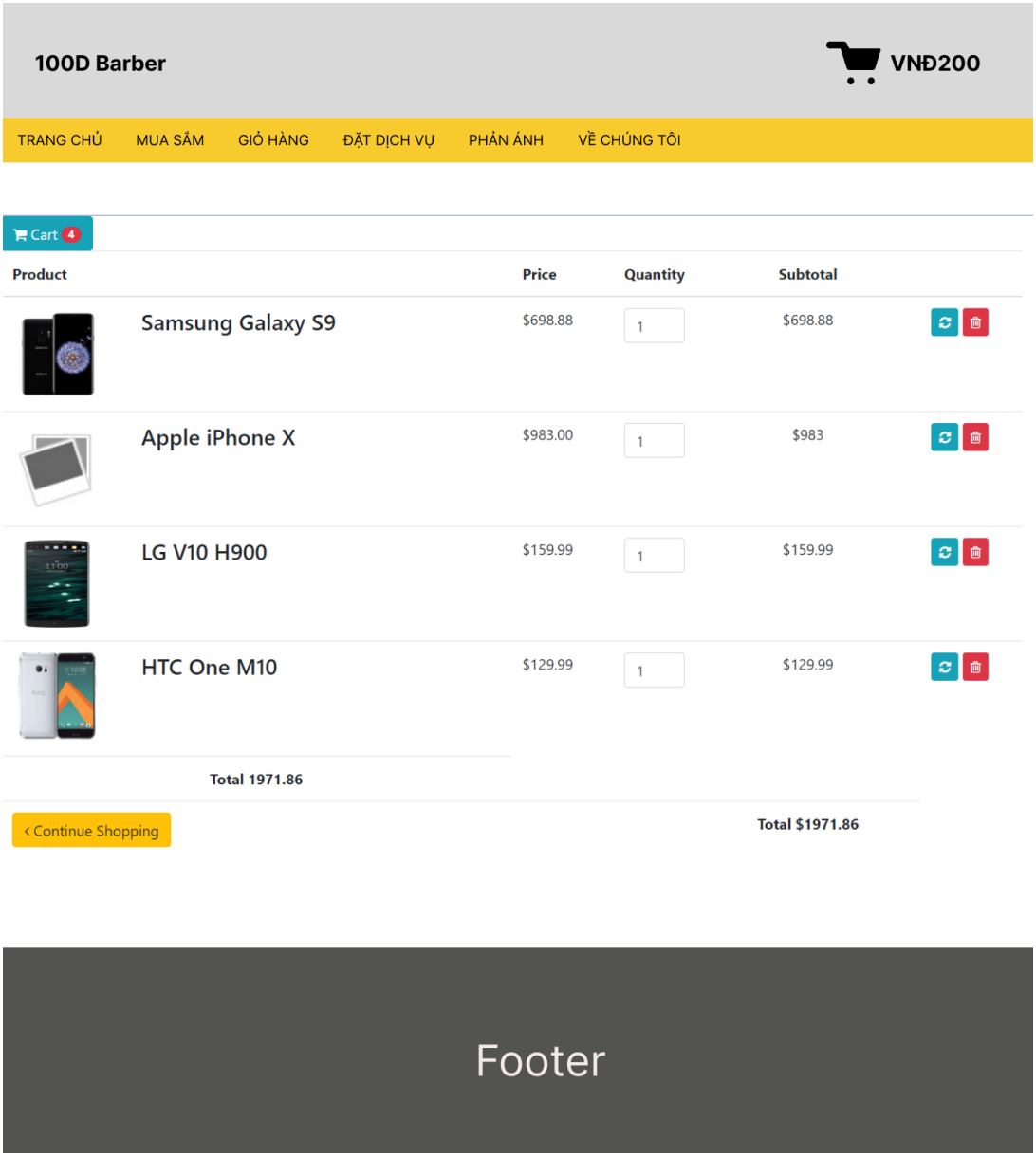
IV. Shopping page:

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:



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

To :

VI. Booking page:

Description : Book hair cut services

From : Navigation panel

To :

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		

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?	

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

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