FPT ACADEMY INTERNATIONAL

FPT – APTECH COMPUTER EDUCATION

NICE HOTEL

Supervisor: *LÊ THANH NHÂN*

Semester: *II*

Batch No: *T1.2209.M0*

Group No: *04*

Order:	**Full name**	**Roll No.**
1.	*Đoàn Văn Lộc*	*Student1415997*
2.	*Nguyễn Hữu Duy Khang*	*Student1420700*
3.	*Ngô Trần Thuấn*	*Student1420709*
4.	*Nguyễn Tấn Tài*	*Student1416048*

Month: Year:

This is to certify that

Mr.	**ĐOÀN VĂN LỘC**
Mr.	**NGUYỄN HỮU DUY KHANG**
Ms.	**NGÔ TRẦN THUẤN**
Ms.	**NGUYỄN TẤN TÀI**

Have successfully Designed & Developed

NICE HOTEL

Submitted by:

Mr. LE THANH NHAN

Date Of Issue:

Authorized Signature:

Content

Content

Acknowledge

Synposis

Review1 ..... (điền số trang theo thực tế)

Review2 ..... (điền số trang theo thực tế)

Review3 ..... (điền số trang theo thực tế)

Testting Document ..... (điền số trang theo thực tế)

Final Checklist ..... (điền số trang theo thực tế)

Tasksheet ..... (điền số trang theo thực tế)

Acknowledge

As we understand that the Project is a step-by- step learning environment 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.

✓ 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, Mr Le Thanh Nhan and others student for the addorable supports during the time in project.

Beside serveral mistakes we had made in the project, we hope to have more oppotunities to widen our knownledge in web developing world.

We also thank you so much for your infomation 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 04.

Synposis

The goal of this program that we aim to is to give a sample project to work on real projects. These apps help us build a more powerful big app.

The goal is not to teach us front-end or back-end technology but to give us a real-life scenario and help us create basic apps with tools.

Therefore, we can revise the chapters before starting the project.

This project is for students like us who have completed the module of Semester II, as well as the special subjects Java and PHP. These programs should be conducted during Lab sessions with instructor support if required.

The website (in this project) is a nice hotel to enter your experience.

It is very necessary for us to have a clear understanding of the subject. We think we should take a look at the project and tackle the required assignments given.

Review 01

Problem Definition

Based on the need outlined in the Master Project, we designed an application that will provide the following key features and functionality:

✓ Provide membership registration function.

✓ Provide room information to customers and members.

✓ Provide a reservation function so that customers and members can make reservations.

✓ Members can ensure their privacy through the Member Dashboard (MCP)

✓ Receive comments from customers and members to improve service quality as well as product quality.

The Administrator Console (ACP) supports the management system:

✓ Administrators have the ability to quickly and accurately add and update room information.

✓ Admins have the ability to manage members and their feedback, comments or ratings.

✓ Admin has the ability to manage booking progress under orders.

✓ Administrator has the ability to report statistics.

User and Administrator Roles:

1. User:

✓ Can register members and manage personal accounts.

✓ Can view the room.

✓ Can view their bookings.

2. Administrator

✓ Can add/edit/disable rooms

✓ Can view customer information.

✓ Can view all bookings and browse reservations.

Customer Requirements Specifications

User:

input:

- Member registration .

- Room.

- Reservation selected.

Progress:

- Search for rooms from the database by category.

- Processing customer registration information.

- Handling room feedback.

- Processing guest bookings.

Output:

- Notice of successful/failed registration.

- Room.

- Notice of successful booking.

Website Administration:

input:

- Administrator login.

- Room, add/edit/delete list.

- Member to find/delete.

- Room needs lookup/approval.

Progress:

- Add/edit/delete products.

- Handling customer feedback

- Update booking status.

Output:

- Notice of successful/failed adding/editing/deleting products.

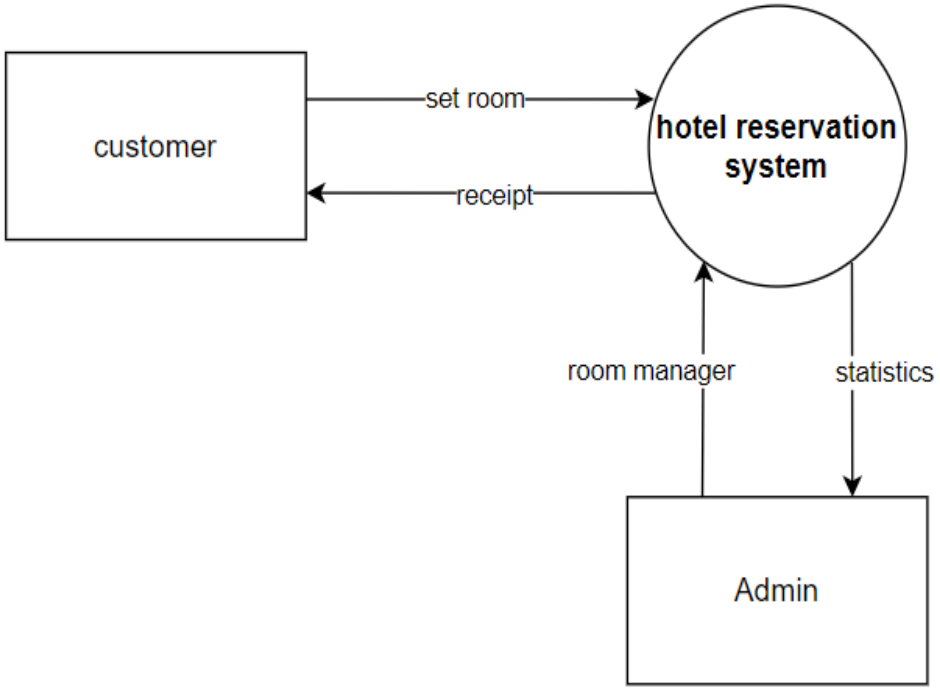
- Notice of room status update.

Hardware / software requirement

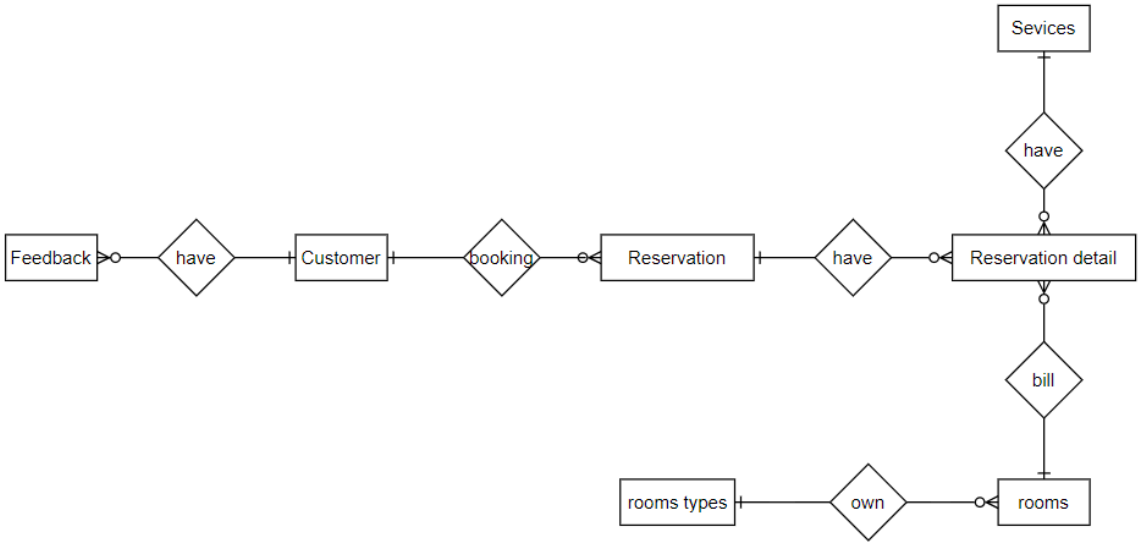
Sr.	Item	Description
1.	Operating system	Windows 7, 8, or higher
2.	Hardware	CPU Cores or better with 2 Gigabytes of RAM or better
3.	Web Browser	Version in later of: Edge, Firefox, Chrome, etc…
4.	Fonts	Standard font Unicode: Arial, Tahoma, Lucida Console, Times New Roman, etc…
5.	Other requirement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

Review 02

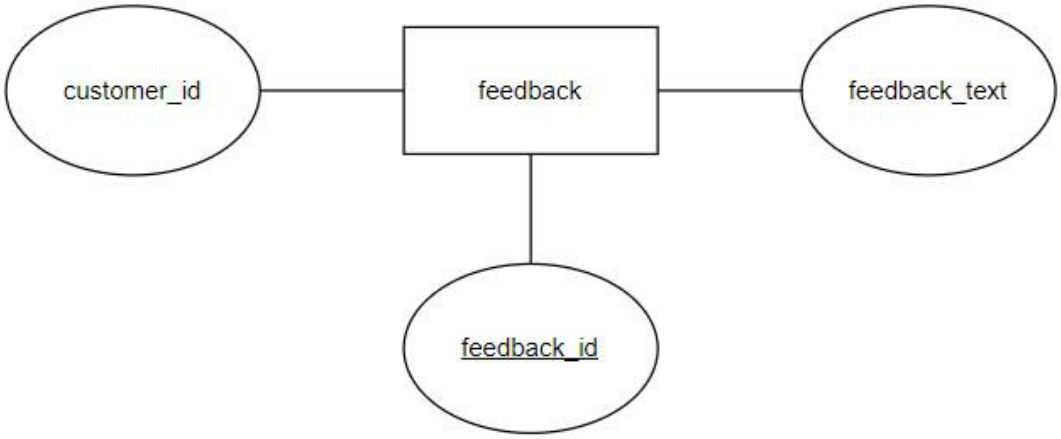
Data Flow Diagram

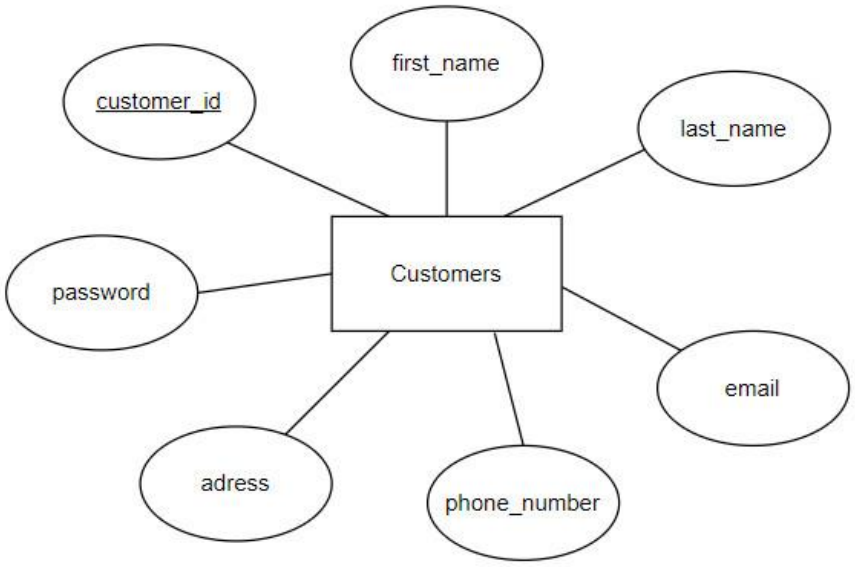


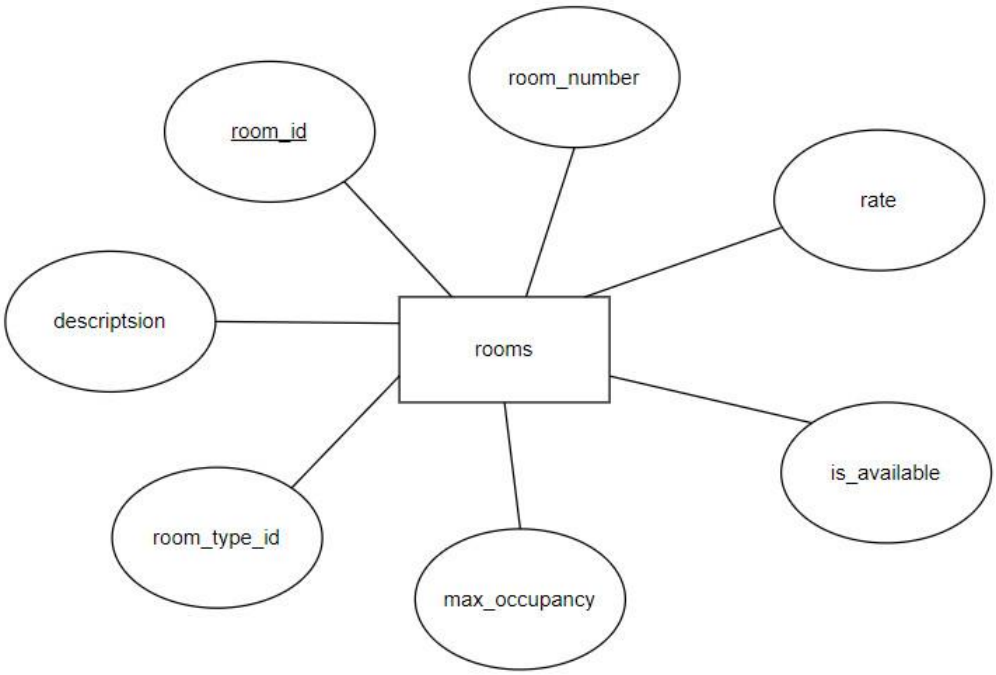
A. Entity Relationship Diagram

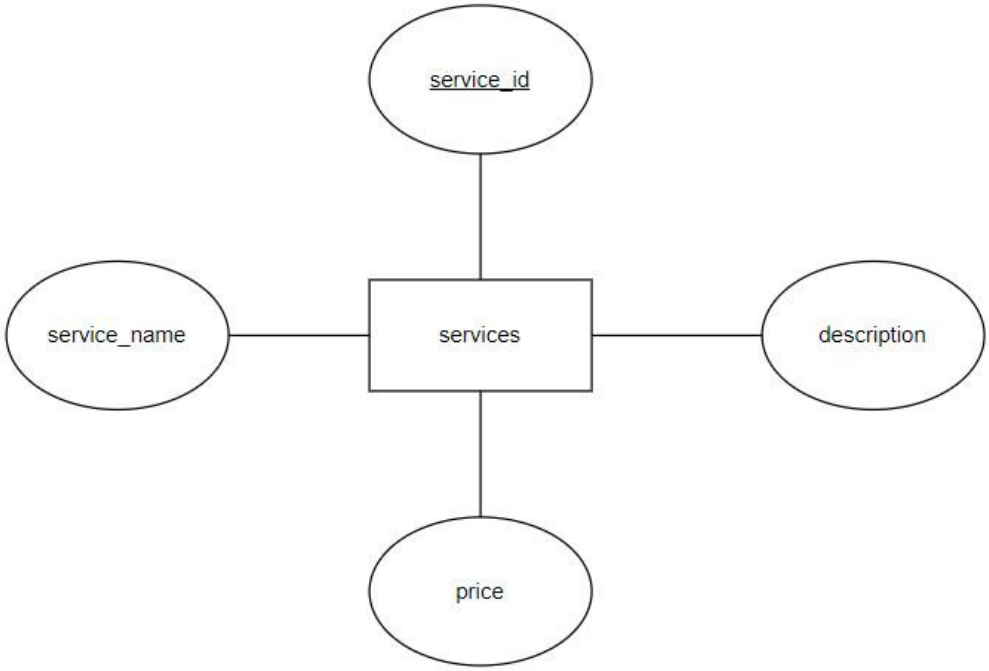


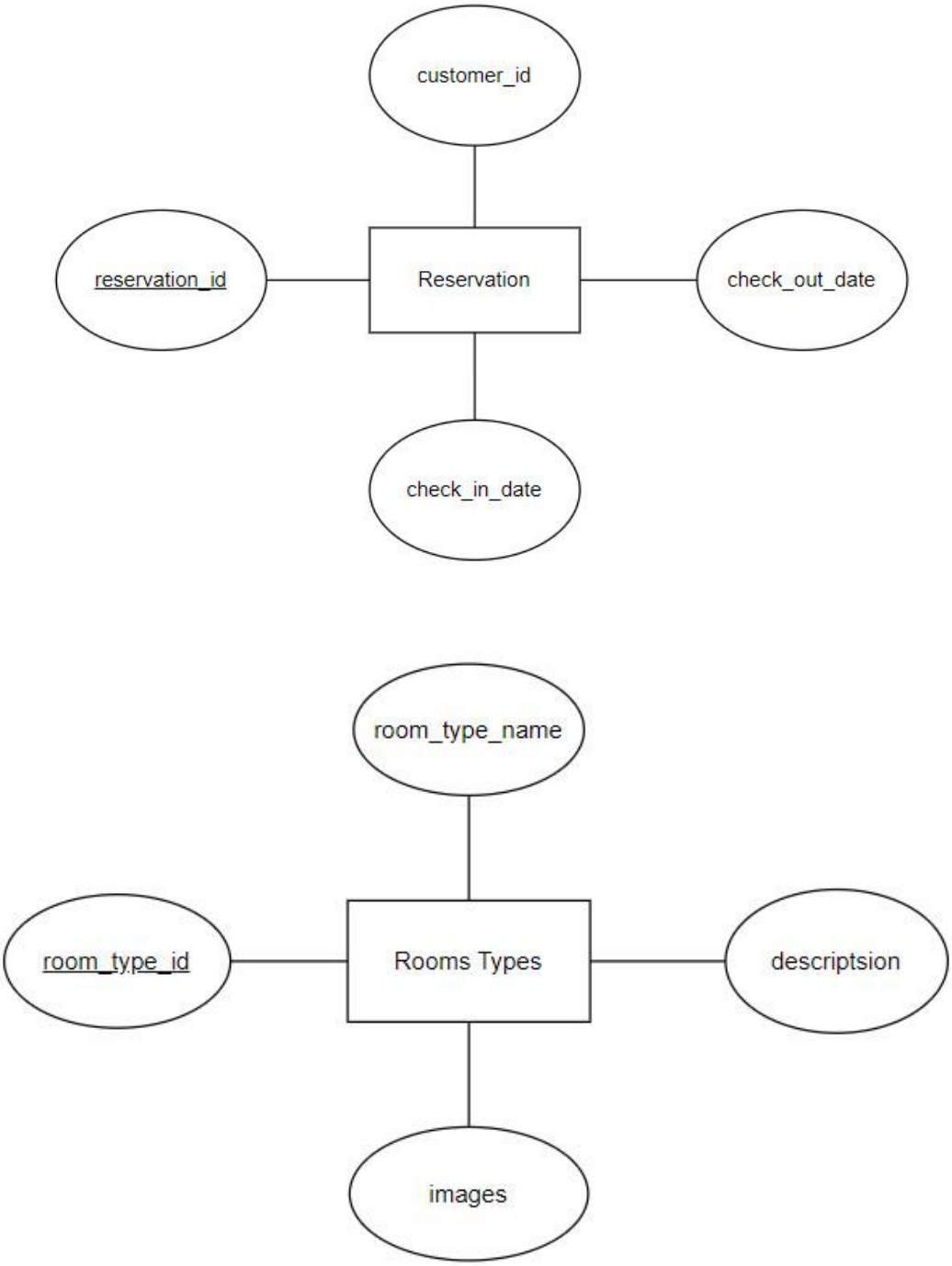
B. Entity Attributes

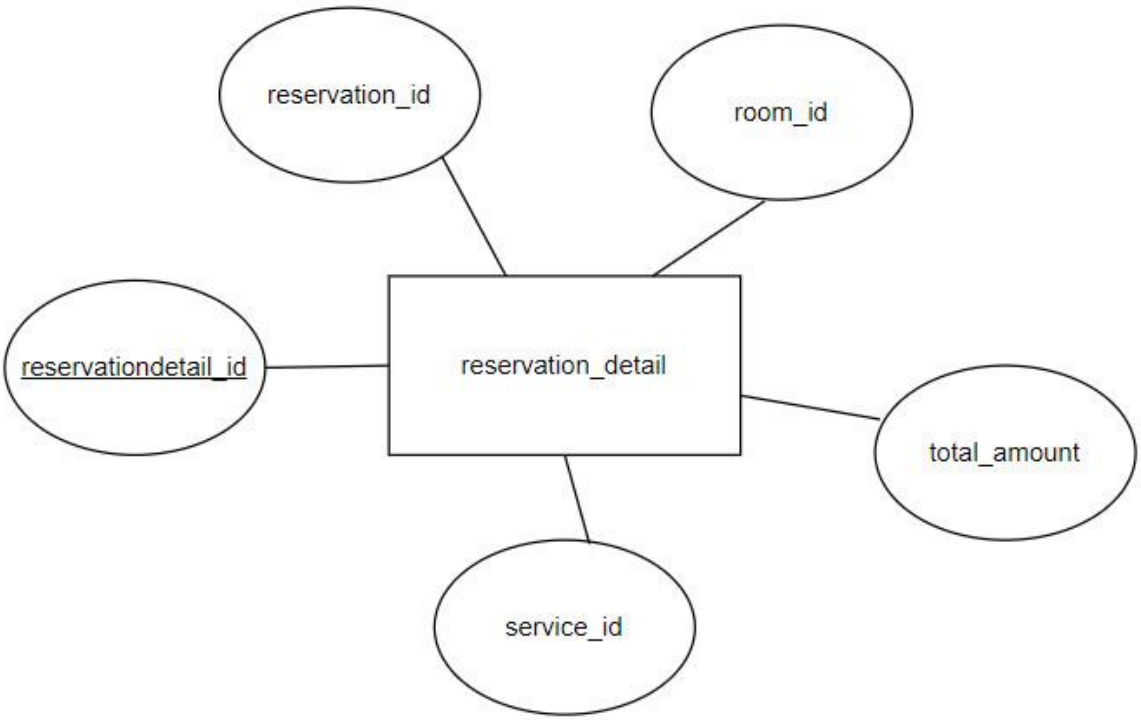





room_number
room_id
rate
descriptsion
rooms
is_available
room_type_id
max_occupancy


service_id
service_name
services
description
price


customer_id
reservation_id
Reservation
check_out_date
check_in_date
room_type_name
room_type_id
Rooms Types
descriptsion
images


reservation_id
room_id
reservationdetail_id
reservation_detail
total_amount
service_id

A. Table Design

Services					
Serial	Fields	Data type	Keys	Constrains	Description
1	service_id	INT	Primary key		
2	service_name	VARCHAR(100)		Not null	
3	description	TEXT			
4	price	Float		Not null	

Customers					
Serial	Fields	Data type	Keys	Constrains	Description
1	customer_id	INT(20)	Primary key		
2	first_name	VARCHAR(20)		Not null	
3	last_name	VARCHAR(20)		Not null	
4	email	VARCHAR(30)		Not null	
5	phone_number	VARCHAR(12)		Not null	
6	address	VARCHAR(100)		Not null	
7	password	VARCHAR(100)		Not null	

Reservation Detail					
Serial	Fields	Data type	Keys	Constrains	Description
1	reservationdetail_id	INT	Primary key		
2	room_id	INT	Foreign key	Not null	
3	total_amount	Float		Not null	
4	service_id	INT	Foreign key	Not null	
5	reservation_id	INT	Foreign key	Not null	

Rooms					
Serial	Fields	Data type	Keys	Constrains	Description
1	room_id	INT(20)	Primary key		
2	room_number	VARCHAR(10)		Not null	
3	room_type_id	VARCHAR(50)	Foreign key	Not null	
4	max_occupancy	INT		Not null	
5	is_available	BOOL		Not null	
6	rate	Float			
7	description	TEXT			

Reservation					
Serial	Fields	Data type	Keys	Constrains	Description
1	reservation_id	INT	Primary key		
2	customer_id	VARCHAR(50)	Foreign key	Not null	
3	check_in_date	DATE		Not null	
4	check_out_date	DATE		Not null	

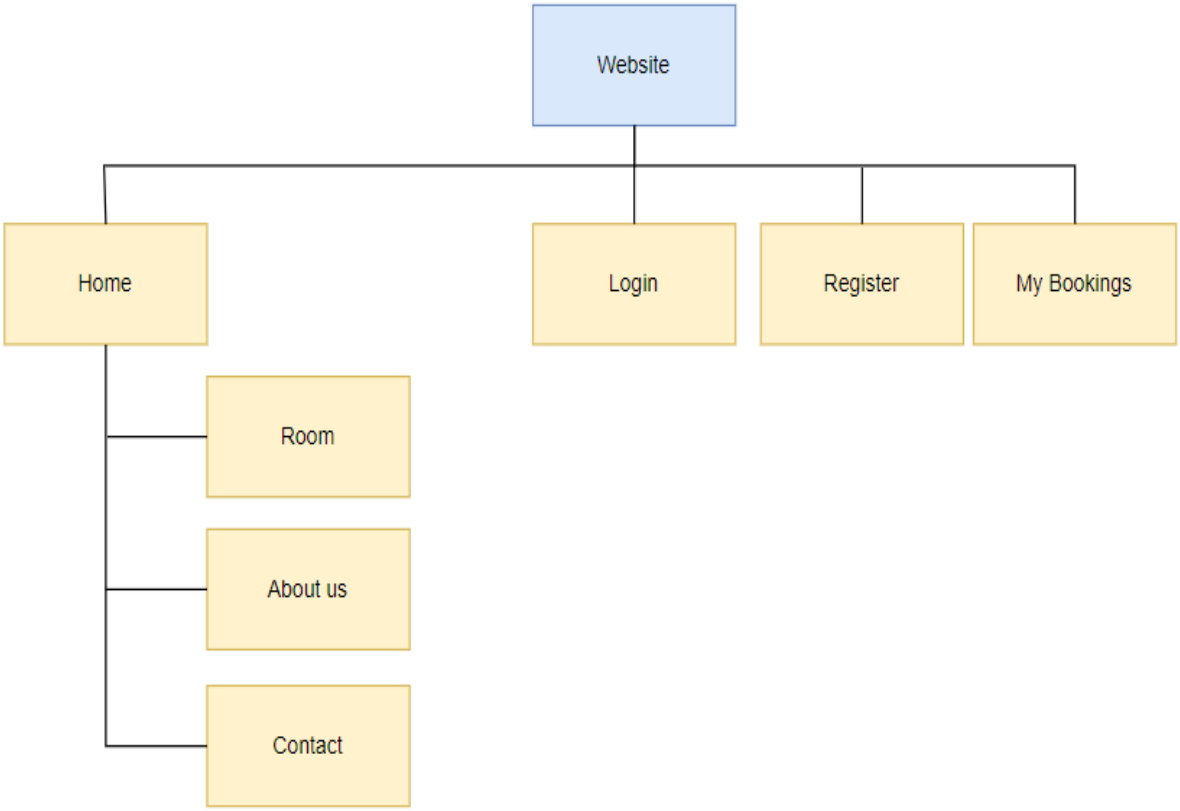
Feedback					
Serial	Fields	Data type	Keys	Constrains	Description
1	feedback_id	INT	Primary key		
2	customer_id	INT	Foreign key	Not null	
3	feedback_text	TEXT		Not null	

RoomTypes					
Serial	Fields	Data type	Keys	Constrains	Description
1	room_type_id	INT	Primary key		
2	room_type_name	VARCHAR(50)		Not null	
3	description	TEXT			
4	image	VARCHAR(255)			

B. Relationship Diagram

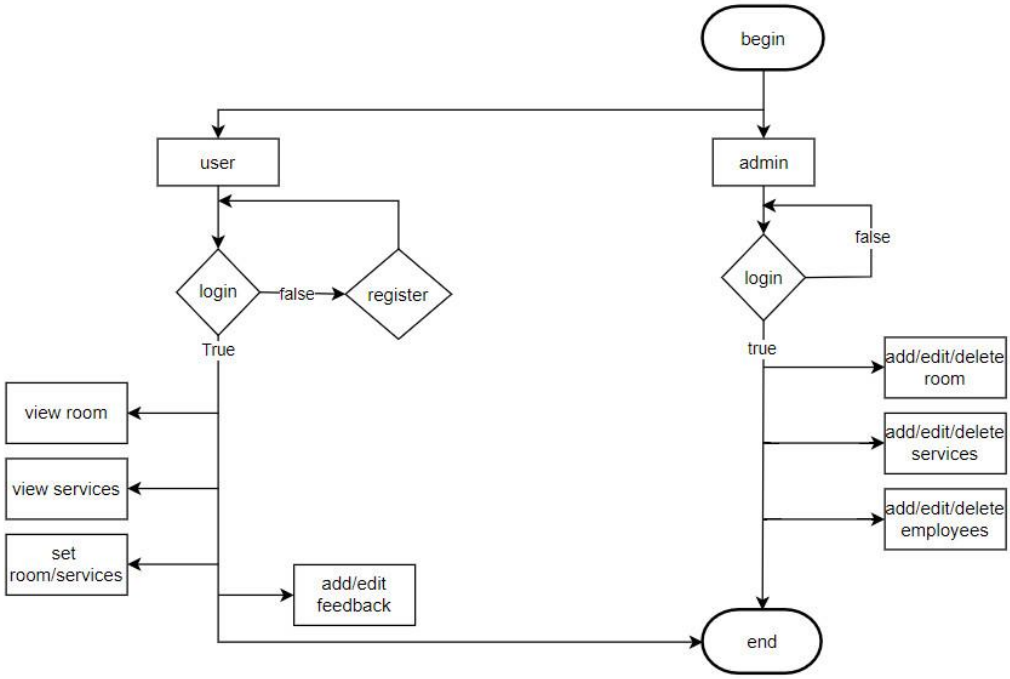
	Prepared by (Student)	Approved by (Faculty)
	Project Group No:4	LE THANH NHAN
Signature		
Date		

SiteMap



	Prepared by (Student)	Approved by (Faculty)
	Project Group No:4	LE THANH NHAN
Signature		
Date		

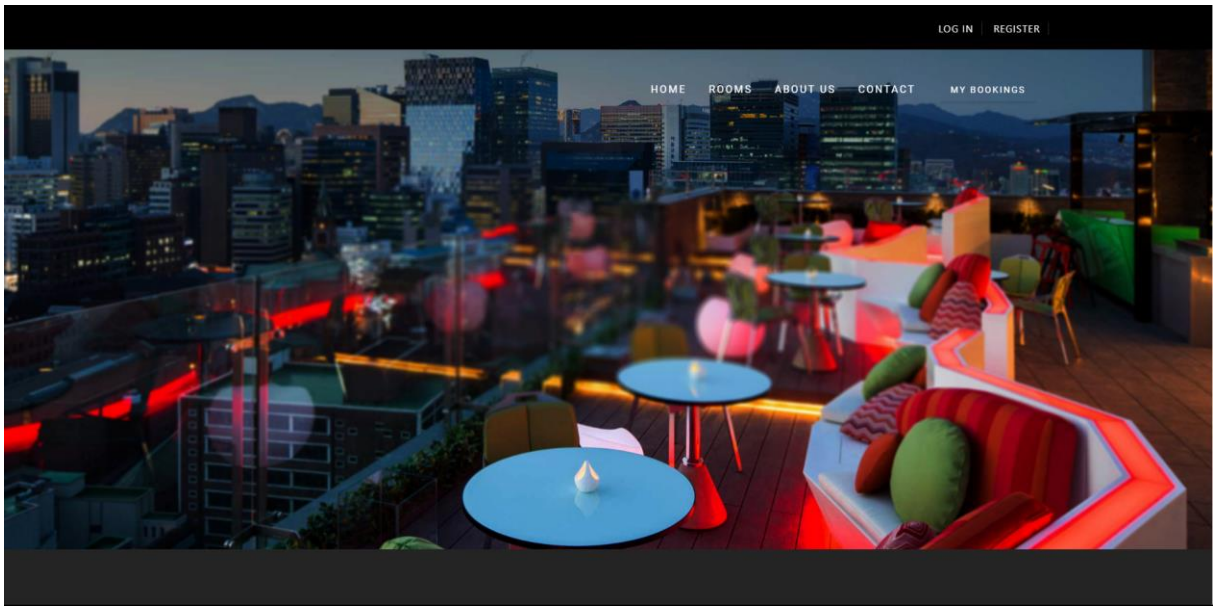
Algorithm


begin
user
admin
login
false
register
True
login
false
true
view room
view services
set room/services
add/edit feedback
add/edit/delete room
add/edit/delete services
add/edit/delete employees
end

Review 03

Screen shots

I. Homepage:

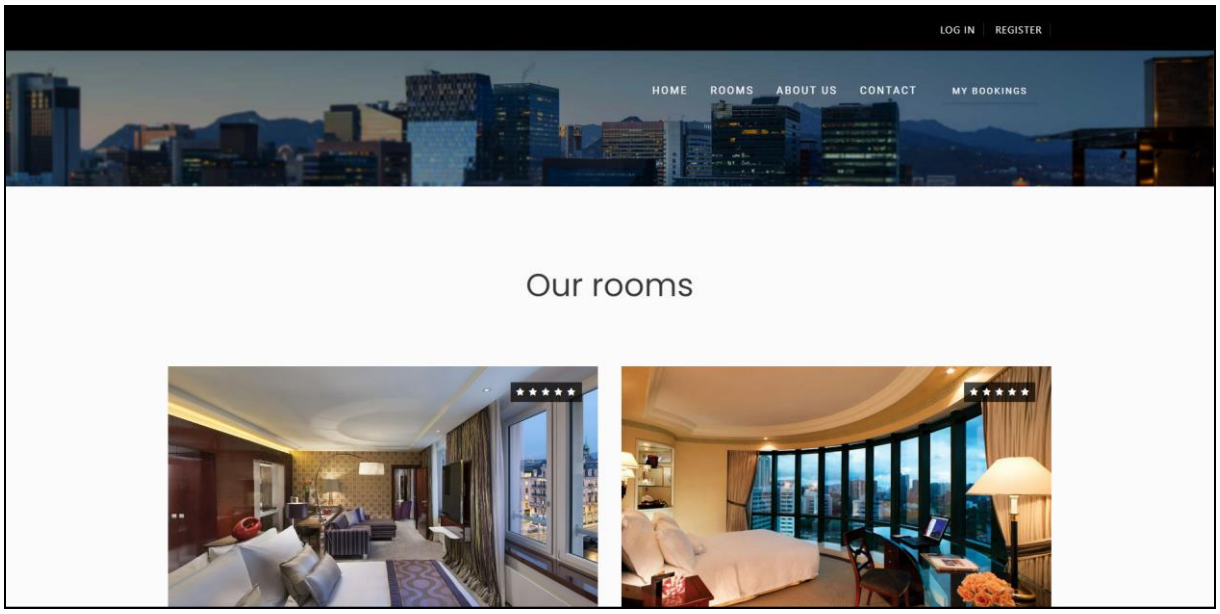


Description : Hotel website homepage. Give users a look at the hotel's services..

From : Home page opened with homepage.

To : From the home page, one can access specific services of the site.

II. Rooms:

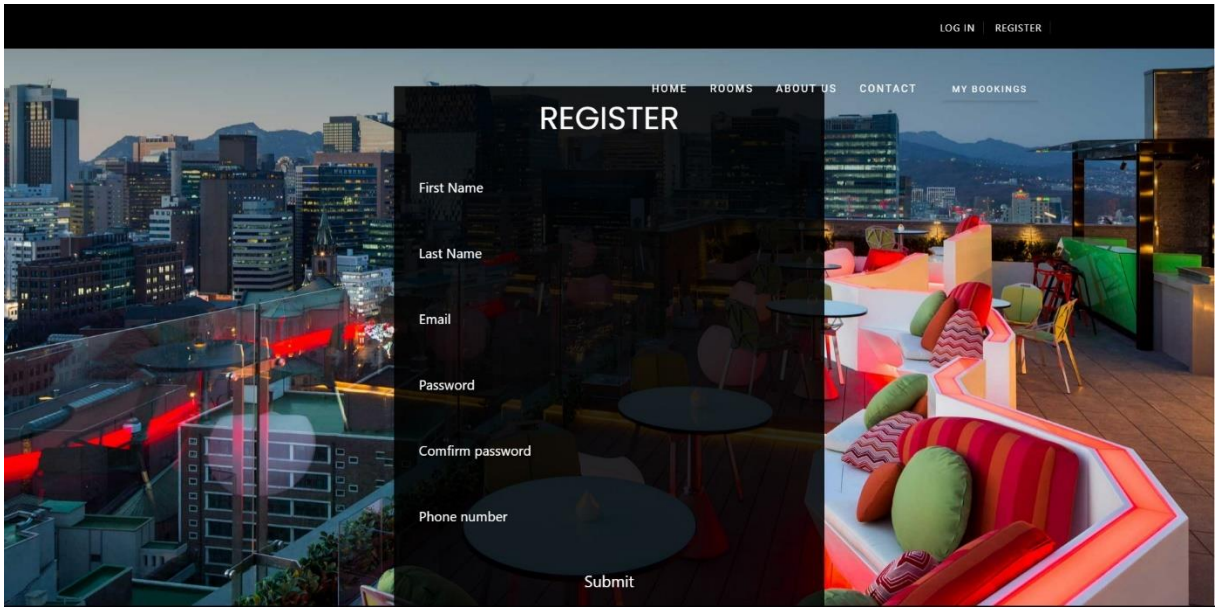


Description : Hotel Rooms page. Show users the rooms.

From : The home page opens with the Rooms page .

To : From the Room page can go to the booked room.

III. Register:

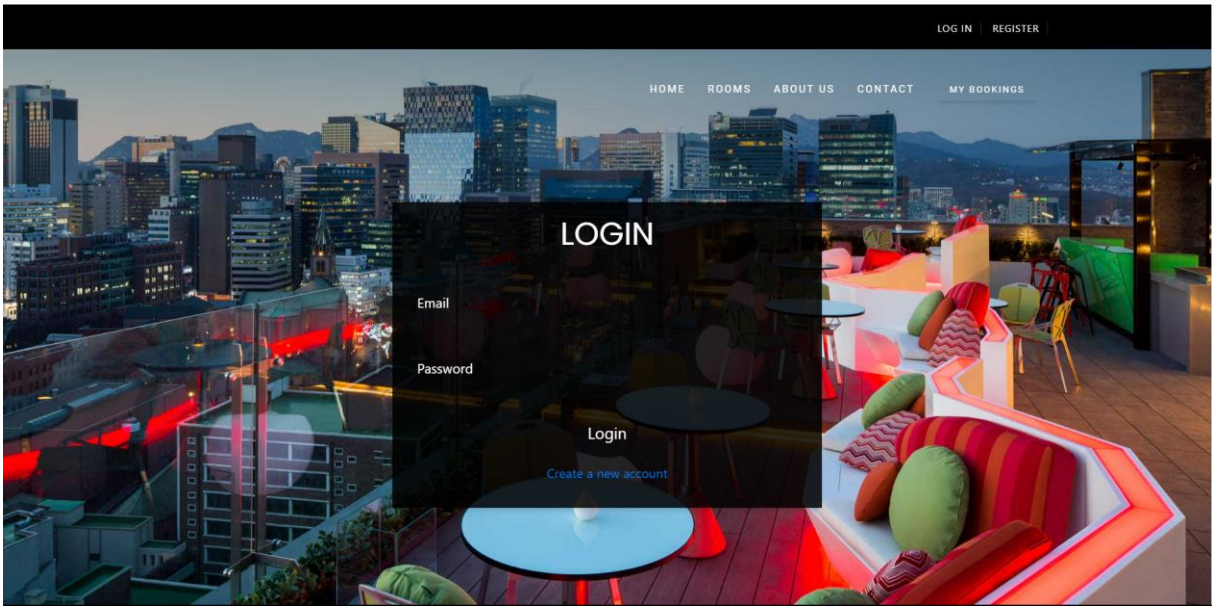


Description : Registration page. Allow users to register customers.

From : The home page opens with the Signup page.

To : From the Registration page can go to the login page.

IV. Login:



Description : Login page. Allow users to log in.

From : The home page opens with the login page.

To : From the login page can go to the homepage.

Testing document

Sr No	FearturesTested	Remarks
1	FirstName	Must not to vacant.
2	LastName	Must not to vacant.
2	Email	Must not to vacant ,must have (@).
3	Password	Must not to vacant.
4	Phone	No more than 12 numbers.

Final checklist

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

No	Member	Contents		Table Name	Activity Plan	Date of Preparation of Activity Plan		
					Planed Start Date	Actual Start Date	Actual Days	Status
1	**Đoàn Văn Lộc**	Admin	*Services Management*	Services | About us	10/7/2023	11/7/2023	5	NA
2					10/7/2023	11/7/2023	5	NA
3		User	*users view the service*		10/7/2023	11/7/2023	5	NA
4					10/7/2023	11/7/2023	5	NA
o								
1	**Nguyễn Hữu Duy Khang**	Admin	*Room Management*	Room | Contact us	10/7/2023	11/7/2023	5	OK
2					10/7/2023	11/7/2023	5	OK
3					10/7/2023	11/7/2023	5	OK
4		User	*Personal Account Management*		10/7/2023	11/7/2023	5	OK
1	**Ngô Trần Thuấn**	Admin	*Customer manager*	Customers	10/7/2023	11/7/2023	5	OK
2					10/7/2023	11/7/2023	5	OK
3		User	*register, login*		10/7/2023	11/7/2023	5	OK
4					10/7/2023	11/7/2023	5	OK
1	**Nguyễn Tấn Tài**	Admin	*Manage feedbach*	Feedbacks	10/7/2023	11/7/2023	5	NA
2					10/7/2023	11/7/2023	5	NA
3		User	*Send Feed back*		10/7/2023	11/7/2023	5	NA
4					10/7/2023	11/7/2023	5	NA

	Prepared by (Student)	Approved by (Faculty)
	Project Group No:4	LE THANH NHAN
Signature		
Date		