

**FPT ACADEMY INTERNATIONAL**  
**FPT – APTECH COMPUTER EDUCATION**

**Centre Name: ACE-HCMC-2-FPT.**

**Address: 590 Cach Mang Thang 8, District 3, Ho Chi Minh City, Viet Nam.**

# BARBERIA

<b>Supervisor:</b>	Mr. Ngo Phuoc Nguyen	
<b>Semester:</b>	IV	
<b>Batch No:</b>	ACCP 6715	
<b>Group No:</b>	1	
<b>Order:</b>	<b>Full name</b>	<b>Roll No.</b>
1.	Le Minh	Student1225645
2.	Nguyen Minh Thoai	Student1225526
3.	Hoang Thien An	Student1198581
4.	Luong Vinh Hien	Student1204494

July 2021

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# REVIEW 1

## **I. Introduction**

The purpose of this document is to present a detailed description of a Barber Shop Booking System. It will explain the purpose and feature of the system, the interfaces of the system, what the system will do. Furthermore, this document also explains the potential in the future for small business. However, in this project will only working on one single Barber Shop that has one branch.

This application can be improve multiple shops for large business and small business.

## **II. Application Description**

### **1. For guests who book online**

- Appointments can be made via phone number without registration
- Guests can register and make an appointment
- Guests who sign up can see the appointment time
- Guests can change their nickname
- Subscribers can see appointment history
- Guests arrive at the shop 10 minutes in advance to be checked into the system by the staff
- Guests arriving at the salon after the appointment will cancel the appointment

### **2. For walk-in visitors**

- Visitors can walk to the shop will be checked into the system by the staff

### **3. For managers in the salon**

- Manage login to browser
- In the early hours of work, employees will checkin (or check-in)
- End of work the employee will checkout (checkout)
- View guest appointment list online
- Checkin for guests upon arrival at the salon
- Staff arrangements for guests
- Make payments to guests

### **4. For Admin and Management**

- Login to admin page
- Branch Management (UD)
- Employee Management (CRUD) - <<Create an account for an employee>>
- Service Management (CRUD)
- Manage customer lists

- Manage appointment history
- Report Payment

### III. Naming Conventions

Type	Public	Internal
Packages	<code>lower_with_under</code>	
Modules	<code>lower_with_under</code>	<code>_lower_with_under</code>
Classes	<code>CapWords</code>	<code>_CapWords</code>
Exceptions	<code>CapWords</code>	
Functions	<code>lower_with_under()</code>	<code>_lower_with_under()</code>
Global/Class Constants	<code>CAPS_WITH_UNDER</code>	<code>_CAPS_WITH_UNDER</code>
Global/Class Variables	<code>lower_with_under</code>	<code>_lower_with_under</code>
Instance Variables	<code>lower_with_under</code>	<code>_lower_with_under</code> (protected) or <code>__lower_with_under</code> (private)
Method Names	<code>lower_with_under()</code>	<code>_lower_with_under()</code> (protected) or <code>__lower_with_under()</code> (private)
Function/Method Parameters	<code>lower_with_under</code>	
Local Variables	<code>lower_with_under</code>	

### IV. Technologies And Versions

#### ✚ TECHNOLOGIES

- Spring boot framework
- HTML/CSS
- JavaScript
- Spring thymeleaf layout
- JQuery

#### ✚ BACK-END

- SDK 1.8 version 1.8.0\_291
- Java 8
- Web API: Spring-boot 2.5.1 (Maven)

#### ✚ FRONT-END

- ✓ Thymeleaf master layout

- ❖ ADMIN\_PAGE
  - Template: AdminLTE v3.1.0
  - Bootstrap version 4.6.0
- ❖ CLIENT\_PAGE AND EMPLOYEE\_PAGE
  - Template: <https://www.free-css.com/free-css-templates/page253/style-barber>
  - Bootstrap version v4.1.0

#### DATABASE

- MySQL 8.0
- MySQL Workbench 8.0 CE

## V. Hardware And Software Requirements

### Server Requirement

#### ❖ Hardware

Component	Requirement
<b>CPU</b>	Processor type: Pentium IV-compatible processor or faster Processor speed: Recommended: 2.0 GHz or faster
<b>OS</b>	Microsoft Windows Server 2012 with IIS
<b>Memory (RAM)</b>	RAM: Minimum: 512 MB Recommended: 2 GB or more
<b>Hard Drive</b>	Free space: Minimum: 200 MB Recommended: 50 GB or more Maximum: Operating system maximum

#### ❖ Software

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Component	Requirement
RDBMS	MySQL 8.0
DATABASE UI	MySQL Workbench 8.0 CE
IDE	IntelliJ IDEA Community

#### Client Requirement

##### ❖ Hardware

Component	Requirement
CPU	Processor type: Pentium III-compatible processor or faster Processor speed: Recommended: 1.0 GHz or faster
OS	All OS (Window, Linux, Android, Mac OS ...)
Memory (RAM)	RAM: Minimum: 512 MB Recommended: 1 GB or more Maximum: Operating system maximum
Hard Drive	Free space: Minimum: 10 MB

##### ❖ Software

Component	Requirement
Web Browser	Chrome, Opera (up to date)



## Task Sheet 1

Project Ref. No.: <b>BARBERIA</b>		Project Title:	Activity Plan Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Introduction and Problem Definition	<b>BARBERIA</b>	<b>Le Minh</b>	12/07/2021	5	<b>All Members</b>	100%
2	Application Description			12/07/2021	5		100%
3	Table Design						
4	System Requirement Specification			12/07/2021	5		100%
5	Architecture						

**Date: 22/7/2021**

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Signature of Instructor:

**MR. NGO PHUOC NGUYEN**

Signature of Team Leader:




**Le Minh**

# REVIEW 2

## **VI. Function Includes**

- 1) Admin login system
- 2) Security – Authentication and Authorization
- 3) Client login system
- 4) Booking system
- 5) Payment method (cash)
- 6) Payment with MOMO wallet
- 7) Reports payment printing

## **VII. Modules**

-  **Visitors** (Customer without registry)
-  **Registered Users** (Customer)
-  **Administrator** (Employee)

### **1. Visitor modules**

- a) View salon information
- b) Sending message to Admin
- c) Register new account
- d) Making booking online
- e) Making a feedback

## **2. Registered Users modules**

- a) Add their nickname
- b) Edit their nickname
- c) Making booking online
- d) Change password
- e) View booking detail
- f) View booking history
- g) Delete booking history
- h) Rating stylist
- i) Add complaint
- j) Edit complaint

## **3. Employee Modules**

### **ROLE\_MANAGER**

- a) Check-in
- b) Update personal information
- c) Change password
- d) Take turn with booking
- e) View personal information
- f) View their history turn
- g) View amount they make
- h) View booking list
- i) View personal salary
- j) View all staff salary
- k) View all staff information
- l) [Login to Admin page](#)
- m) Contact to Admin
- n) View feedback
- o) Making payment

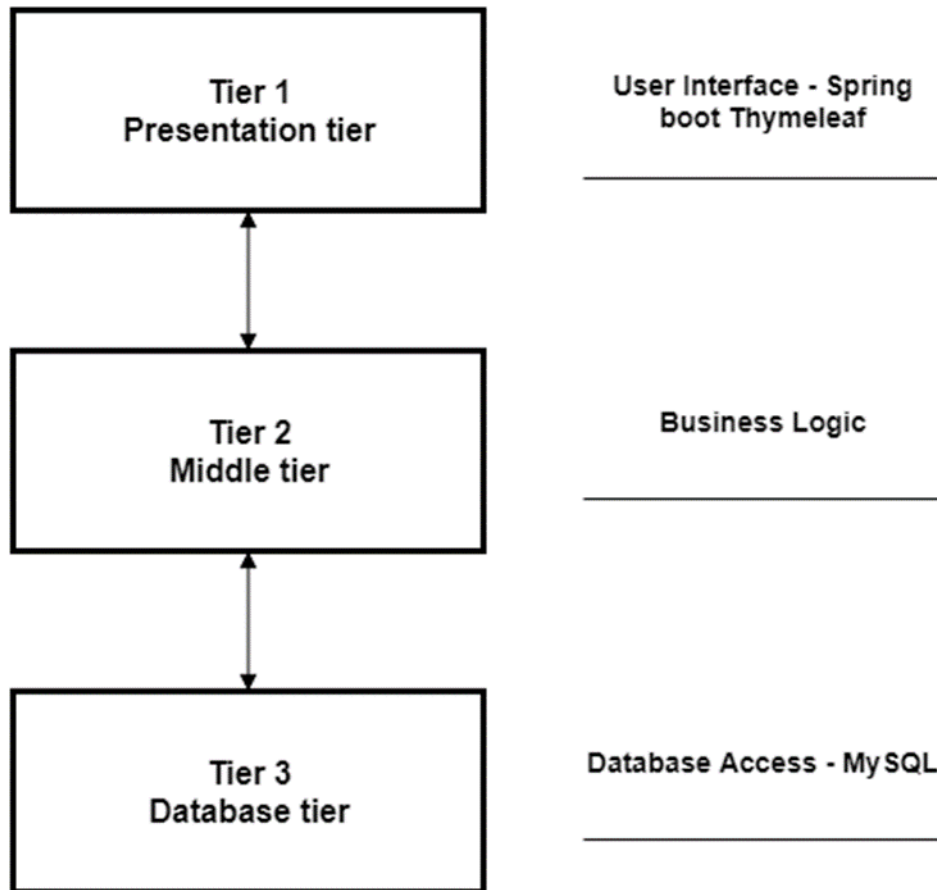
## **4. Administrator Modules**

### **ROLE\_ADMIN**

- a) [Login to Admin page](#)
- b) Register new employee
- c) New Admin
- d) Mange feedback
- e) Edit role of the employee
- f) View employee information
- g) Edit employee information
- h) Delete employee
- i) View reports

- j) View employee work-days
- k) Sending email to employee
- l) Change password
- m) Add new salon location
- n) Update salon information

## **VIII. Architecture And The Design Of The Project**



## IX. Tables Design

### 1. Salon (info)

<b>id</b>	int	<b>PK</b>
<b>salon_name</b>	Varchar(200)	
<b>address</b>	Varchar(200)	
<b>email</b>	Varchar(200)	
<b>Thumbnail_url</b>	Varchar(200)	
<b>phone_number</b>	Varchar(100)	
<b>opened_hour</b>	Time	

<b>Closed_hour</b>	Time	
<b>minute_in_one_time_slot</b>	int	
<b>is_available_for_online_booking</b>	bit	
<b>number_of_turn_in_one_time_slot</b>	int	
<b>is_opened</b>	bit	
<b>is_car_parking_available</b>	bit	

## 2. Employee

<b>id</b>	Long	<b>PK</b>
<b>Nick_name</b>	Varchar(100)	
<b>phone_number</b>	Varchar(100)	
<b>password</b>	Varchar(255)	
<b>first_name</b>	Varchar(100)	
<b>last_name</b>	Varchar(100)	
<b>role</b>	Varchar(50)	"ROLE_ADMIN", "ROLE_MANAGER", "ROLE_STAFF"
<b>gender</b>	bit	
<b>salon_id</b>	Long	FK
<b>Thumbnail_url</b>	Varchar(200)	
<b>is_active</b>	bit	
<b>email</b>	Varchar(200)	
<b>home_address</b>	Varchar(200)	
<b>date_of_birth</b>	Date	
<b>is_online_booking_available</b>	bit	

## 3. Customer

<b>id</b>	Long	<b>PK</b>
<b>phone_number</b>	Varchar(100)	
<b>password</b>	Varchar(255)	
<b>nick_name</b>	Varchar(100)	
<b>email</b>	Varchar(200)	
<b>Is_membership</b>	bit	
<b>Membership_name</b>	Varchar(100)	

#### 4. Service

<b>id</b>	Long	<b>PK</b>
<b>service_name</b>	Varchar(100)	
<b>original_price</b>	double	
<b>time_consume</b>	int	
<b>is_discount</b>	bit	
<b>discount_price</b>	double	
<b>description</b>	Varchar(300)	

#### 5. Booking

<b>id</b>	Long	<b>PK</b>
<b>customer_id</b>	Long	FK
<b>Salon_id</b>	Long	FK
<b>chosen_time_slot</b>	Timestamp	
<b>description</b>	String	
<b>Status</b>	Varchar(50)	“online”, “check-in”, “payment”, “cancel”, “serving”
<b>employee_id</b> (optional)	Long	FK

#### 6. Booking details

<b>id</b>	Long	<b>PK</b>
<b>booking_id</b>	Long	FK
<b>service_id</b>	Long	FK

#### 7. Turn

<b>id</b>	Long	<b>PK</b>
<b>employee_id</b>	Long	FK
<b>booking_id</b>	Long	FK
<b>status</b>	Varchar(50)	“done”, “notyet”

#### 8. Payment

<b>id</b>	Long	<b>PK</b>
<b>turn_id</b>	Long	FK



<b>total_price</b>	double	
<b>payment_method</b>	Varchar(100)	

## 9. Feedback

<b>id</b>	Long	<b>PK</b>
<b>Full_name</b>	Varchar(100)	
<b>email</b>	Varchar(255)	
<b>Phone_number</b>	Varchar(100)	
<b>comment</b>	Varchar(300)	

## 10. Hair\_style

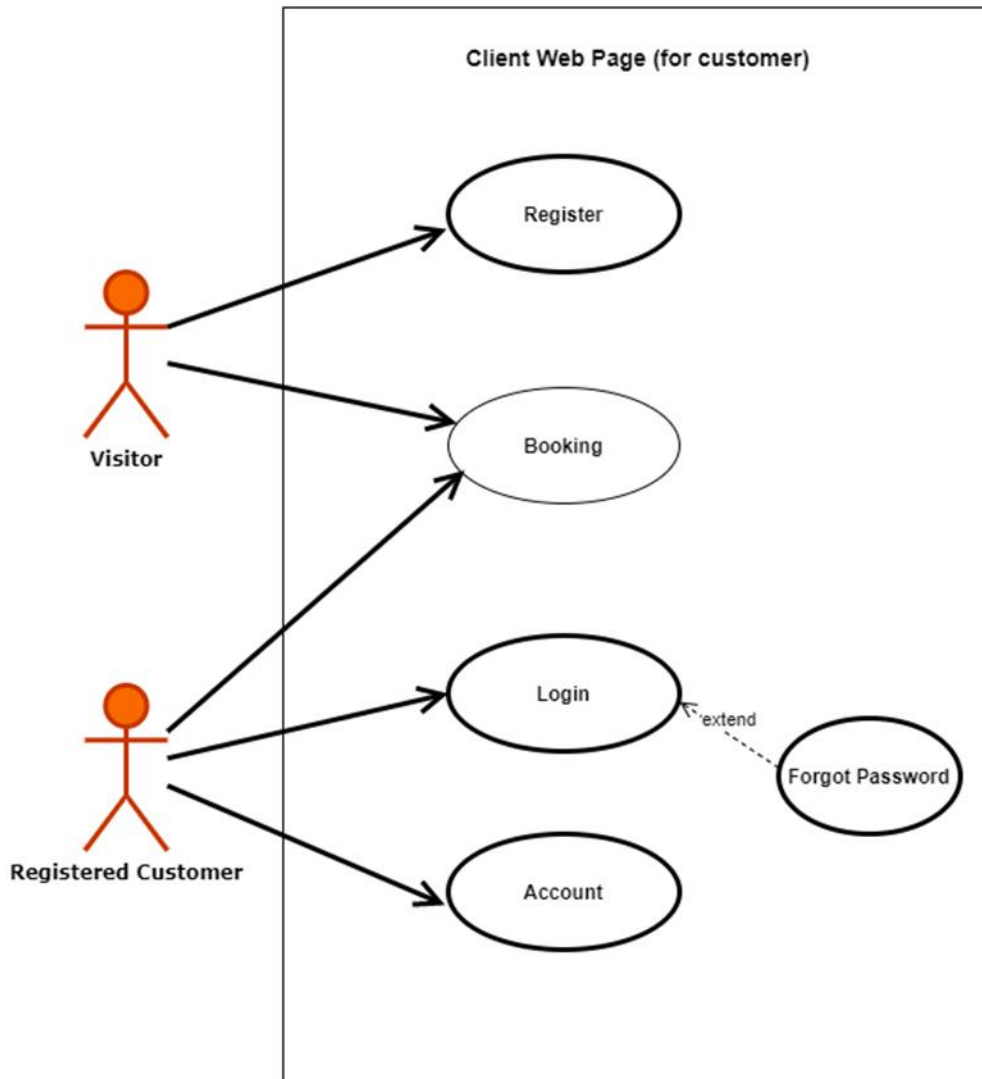
<b>Id</b>	Long	<b>PK</b>
<b>title</b>	Varchar(200)	
<b>Description</b>	Text(30000)	
<b>thumbnail</b>	Varchar(200)	

# X. Use Case

## 1. Client with Registry and Client without Registry

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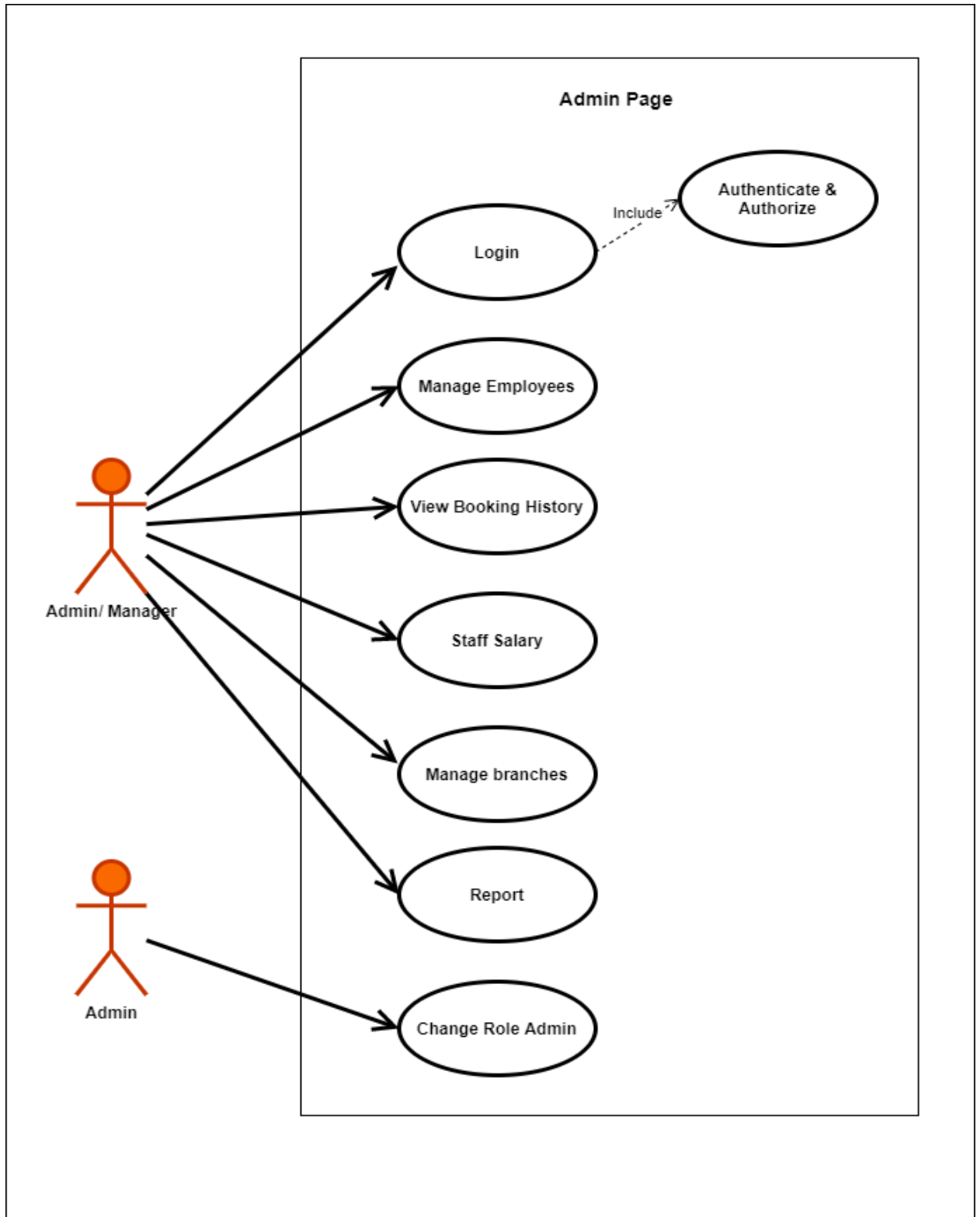
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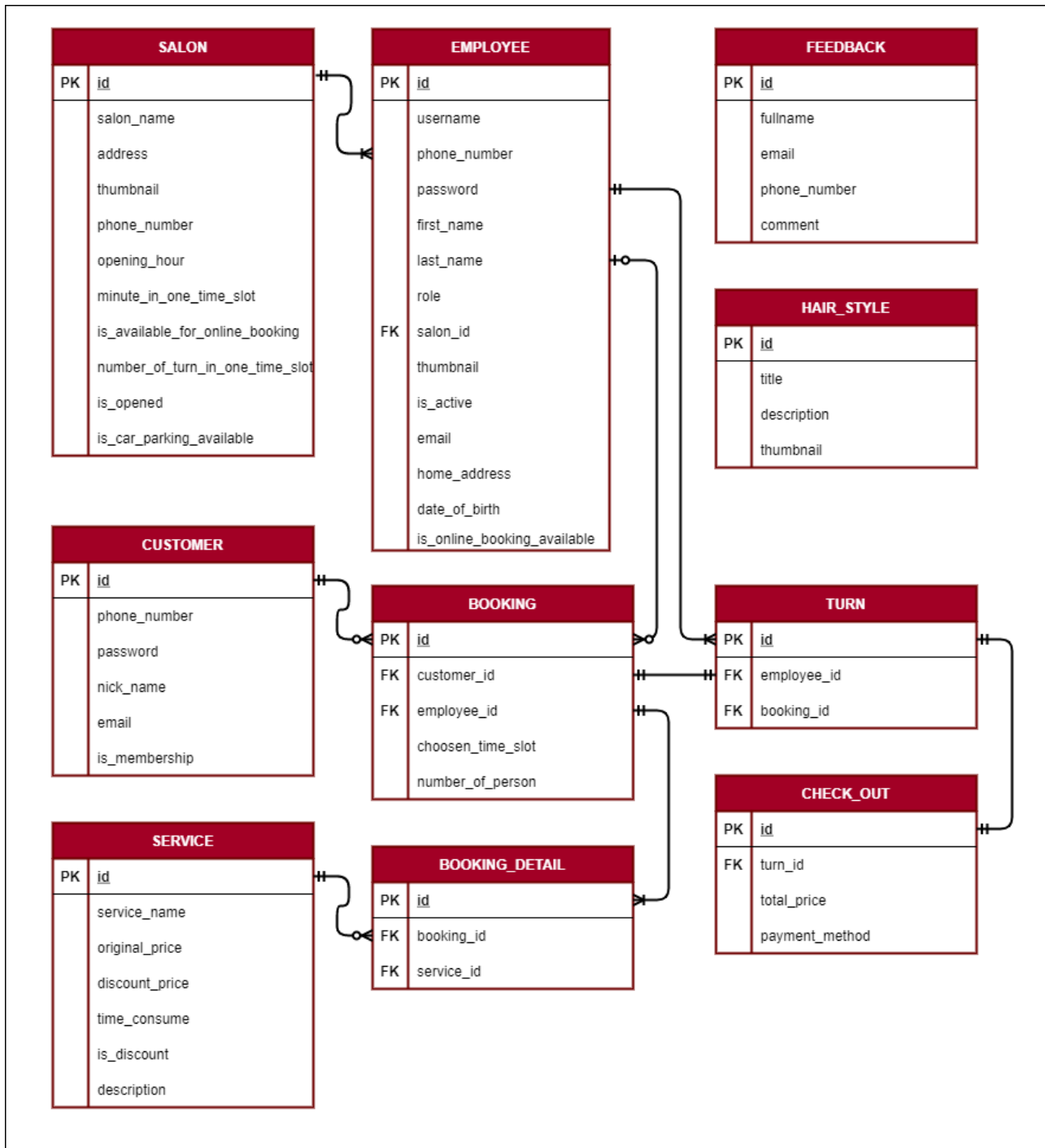
## 2. Staff & Man



### 3. Admin & Manager

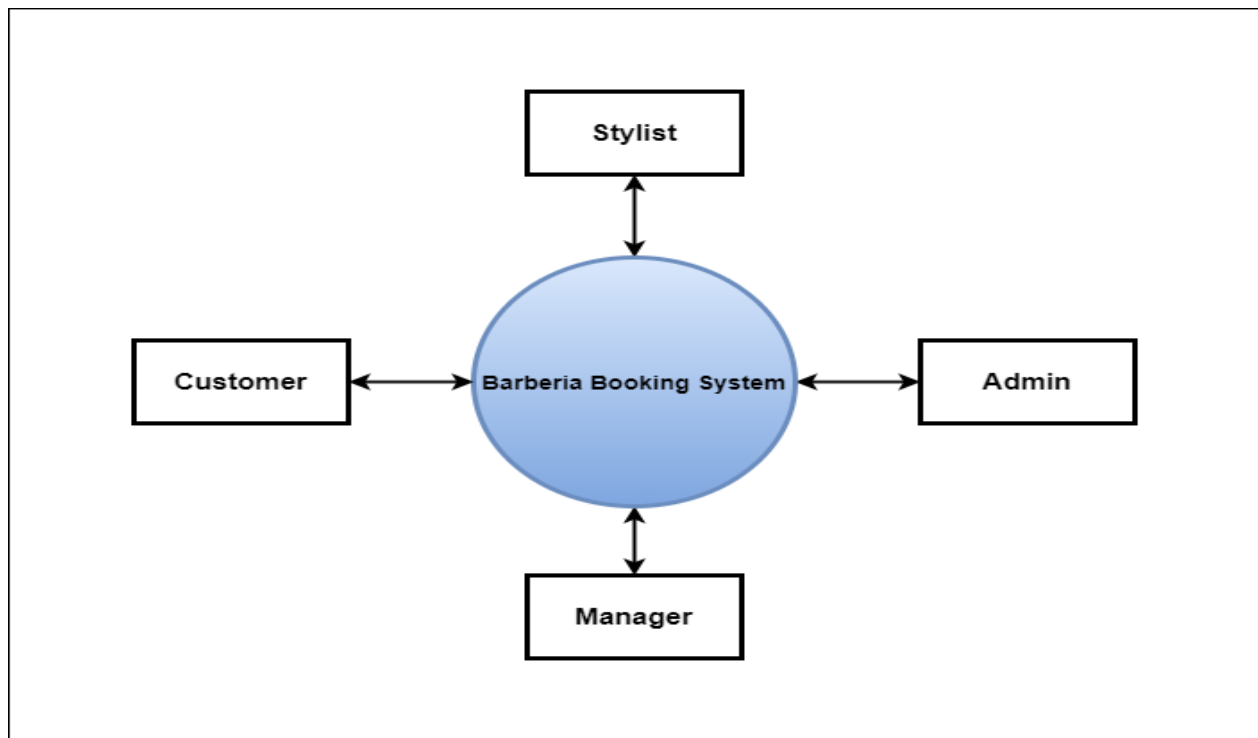


## XI. ERD

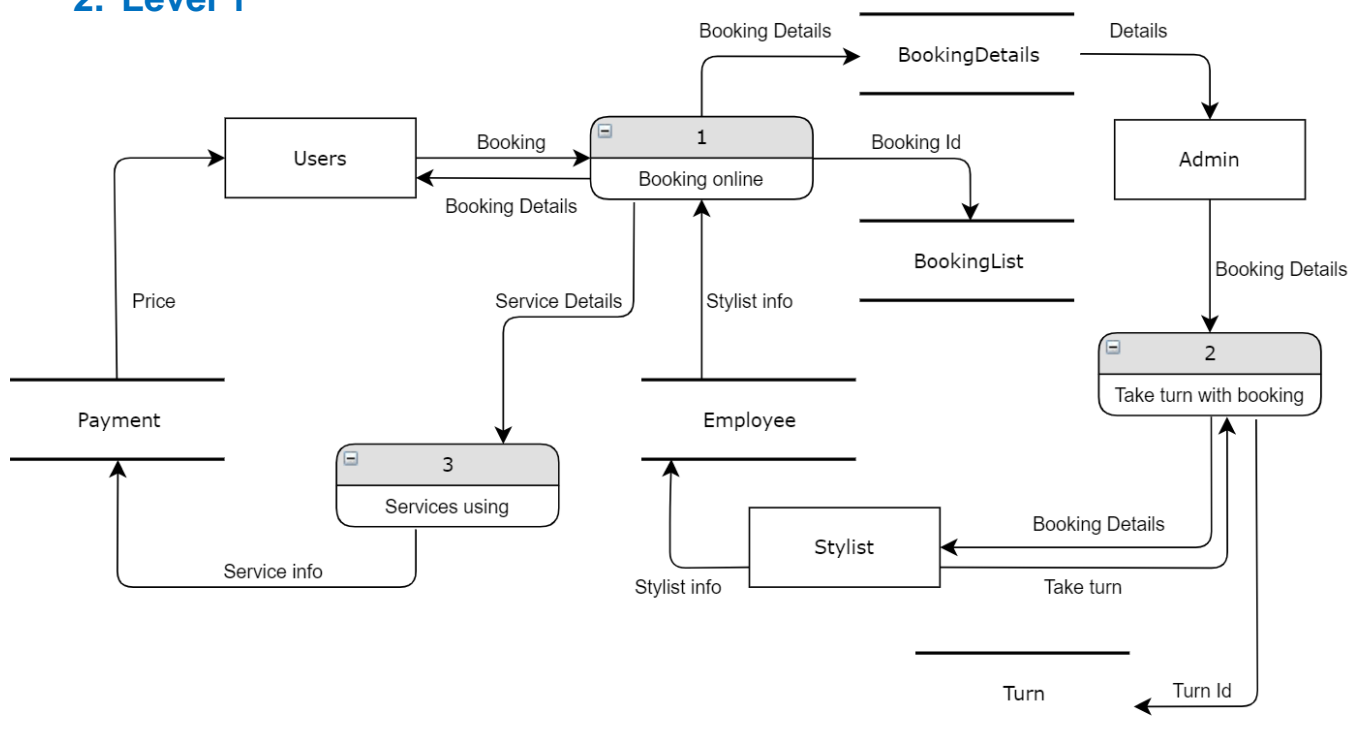


## XII. Data Flow Diagrams (DFDs)

### 1. Context Diagram (Level 0)



### 2. Level 1

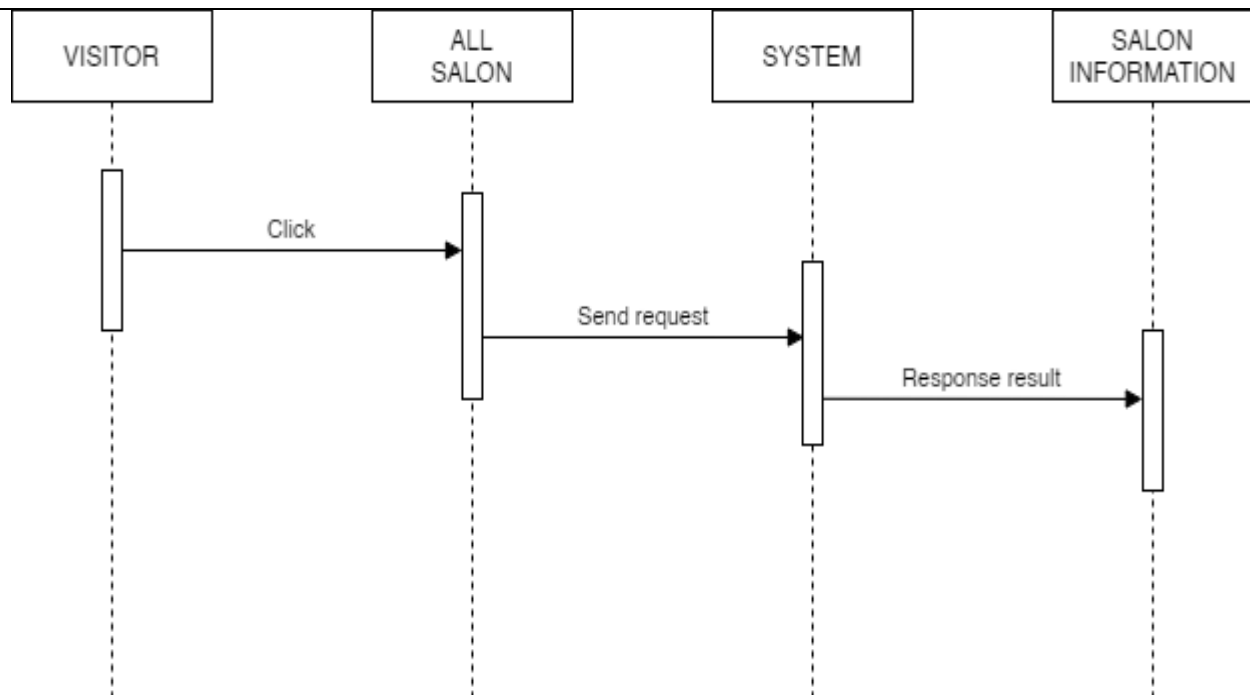


## **XIII. Sequence Diagrams**

### **1. Visitor**

#### **1.1. View salon information**

<b>Author</b>	Luong Vinh Hien	
<b>Use Case Name</b>	View salon information	
<b>Actors</b>	Visitor	
<b>Description</b>	The visitor can view all information of salon	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Click on Salon	Step 2: Display all details
<b>Alternative flow</b>	Step 3: Visitor can check location, open hour, image, number of staff....	



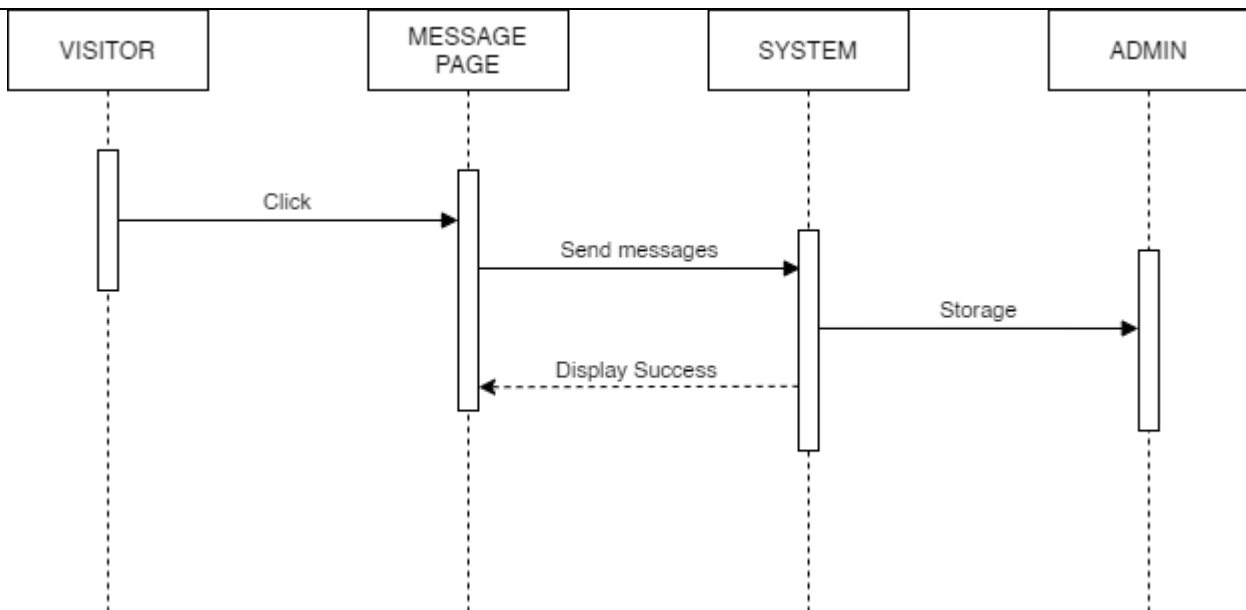
## 1.2. Sending message to Admin

<b>Author</b>	Luong Vinh Hien	
<b>Use Case Name</b>	Sending message to Admin	
<b>Actors</b>	Visitor	
<b>Description</b>	Visitor can send the message to Admin	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Click "Send Message"	Step 2: Add the message to data
<b>Alterative flow</b>	Step 3: Visitor can send the question, time, service....	



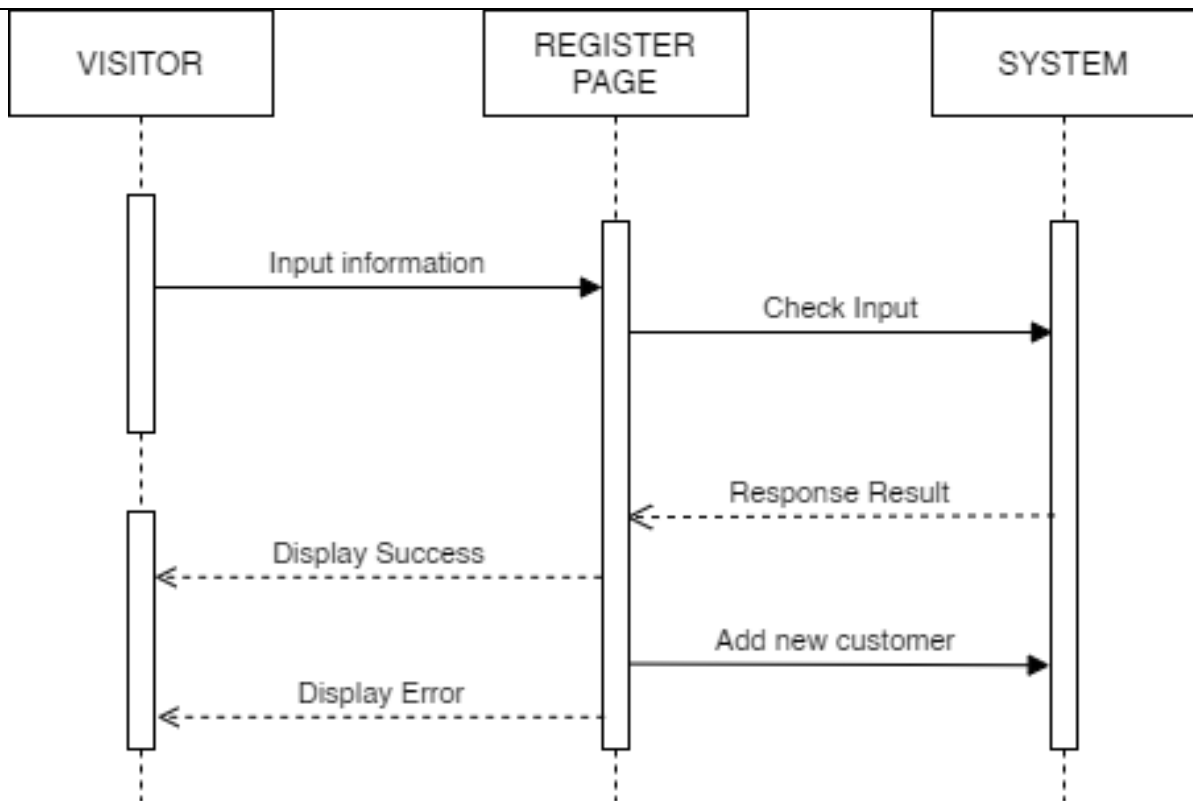
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### 1.3. Register new account

<b>Author</b>	Luong Vinh Hien	
<b>Use Case Name</b>	Register new account	
<b>Actors</b>	Visitor	
<b>Description</b>	Visitor can register all personal information and becomes a member	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Input information: Name, Email, Cellphone, Address, Password, Confirm password and click on Submit button	Step 2: Check the information Step 3: Create customer account Step 4: Show message to go to login screen.
<b>Alterative flow</b>	Step 3: Visitor can register with their information to get loyaty score, promotion or news of new trend.	

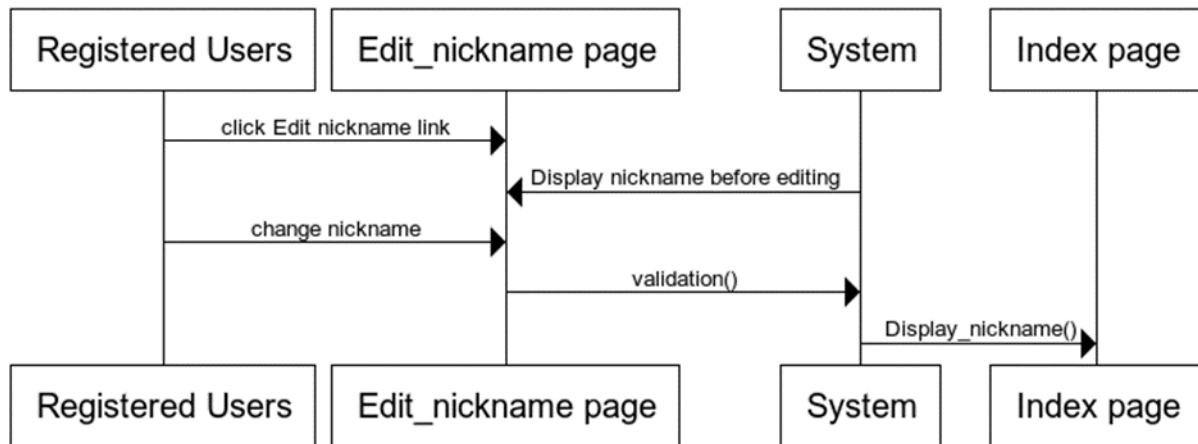


## 2. Registered user

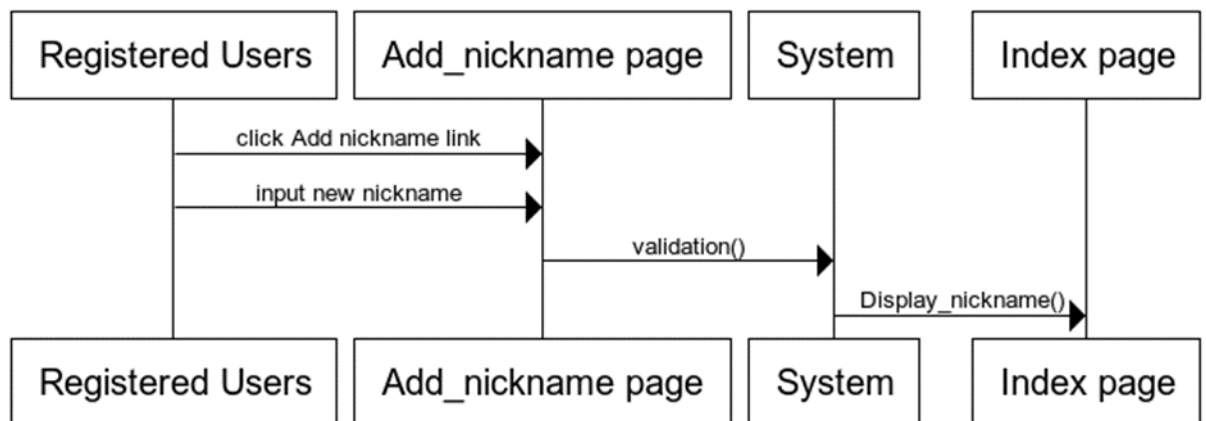
### 2.1. Add, edit nickname

<b>Author</b>	Hoang Thien An	
<b>Use Case Name</b>	Add nickname / Edit nickname	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can add or edit their nicknames to support easier contact	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	1. User click on add nickname or edit nickname in the dropdown list of phone number 3. Click Save button after changing nickname	2. Redirect to Add nickname or Edit nickname page. Edit page will show the nickname in use 4. The data will be saved into database
<b>Alterative flow</b>		

### Edit nickname



### Add nickname

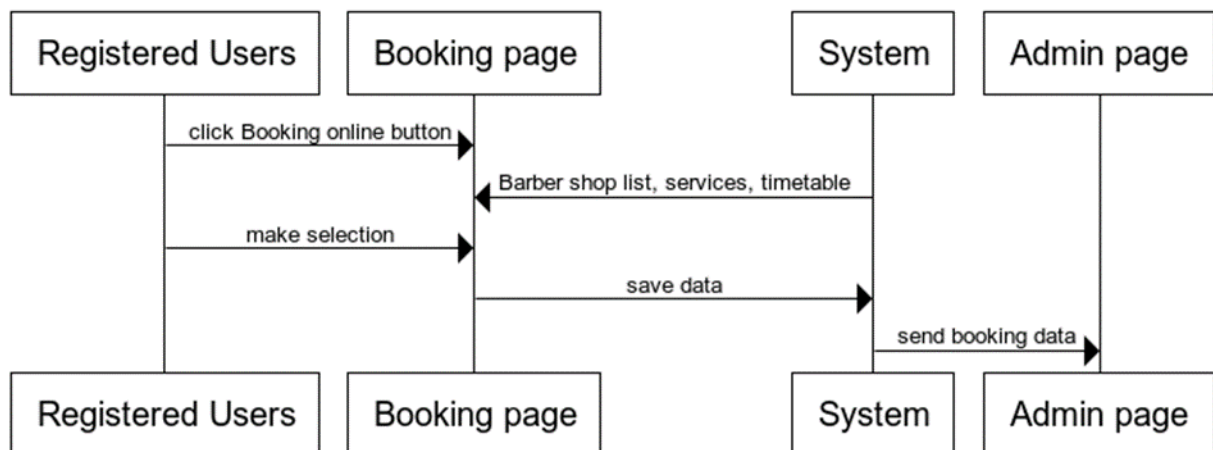


## 2.2. Making Booking online

<b>Author</b>	Lê Minh	
<b>Use Case Name</b>	Making booking online	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can also making booking online like visitor	
	<b>Actor Action</b>	<b>System Responses</b>

<b>Basic Flow</b>	1. User click on Booking now button to make booking online 3. User make selection and click complete button	2. Redirect to Booking page, show barber shop list, services, timetable. 4. The booking information will be forwarded to admin
<b>Alterative flow</b>		

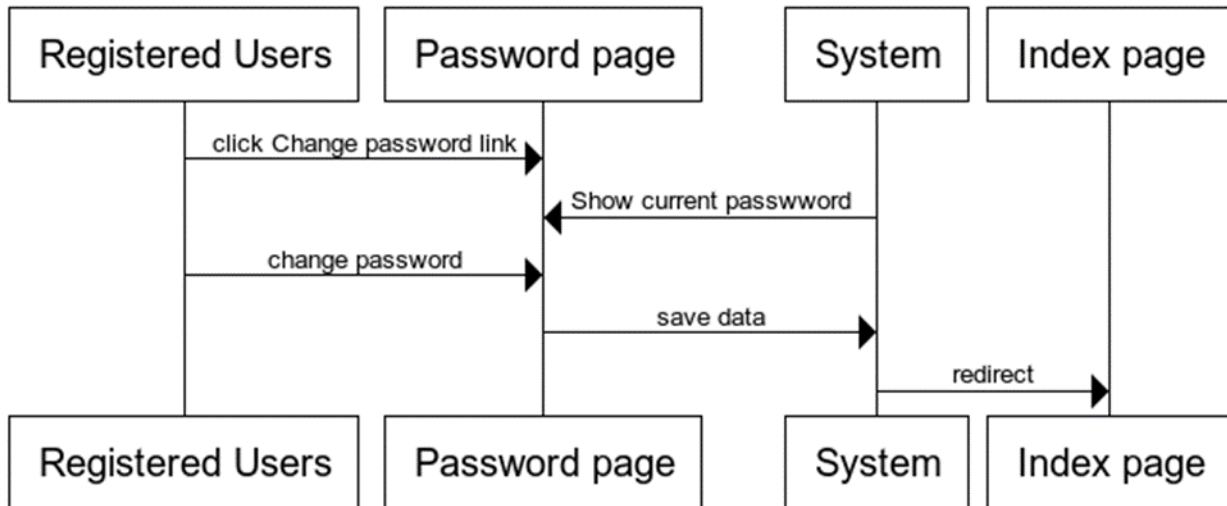
### Making booking online



### 2.3. Change password

<b>Author</b>	Hoang Thien An	
<b>Use Case Name</b>	Change password	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can change their password	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	1. User click Change password link 3. Change password, click submit	2. Redirect to Password page, show current password
<b>Alterative flow</b>		

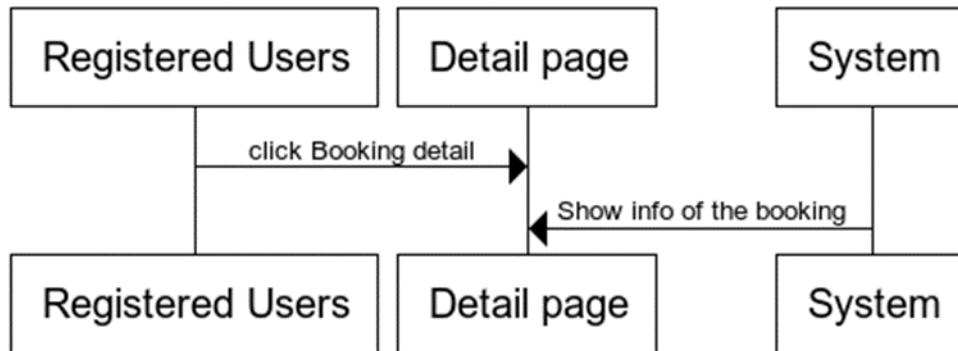
### Change password



### 2.4. View Booking detail

<b>Author</b>	Hoang Thien An	
<b>Use Case Name</b>	View booking detail	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can view the booking information in detail	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	User click on Booking detail after click complete button in Booking page	Show all info of the booking user has just entered
<b>Alterative flow</b>		

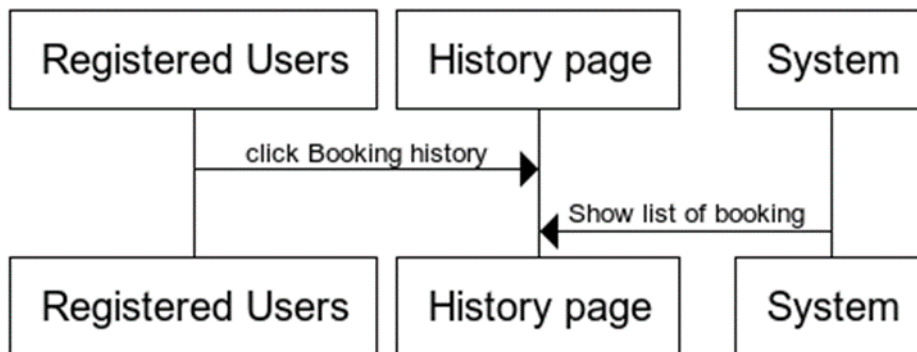
### View booking detail



## 2.5. View Booking History

<b>Author</b>	Hoang Thien An	
<b>Use Case Name</b>	View booking history	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can view their booking history	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	1. User click on service used history in dropdown list of the phone number	2. Display all services + booking info that user have used
<b>Alterative flow</b>		

### View booking history



### 2.6. Delete booking history

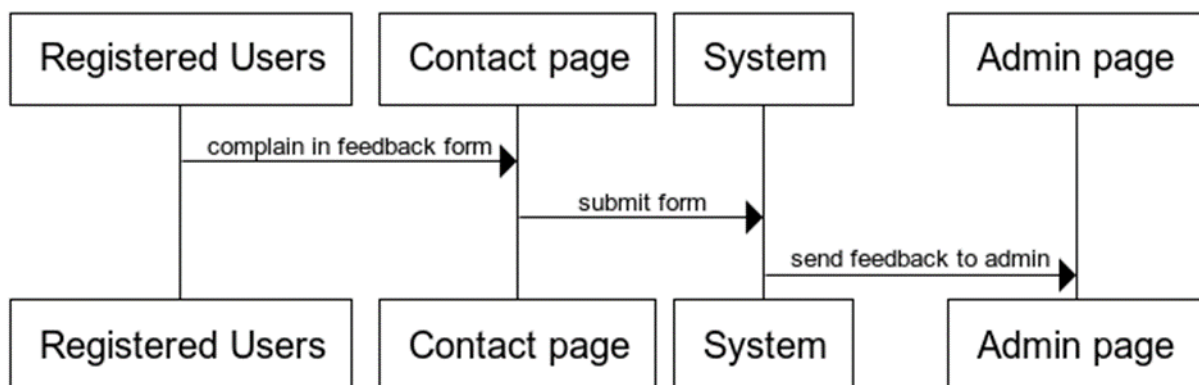
<b>Author</b>	Hoang Thien An	
<b>Use Case Name</b>	Delete booking history	
<b>Actors</b>	Registered Users	
<b>Description</b>	Registered Users can delete their booking history if they want	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	User click on delete all in page service used history	Delete all services history user used
<b>Alterative flow</b>		

### 2.7. Add complaint

<b>Author</b>	Hoang Thien An
<b>Use Case Name</b>	Add complain
<b>Actors</b>	Registered Users

<b>Description</b>	Registered Users can complain if they unsatisfied with the hairstyle they want	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	User can complain in feedback form if they are unsatisfied	The form will send to admin
<b>Alterative flow</b>		

### Add complain



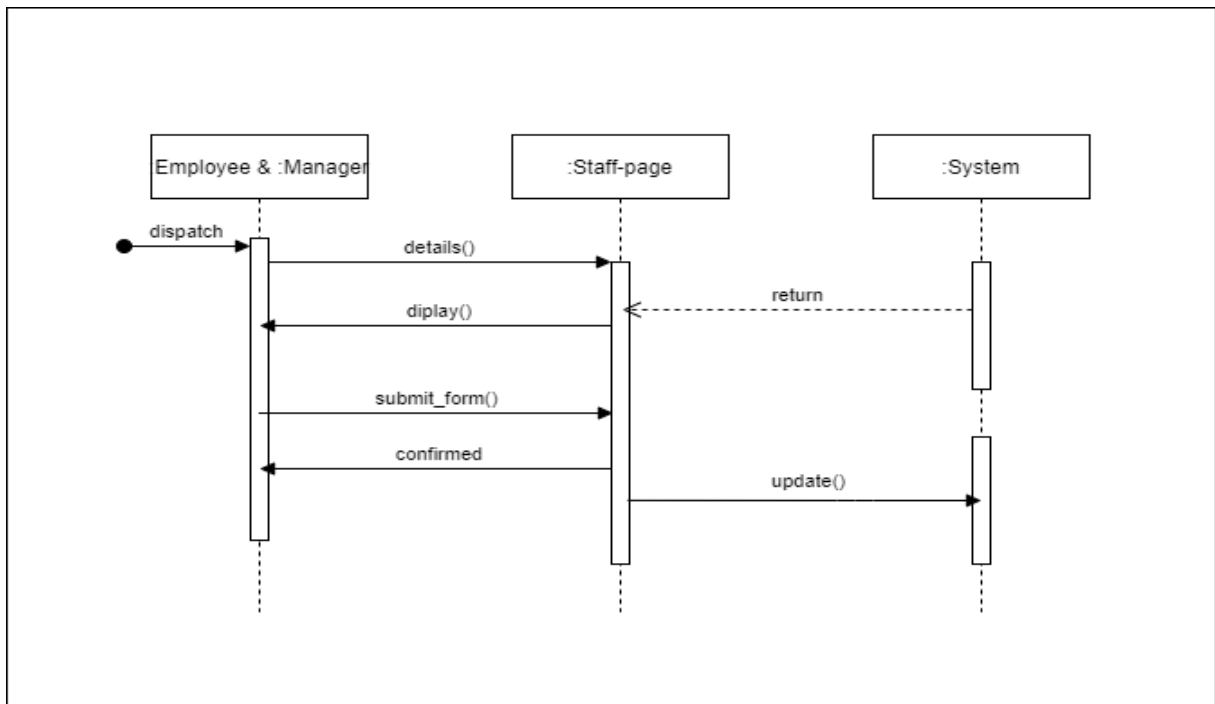
## 3. Manager

### 3.1. Update personal information

<b>Author</b>	Le Minh	
<b>Use Case Name</b>	Update personal information	
<b>Actors</b>	Manager	
<b>Description</b>	The employee has change home address , phone number, email	
	<b>Actor Action</b>	<b>System Responses</b>



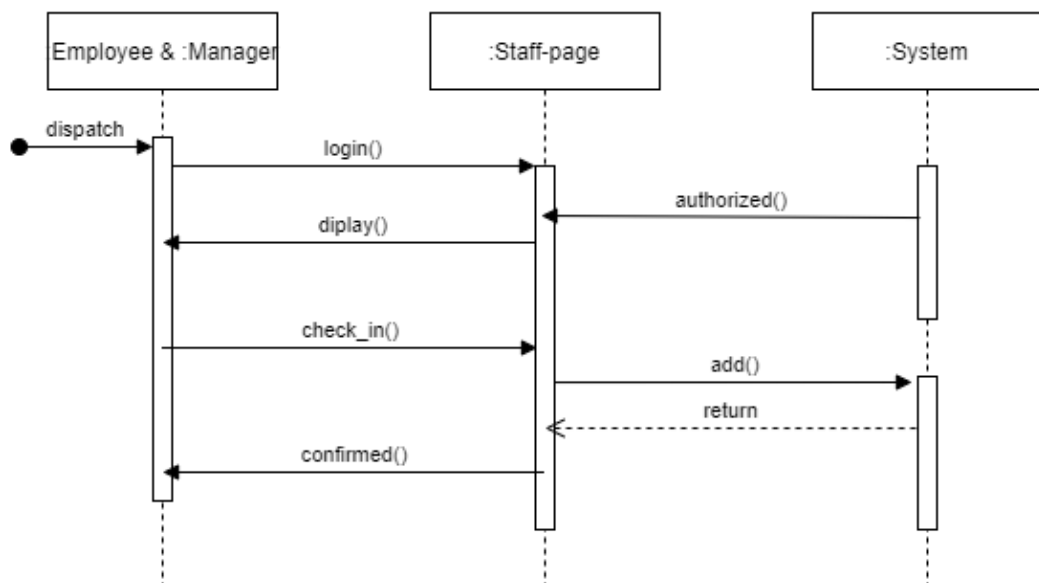
<b>Basic Flow</b>	Step 1: Click on details Step 3: Click on update Step 5: Input edit information Step 6: Confirmed	Step 2: Display all details Step 4: Show the update form
<b>Alterative flow</b>		



### 3.2. Take turn with booking

<b>Author</b>	Le Minh	
<b>Use Case Name</b>	Take turn with booking	
<b>Actors</b>	Manager	
<b>Description</b>	The manager will match the employee with the appointment that has been check-in in shop	
	<b>Actor Action</b>	<b>System Responses</b>

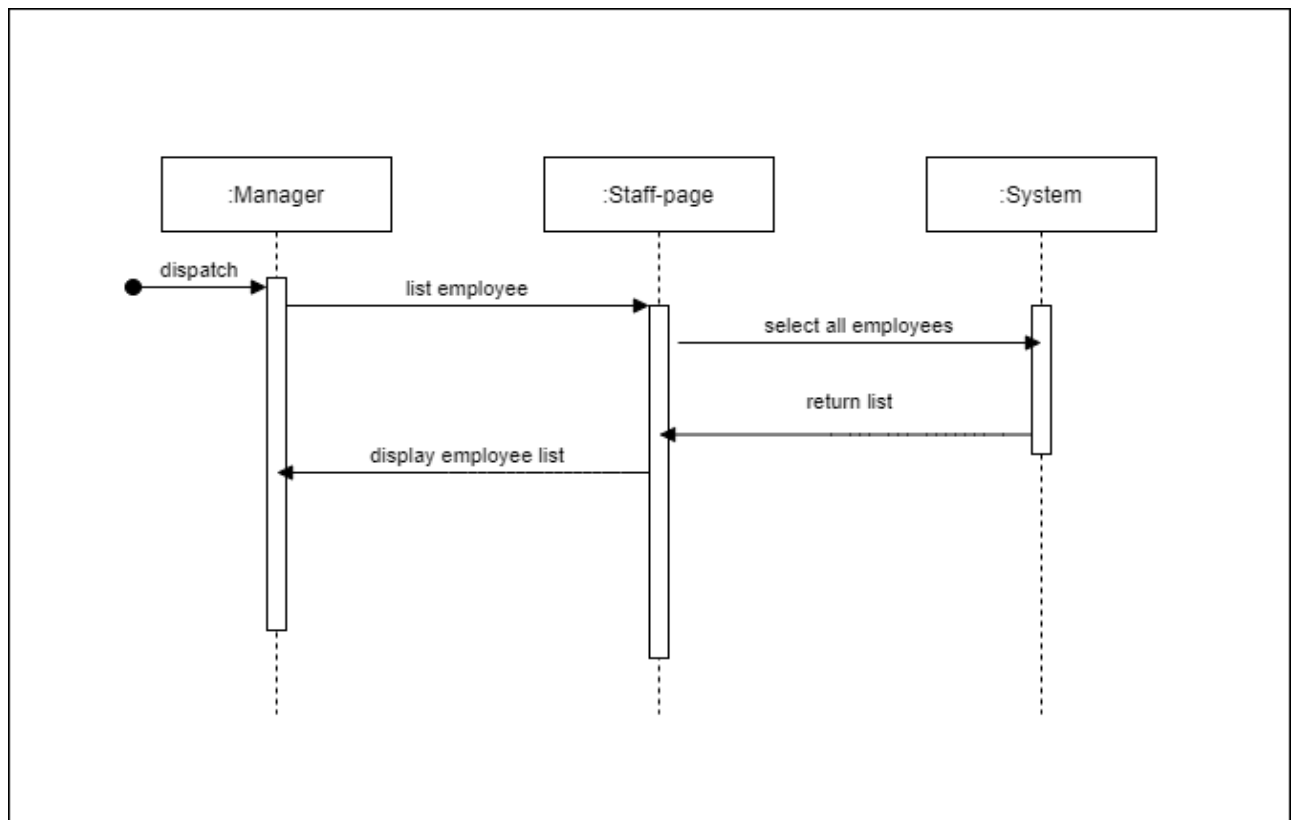
<b>Basic Flow</b>	<p>Step 1: Click on show waiting list</p> <p>Step 4: Select employee</p> <p>Step 5: Click confirm</p>	<p>Step 2: Choose the appointment</p> <p>Step 3: Show detail appointment and show dropdown employee list</p> <p>Step 6: Add to Turn table</p>
<b>Alterative flow</b>		



### 3.3. View employee history turn

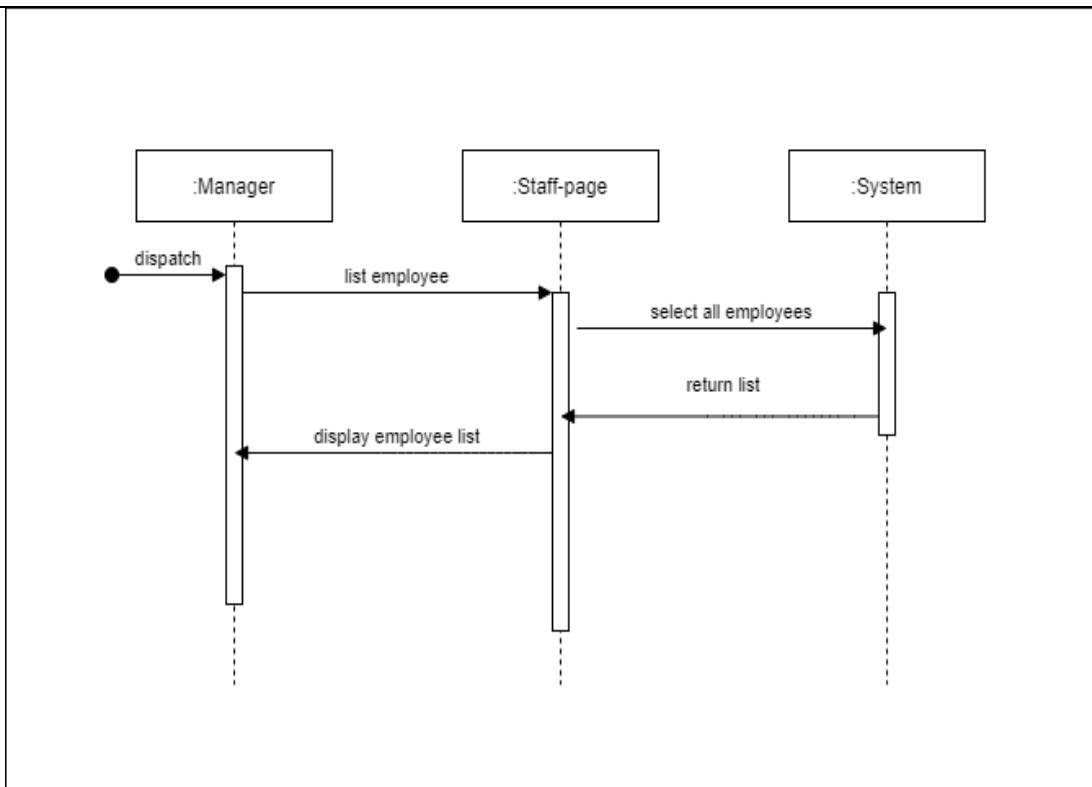
<b>Author</b>	Le Minh
<b>Use Case Name</b>	View employee history turn
<b>Actors</b>	Employee

<b>Description</b>	The employee can check their turn in a day	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Click on details	Step 2: Display all details
<b>Alterative flow</b>	Step 3: They can check their amount , that they make	Step 4: Click “Home”



### 3.4. View all staff information

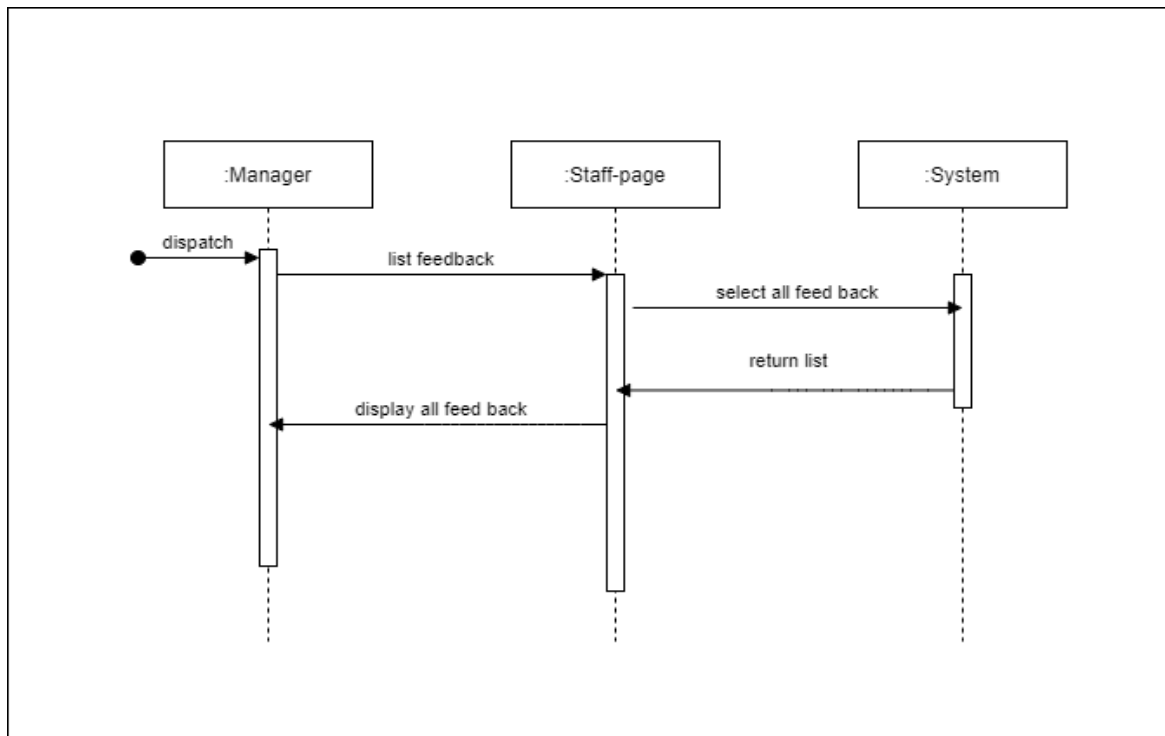
<b>Author</b>	Le Minh	
<b>Use Case Name</b>	View all staff information	
<b>Actors</b>	Manager	
<b>Description</b>	The manager can view all staffs information in their store, view their salary	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Click on employee list button Step 3: Click on a specific employee	Step 2: Display all employee Step 4: display employee's details
<b>Alterative flow</b>		



### 3.5. View feedback

<b>Author</b>	Le Minh	
<b>Use Case Name</b>	View feedback	
<b>Actors</b>	Manager and Admin	
<b>Description</b>	The manager can view feedback from customer	
	<b>Actor Action</b>	<b>System Responses</b>

<b>Basic Flow</b>	<p>Step 1: Click on feedback list</p> <p>Step 3: Click on a specific feedback</p>	<p>Step 2: Display all feedback</p> <p>Step 4: display customer feedback</p>
<b>Alternative flow</b>		



### 3.6. Making payment

<b>Author</b>	Le Minh
<b>Use Case Name</b>	Making payment
<b>Actors</b>	Manager, customer

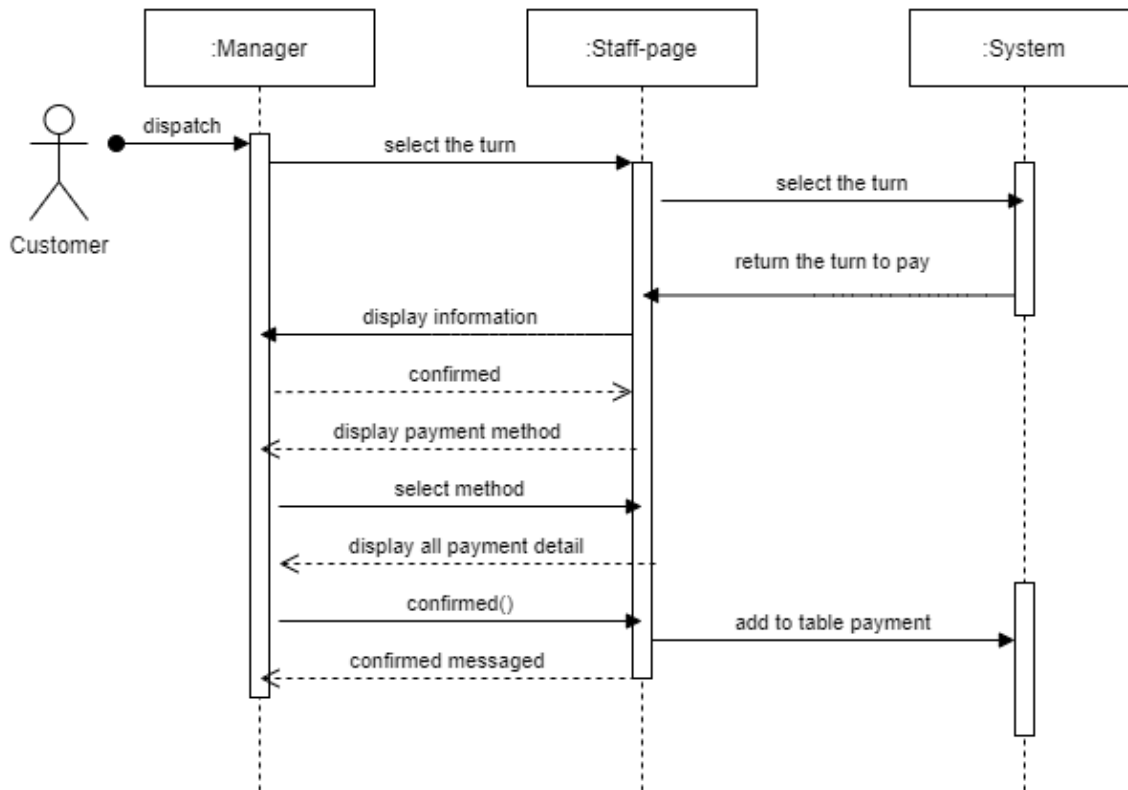
## FPT ACADEMY INTERNATIONAL

### FPT – APTECH COMPUTER EDUCATION

<b>Description</b>	The customer after finish their service, they come to front table and make payment	
	<b>Actor Action</b>	<b>System Responses</b>
<b>Basic Flow</b>	Step 1: Click on Turn table list Step 2: Choose the customer appointment Step 4: Confirm to next step Step 6: Choose the payment medthod and click confirm to next step Step 8: Confirm	Step 3: Display information of the appointment Step 5: Display form of payment method Step 7: Display all payment detail
<b>Alterative flow</b>	Step 9: Click “No”	Step 10: Go back to turn table list

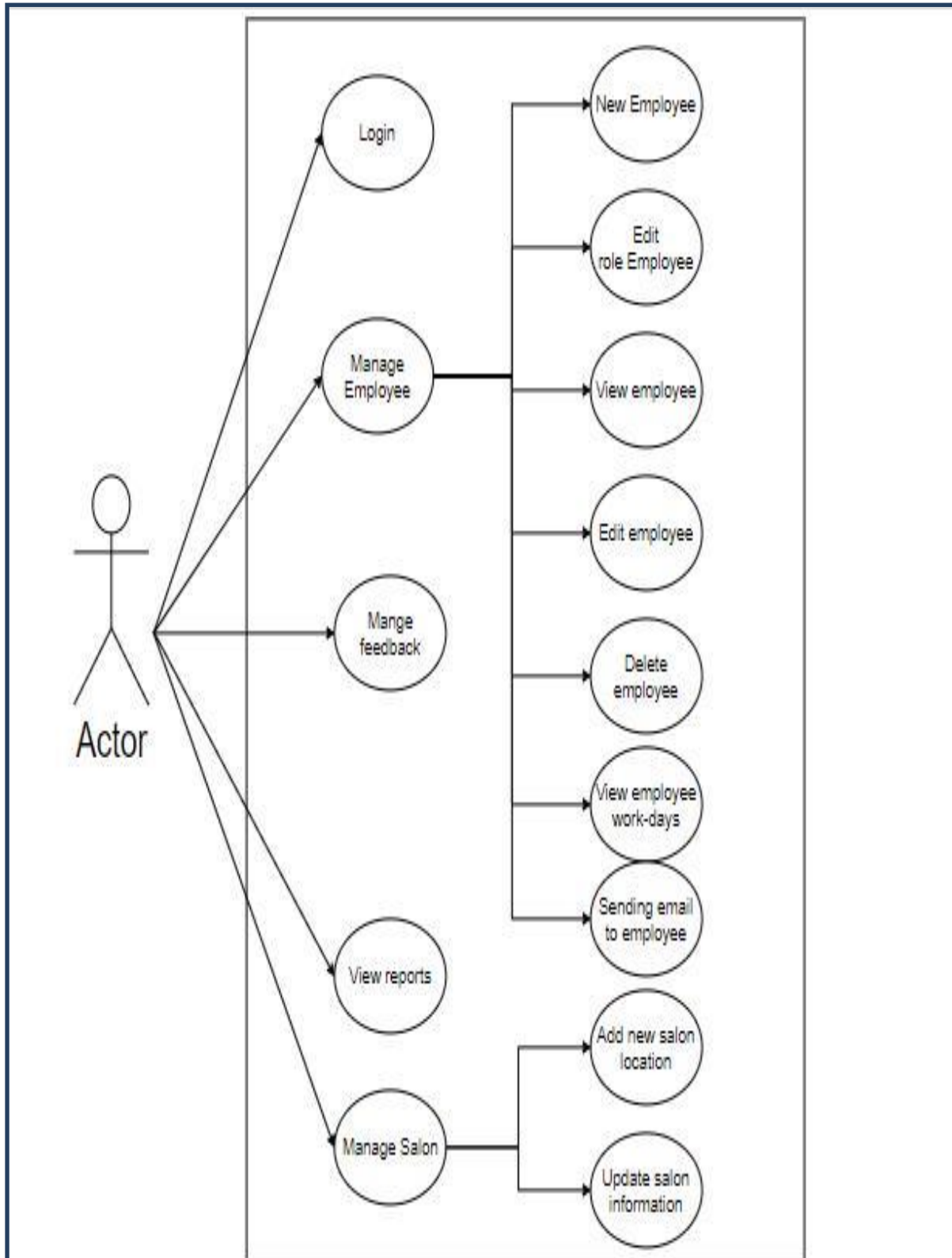
# FPT ACADEMY INTERNATIONAL

## FPT – APTECH COMPUTER EDUCATION



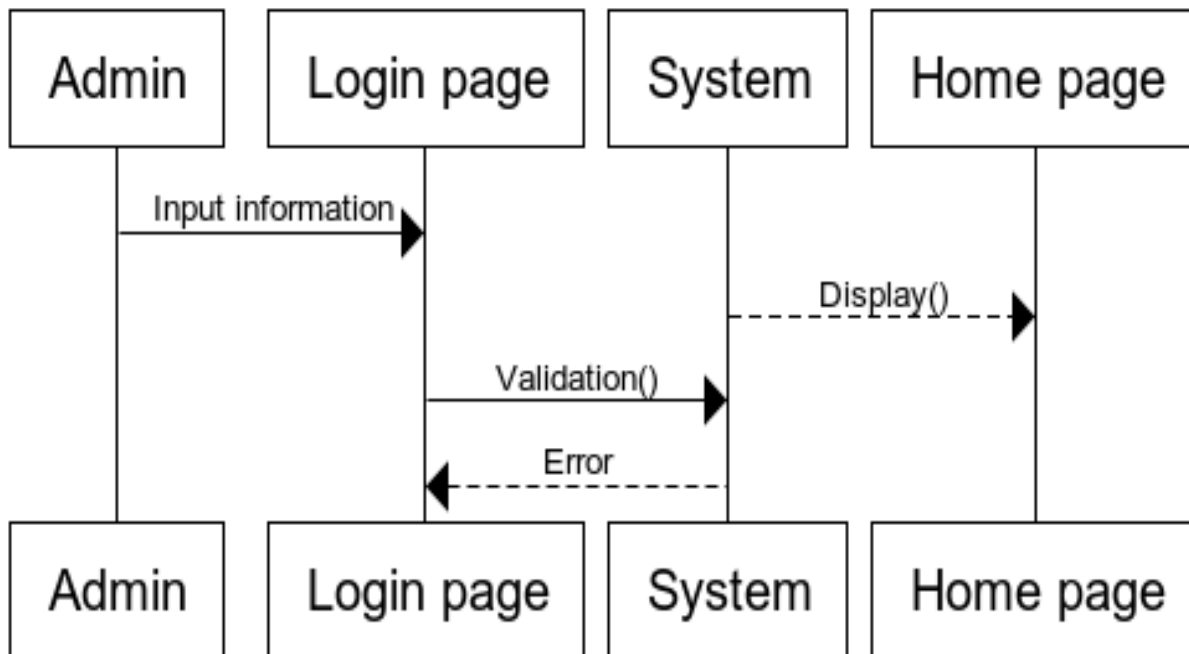


#### 4. Administrator



#### 4.1. Login

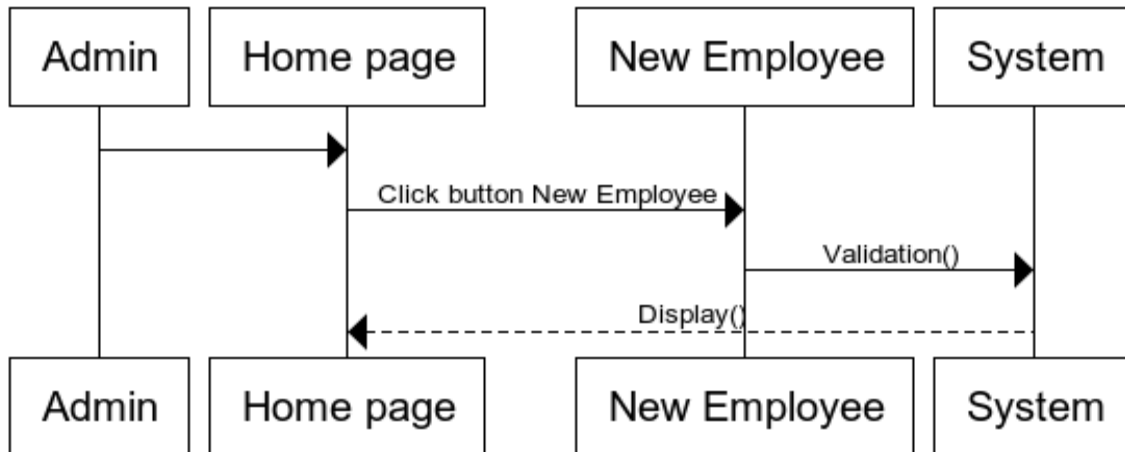
<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	Login	
<b>Actors</b>	Admin	
<b>Description</b>	Admin log in with their registered email and password.	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Input email and password and clicks on Submit button	2. System check email and password [Exception 1] 3. System tracks the user's information and display Home page
<b>Exception</b>	[Exception 1] 1. Actor left the Email blank 2. Actor left the Password blank 3. Actor inputs wrong email or password	Display error message: - "Email can not be blank" - "Password can not be blank" - "Wrong email or Password"



#### 4.2. New Employee

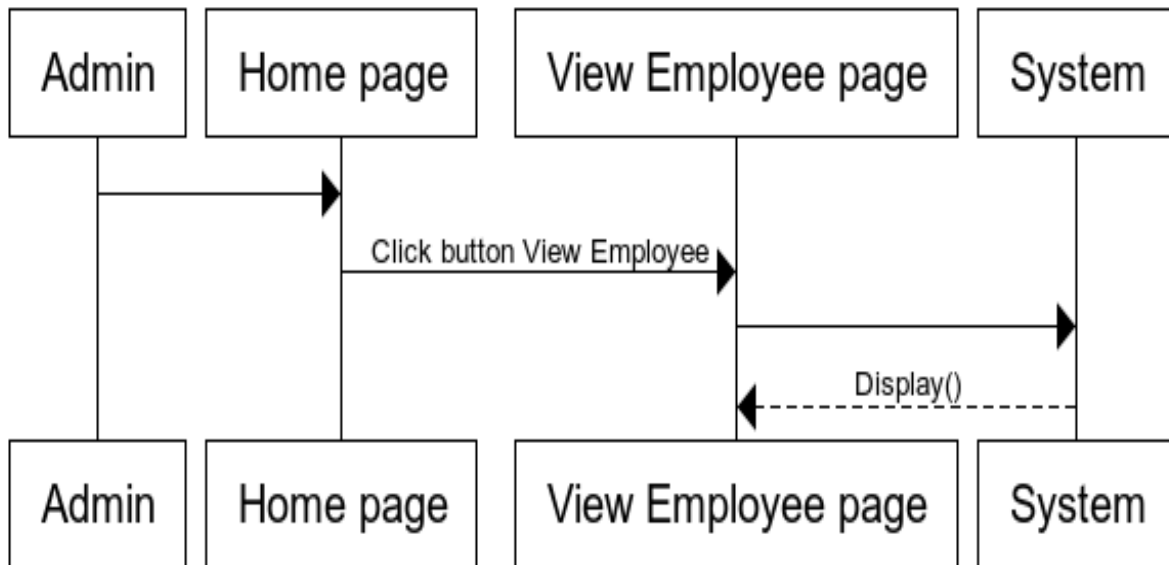
<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	New employee	
<b>Actors</b>	Admin	
<b>Description</b>	Admin click button new employee to create new employee	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor input: phone number, password, first name, last name, role, salon id, thumbnail, is active, nickname, email, home address, date of birth, is available, is online booking available	2. System check the information [Exception 1] 3. Create new employee to data in employee table

<b>Exception</b>	[Exception 1] 1. Actor left all field blank	Display error message: - all field “can not blank”
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#### 4.3. View Employee

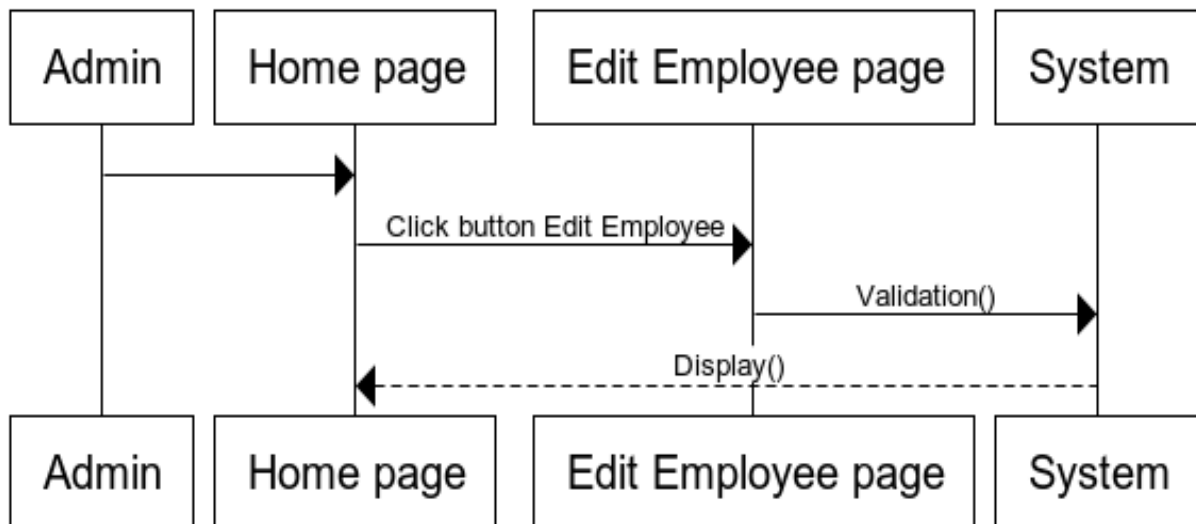
<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	View employee	
<b>Actors</b>	Admin	
<b>Description</b>	Admin clicks View employee button to view employee information	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor click view employee	2. Display employee information
<b>Exception</b>		



#### 4.4. Edit employee

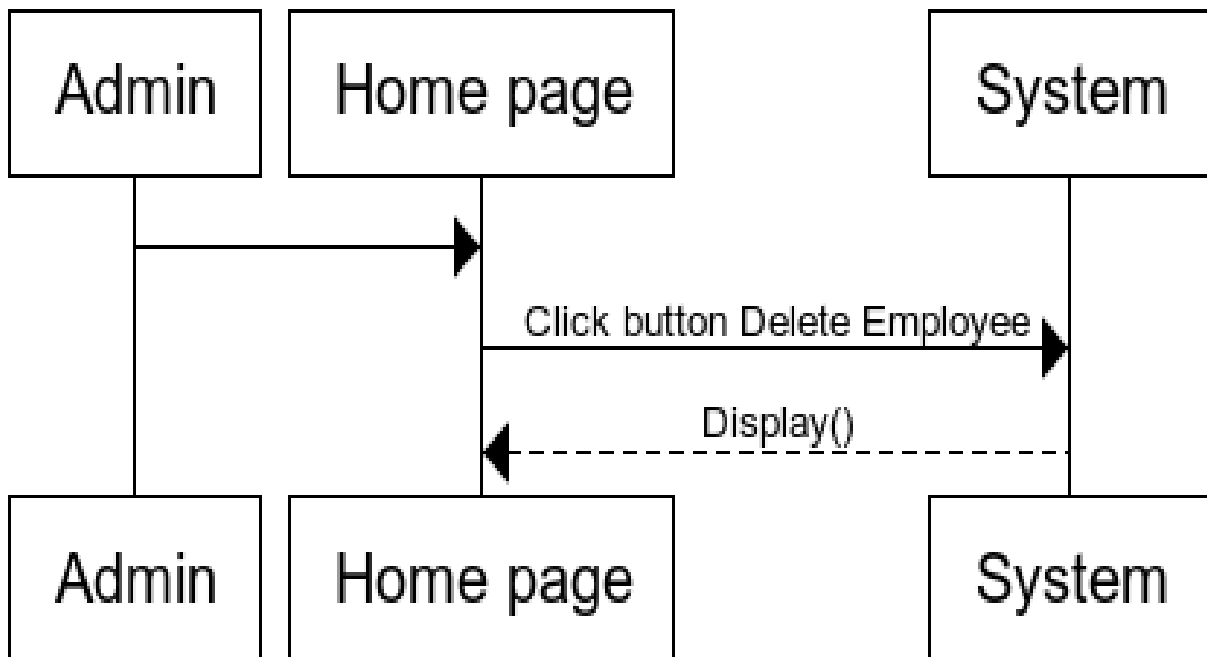
<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	Edit employee	
<b>Actors</b>	Admin	
<b>Description</b>	Admins want to update existed employee's information	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor input information to input fields: phone number, password, first name, last name, role, salon id, thumbnail, is active, nickname, email, home address, date of birth, is available, is online booking available	2. System check the information [Exception 1] 3. Update new employee information in table.

<b>Exception</b>	[Exception 1] 1. Actor left all field blank	Display error message: - all field “can not blank”
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#### 4.5. Delete Employee

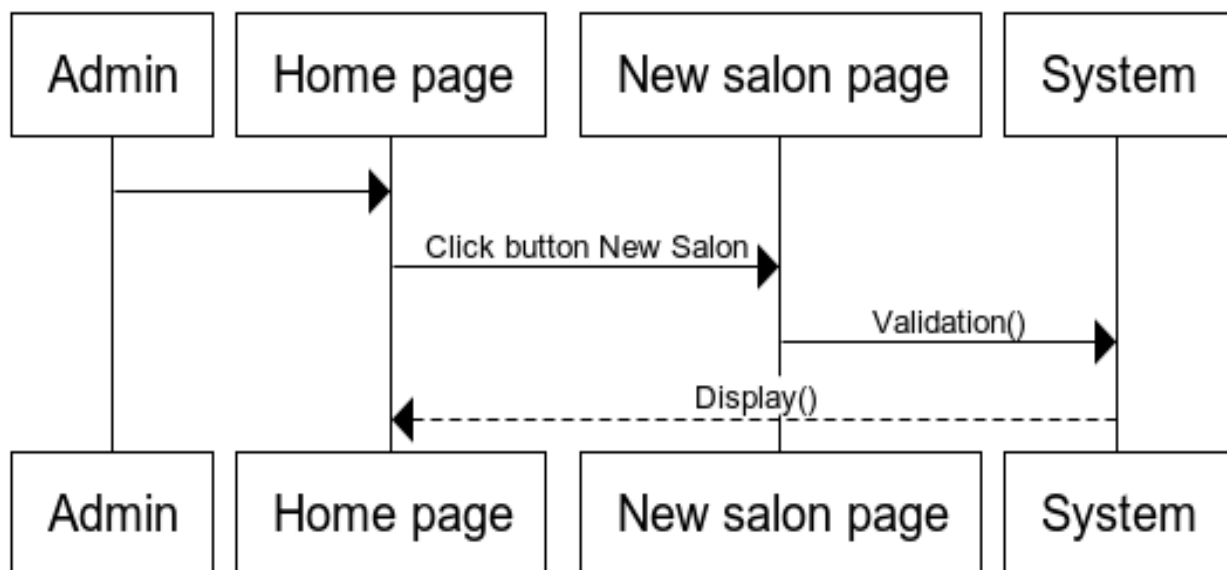
<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	Edit employee	
<b>Actors</b>	Admin	
<b>Description</b>	Admins want to delete existed employee	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor click button delete	2. System delete employee's information
<b>Exception</b>		



#### 4.6. Add new salon

<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	New salon	
<b>Actors</b>	Admin	
<b>Description</b>	Admin click button new salon to create new salon	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor input: salon name, address, email, thumbnail, phone number, opening hour, minute in one time slot, is available for booking, number of turn in one time slot is opened, is	2. System check the information [Exception 1] 3. Create new salon to data in salon table

	car parking available	
<b>Exception</b>	[Exception 1] 1. Actor left all field blank	Display error message: - all field “can not blank”

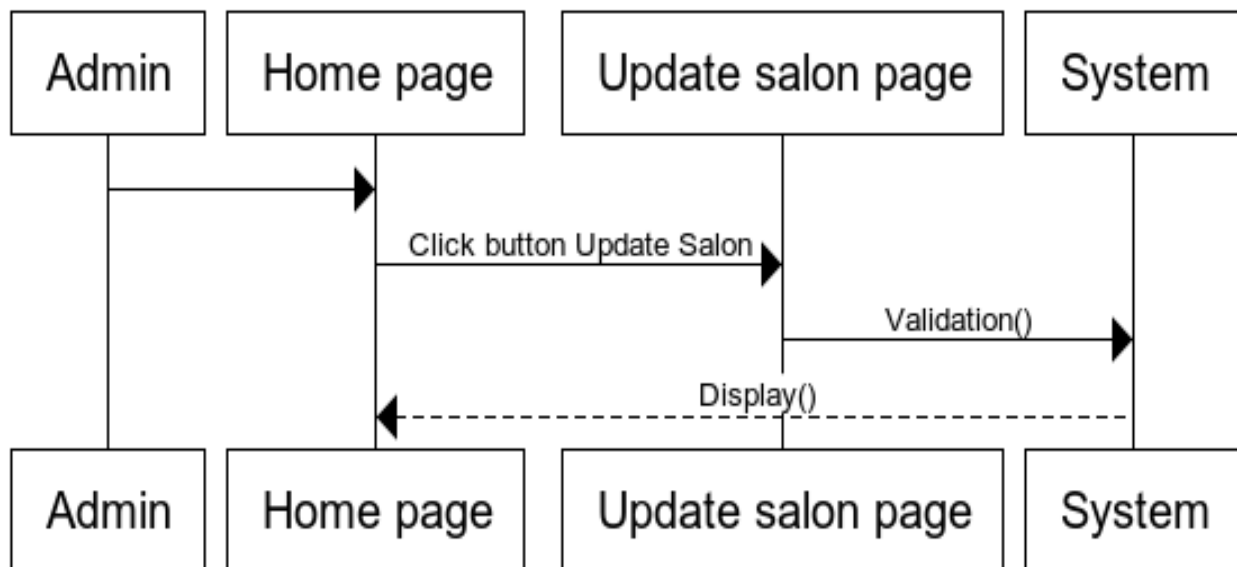


#### 4.7. Update Salon

<b>Author</b>	Nguyễn Minh Thoại	
<b>Use Case Name</b>	Update salon	
<b>Actors</b>	Admin	
<b>Description</b>	Admins want to update existed salon's information	
<b>Requirements</b>	Login as admin	
	<b>Actor Actions</b>	<b>System Responses</b>
<b>Basic flow</b>	1. Actor input information to input fields: salon name, address, email, thumbnail, phone number, opening hour, minute in one time slot, í	2. System check the information [Exception 1] 3. Update new salon information in table.



	available for booking, number of turn in one time slot is opened, is car parking available	
<b>Exception</b>	[Exception 1] 1. Actor left all field blank	Display error message: - all field “can not blank”



## Task Sheet 2

Project Ref. No.: Barberia		Project Title:	Activity Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Use Case	BARBERIA	Hoang Thien An	18/07/2021	5	Le Minh	100%
2	Table Relationship Diagram			18/07/2021	5	Le Minh	100%
3	Data Flow Diagram			18/07/2021	5	Hoang Thien An	100%
4	Sequence Diagram			18/07/2021	5	All members	100%

<b>Date: 25/7/2021</b>	
Signature of Instructor:	Signature of Team Leader:
<b>MR. NGO PHUOC NGUYEN</b>	<b>Le Minh</b>

# Review 3

## GUI Design

### For Customer

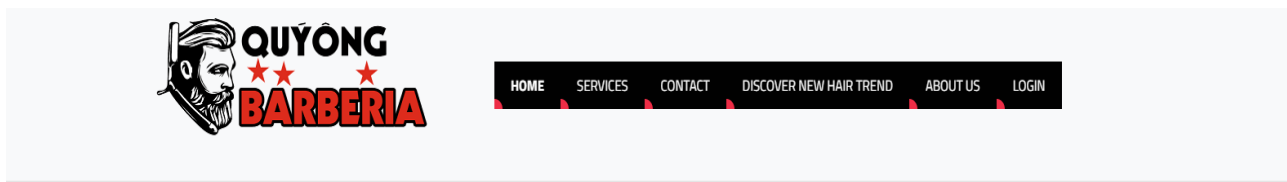
#### I. Home page



No	Name	Type	Validation	Event	Description	Status
1.	Home page	Link		Click	Click go to Home page	Enable
2.	Services	Link		Click	Click go to Services page	Enable
3.	Contact	Link		Click	Click go to Contact page	Enable
4.	Hair style	Link		Click	Click go to Hair style page	Enable
5.	About	Link		Click	Click go to About page	Enable
6.	Login	Link		Click	Click go to Login page	Enable

7.	Text box	Text box	Requested format	Click	Input phone number	Enable
8.	Button	Button		Click	Click go to Booking page	Enable

## II. Booking:



KEEP YOUR SIT IN JUST 30 SECONDS, ONLY WITH PHONE NUMBER, CANCEL ANYTIME

### BOOKING INFORMATION

**Salon name**  
 BARBERIA - CÁCH MẠNG THÁNG 8

**Salon address**  
 590 Cách Mạng Tháng 8, Phường 11, Quận 3, Thành phố Hồ Chí Minh

**Your phone number**  
 0901496630

**Pick your services**

Check me

☒ Cắt tóc thường (-50K-)
 ☐ Tẩy da chết, đắp mặt nạ (-40K-)
 ☐ COMBO CẮT GỘI (-199K-)
 ☐ Cắt - Xả - Tạo kiểu (-70K-)

**Pick your free time**

**Chọn thời gian**

Ngày 09-08	Ngày 10-08	Ngày 11-08	Ngày 12-08	Ngày 13-08
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Anh đi cắt cùng nhiều người ? (nếu khung giờ không đủ thợ cho cả nhóm salon sẽ gọi xác nhận lại)

### YOUR ARE DONE

You have been successful schedule with us! Please come before you booking 10 minute to check-in.

**Your phone number:**  
0901496630

**Booking time:**  
15-08-2021, 9 giờ 0 phút

**Your services:** **Prepare money:**

Cắt tóc thường **50,000 VND** **50,000 VND**

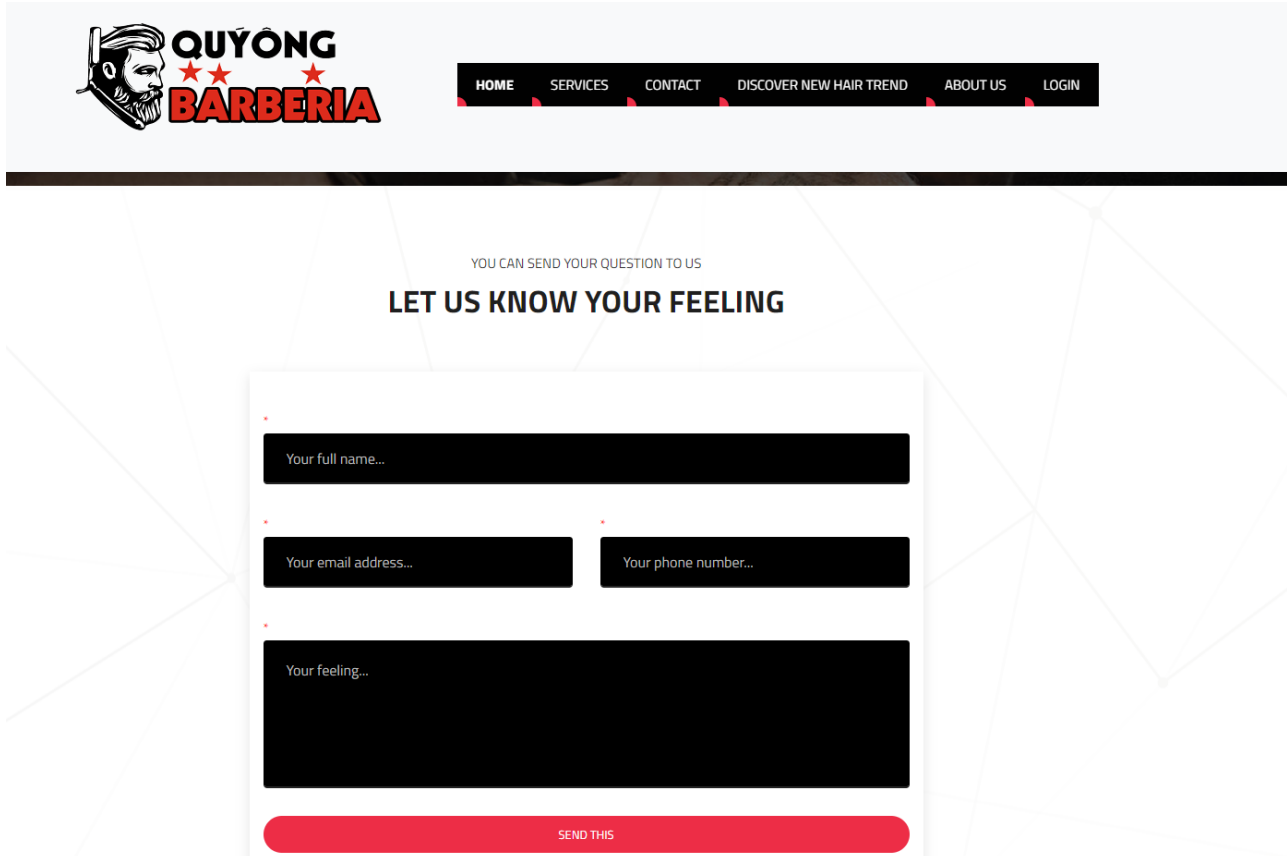
[GO BACK HOME](#)

[HOME](#) [SERVICES](#) [CONTACT](#) [BOOKING](#)

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No	Name	Type	Validation	Event	Description	Status
1	Home page	Link		Click	Click go to Home page	Enable
2	Services	Link		Click	Click go to Services page	Enable
3	Contact	Link		Click	Click go to Contact page	Enable
4	Hair style	Link		Click	Click go to Hair style page	Enable
5	About	Link		Click	Click go to About page	Enable
6	Login	Link		Click	Click go to Login page	Enable
7	Button	Button		Click	Click go to Home page	Enable

### III. Contact



**QUYONG BARBERIA**

HOME SERVICES CONTACT DISCOVER NEW HAIR TREND ABOUT US LOGIN

YOU CAN SEND YOUR QUESTION TO US

**LET US KNOW YOUR FEELING**

Your full name...

Your email address... Your phone number...

Your feeling...

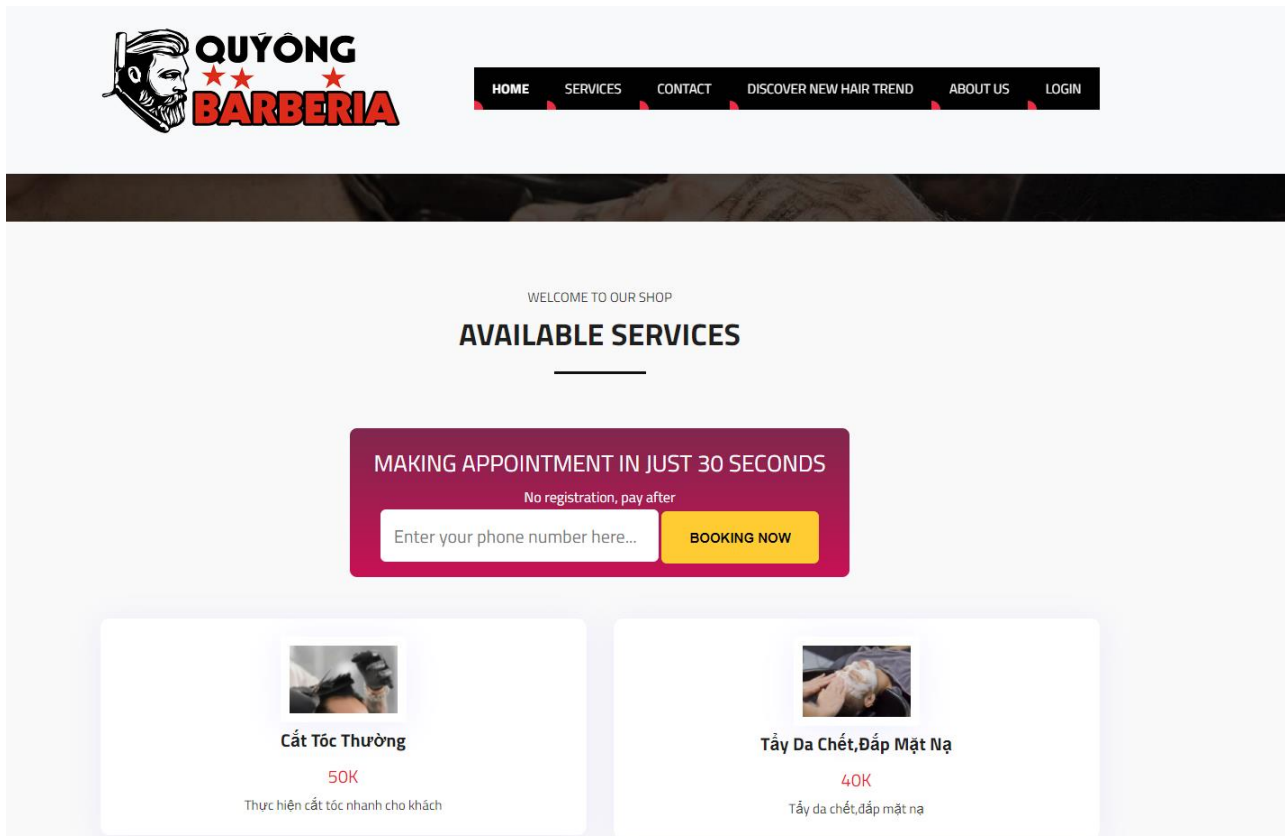
SEND THIS

No	Name	Type	Validation	Event	Description	Status
1	Home page	Link		Click	Click go to Home page	Enable
2	Services	Link		Click	Click go to Services page	Enable
3	Contact	Link		Click	Click go to Contact page	Enable
4	Hair style	Link		Click	Click go to Hair style page	Enable
5	About	Link		Click	Click go to About page	Enable
6	Login	Link		Click	Click go to Login page	Enable
7	Text box	Text box	Not Blank	Click	Input text	Enable



8	Button	Button		Click	Click to submit form	Enable
---	--------	--------	--	-------	----------------------	--------

## IV. Services



No	Name	Type	Validation	Event	Description	Status
1	Home page	Link		Click	Click go to Home page	Enable
2	Services	Link		Click	Click go to Services page	Enable
3	Contact	Link		Click	Click go to Contact page	Enable
4	Hair style	Link		Click	Click go to Hair style page	Enable
5	About	Link		Click	Click go to About page	Enable
6	Login	Link		Click	Click go to Login	Enable

					page	
7	Text box	Text box	Requested format	Click	Input phone number	Enable
8	Button	Button		Click	Click go to Booking page	Enable

## V. HAIR STYLES

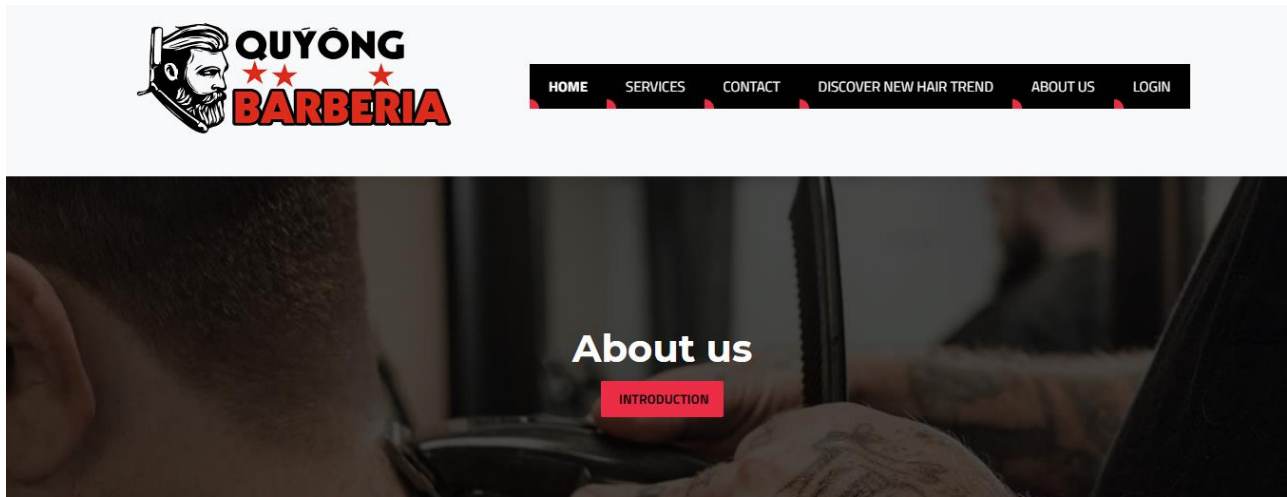


Discover

### OUR NEW TRENDS



## VI. ABOUT US



### INTRODUCTION

## Welcome to Barberia

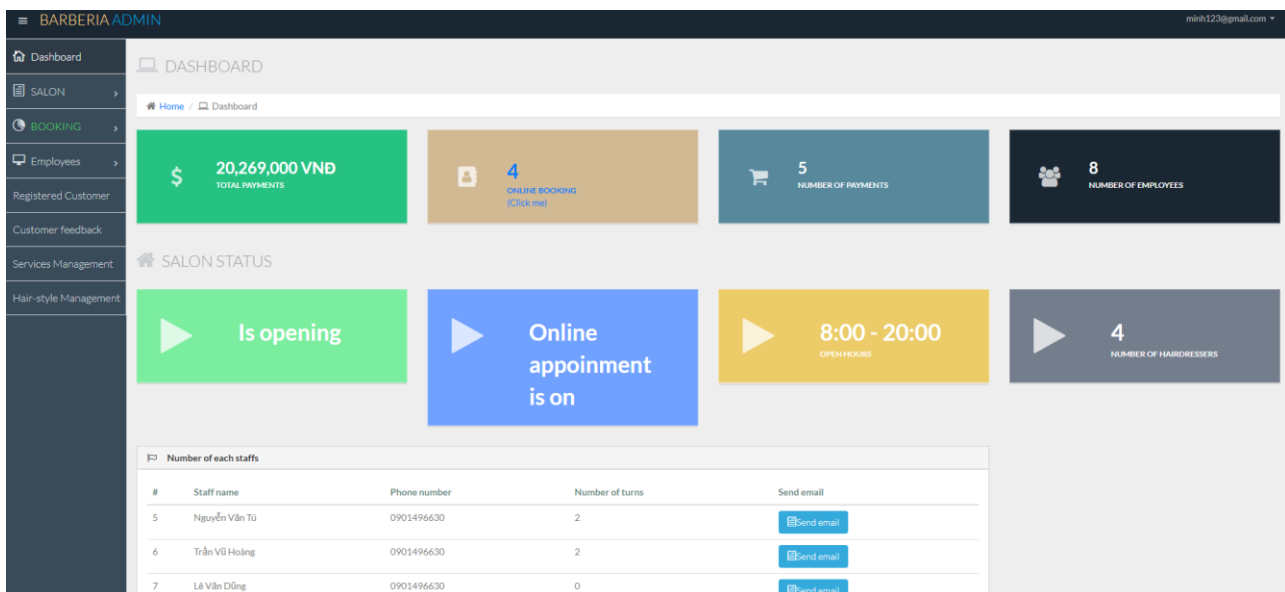
Sứ mệnh của Style Barber Store là giúp nam giới Việt Nam có được vẻ ngoài đẹp trai, tinh thần sảng khoái thu hút phái đẹp. Với kinh nghiệm phục vụ hàng triệu nam giới Việt thông qua việc chuyên cung cấp các sản phẩm chăm sóc tóc, da mặt, dầu gội... của chuỗi cắt tóc nam Style Barber. Style Barber Store khẳng định được vị thế là nhà phân phối mỹ phẩm nam chính hãng giá tốt nhất thị trường. Song song với sự phát triển của xã hội và nhu cầu chăm sóc tăng cao của nam giới vì chính ngoại hình giúp phái mạnh trở nên tự tin hơn, có nhiều cơ hội trong cuộc sống.



No	Name	Type	Validation	Event	Description	Status
1	Home page	Link		Click	Click go to Home page	Enable
2	Services	Link		Click	Click go to Services page	Enable
3	Contact	Link		Click	Click go to Contact page	Enable
4	Hair style	Link		Click	Click go to Hair style page	Enable
5	About	Link		Click	Click go to About page	Enable
6	Login	Link		Click	Click go to Login page	Enable

## For Admin

### I. DASHBOARD:



### II. SALON INFO/ UPDATE

The "SALON DETAILS" page allows for updating the salon's information. It includes a sidebar menu and a main content area with the following fields and controls:

- Salon name:** BARBERIA - CÁCH MẠNG THÁNG 8
- Location address:** 590 Cách Mạng Tháng 8, Phường 11, Quận 3, Thành phố Hồ Chí Minh
- Email:** barberiaservices@gmail.com
- Phone number:** 0901998877
- Open at:** 09:00
- Close at:** 20:00
- Number of minute in one time slot:** 30
- Number of turn in one time slot:** 3
- Open online booking:** [ALLOW ONLINE BOOKING](#)
- IS OPENING:** [OPENING](#)
- CAR PARKING:** [AVAILABLE](#)

# FPT ACADEMY INTERNATIONAL

## FPT – APTECH COMPUTER EDUCATION

BARBERIAADMIN minh123@gmail.com

Dashboard | SALON | BOOKING | Employees | Registered Customer | Customer feedback | Services Management | Hair-style Management

### UPDATE SALON

Home / Update

Update SALON

Salon Name:

Location address:

Email:

Phone number:

Open at:

Close at:

Number of minute in one time slot:

Number of turns in one time slot:   
This number must not exceed the number of hairdressers

Online booking allow: ☒

IS OPENING: ☒

No	Name	Type	Validation	Event	Description	Status
1	Text Box	Text Box	Not null	Click	Input text to edit salon info	Enable
2	Dashboard	Link		Click	Click go to Dashboard	Enable
3	Salon	Link		Click	Click go to Salon page to view and edit info	Enable
4	Booking list	Link		Click	Click go to Booking list	Enable
5	Employee	Link		Click	Click go to Employee page, view and add and edit employee info	Enable
6	Registered customer list	Link		Click	Click to view customer list	Enable
7	Feedback	Link		Click	Click go to Feedback page	Enable
8	Services	Link		Click	Click go to Services page	Enable
9	Hair style	Link		Click	Click go to Dashboard	Enable
10	Button	Button		Click	Submit form	Enable

### III. EMPLOYEE LIST:

#	Thumbnail	Last Name	First Name	Phone number	Address	Email	Role	Is Working	Actions
1		Lê	Minh	0901496630	1237 Hoàng Sa, P5, Quận Tân Bình	minh123@gmail.com	ADMIN	ĐANG HOẠT ĐỘNG	<a href="#">Edit</a> <a href="#">Send email</a> <a href="#">Delete</a>
2		Nguyễn	Minh Thoại	0901496630	1237 Hoàng Sa, P5, Quận Tân Bình	thoi123@gmail.com	Manager	ĐANG HOẠT ĐỘNG	<a href="#">Edit</a> <a href="#">Send email</a> <a href="#">Delete</a>
3		Lương	Vinh Hiền	0901496630	1237 Hoàng Sa, P5, Quận Tân Bình	hien123@gmail.com	Manager	ĐANG HOẠT ĐỘNG	<a href="#">Edit</a> <a href="#">Send email</a> <a href="#">Delete</a>
4		Hoàng	Thiên Ân	0901496630	1237 Hoàng Sa, P5, Quận Tân Bình	an123@gmail.com	ADMIN	ĐANG HOẠT ĐỘNG	<a href="#">Edit</a> <a href="#">Send email</a> <a href="#">Delete</a>

No	Name	Type	Validation	Event	Description	Status
1	Dashboard	Link		Click	Click go to Dashboard	Enable
2	Salon	Link		Click	Click go to Salon page to view and edit info	Enable
3	Booking list	Link		Click	Click go to Booking list	Enable
4	Employee	Link		Click	Click go to Employee page, view and add and edit employee info	Enable
5	Registered customer list	Link		Click	Click to view customer list	Enable
6	Feedback	Link		Click	Click go to Feedback page	Enable
7	Services	Link		Click	Click go to Services page	Enable
8	Hair style	Link		Click	Click go to Dashboard	Enable
9	Small Blue Button	Button		Click	Edit Employee info	Enable
10	Red button	Button		Click	Change working status	Enable

## IV. ADD NEW EMPLOYEE

No	Name	Type	Validation	Event	Description	Status
1	Text box	Text box	Not blank, requested format		Add new employee info	Enable
2	Button	Button		Click	Submit form	Enable
3	Choose file button	button		Click	Click to choose avatar of employee	Enable

### V. BOOKING LIST

BARBERIA ADMIN							
Dashboard	Danh sách khách đặt hẹn online						
SALON	Mã lịch hẹn	Tên khách hàng	Số điện thoại	Thời gian đặt hẹn	Mô tả	Trạng thái	Tác vụ
DS lịch hẹn	7		0901496630	Hôm nay, 12 giờ 0 phút		Chưa check-in	<a href="#">Check-in</a> <a href="#">Hủy hẹn</a>
Nhân viên	6		0901496630	Hôm nay, 14 giờ 0 phút		Chưa check-in	<a href="#">Check-in</a> <a href="#">Hủy hẹn</a>
DS khách hàng đăng ký	8		0901496630	11-08-2021, 10 giờ 30 phút		Chưa check-in	<a href="#">Check-in</a> <a href="#">Hủy hẹn</a>
Phản hồi khách hàng							
Dịch vụ							
Kiểu tóc							

### VI. PAYMENT LIST

BARBERIA ADMIN							
Dashboard	Danh sách đã thanh toán						
SALON	# Mã hóa đơn	Tên nhân viên phụ trách	Số điện thoại nhân viên	# Mã lịch hẹn	Thời gian lịch hẹn	Phương thức thanh toán	Hóa đơn
DS lịch hẹn	1	Lê Văn Dũng	0901496630	2	08-08-2021, 9 giờ 0 phút	Tiền mặt	199,000 VND
Nhân viên	2	Nguyễn Văn Tú	0901496630	4	08-08-2021, 9 giờ 0 phút	Tiền mặt	90,000 VND
DS khách hàng đăng ký	3	Nguyễn Văn Tú	0901496630	1	09-08-2021, 9 giờ 0 phút	Viễn từ MoMo	50,000 VND
Phản hồi khách hàng	4	Lê Văn Dũng	0901496630	3	09-08-2021, 12 giờ 0 phút	Viễn từ MoMo	40,000 VND
Dịch vụ	5	Huỳnh Tấn Phát	0901496630	9	08-08-2021, 18 giờ 30 phút	Tiền mặt	40,000 VND
Kiểu tóc	6	Nguyễn Văn Tú	0901496630	10	09-08-2021, 9 giờ 0 phút	Viễn từ MoMo	359,000 VND
	<div> <a href="#">Xuất report file HTML</a> <a href="#">Xuất report file PDF</a> </div>						<b>TỔNG HÓA ĐƠN</b> <b>778,000 VND</b>



## VII. PAYMENT REPORT

<div> <div> <b>BARBERIA</b> </div> <div> Payment Reports  590 Cach Mang Thang Tam, 11 Ward, 3 District, Ho Chi Minh city </div> </div>				
Id	Employee name	Time	Payment	Total bill
1	Vũ Hoàng	11-08-2021 16:00	MOMO wallet	50,000 vnd
2	Vũ Hoàng	14-09-2021 13:00	MOMO wallet	19,900,000 vnd
3	Văn Tú	12-08-2021 15:35	MOMO wallet	70,000 vnd
4	Tấn Phát	13-08-2021 09:00	MOMO wallet	50,000 vnd
5	Văn Tú	13-08-2021 09:00	MOMO wallet	199,000 vnd

# FPT ACADEMY INTERNATIONAL

## FPT – APTECH COMPUTER EDUCATION

### Task Sheet 3

Project Ref. No.: <b>Barberia</b>		Project Title:	Activity Prepared By:	Date of Preparation of Activity Plan:			
Sr.No.	Task			Actual Start Date	Actual Days	Team Mate Names	Status
1	Admin template	<b>BARBERIA</b>	Le Minh & Hoang Thien An	31/07/2021	1	Hoang Thien An	100%
2	Client template			31/07/2021	1		100%
3	Admin login (security)			30/07/2021	2		100%
4	Online booking report			13/08/2021	1		100%
5	Validation Regex			30/07/2021	2		100%
6	Client login (session)			30/07/2021	2		100%
7	Clients edit info			01/08/2021	1		100%
8	Clients view bookings			01/08/2021	1		100%
9	Contact (page)			01/08/2021	1		100%
10	Video presentation			08/08/2021	2		100%
11	User Guide			08/08/2021	1		100%
12	Contact View			31/07/2021	1	Vinh	100%

13	Feedback report			13/08/2021	1	Hien	100%
14	Review 3			05/08/2021	1		100%
15	About(page)			05/08/2021	1		100%
16	Send email to customer via feedback			05/08/2021	2		100%
17	Integrated Email Sender			07/08/2021	1		100%
18	Customer (Detail)			31/07/2021	1		100%
19	Customer List(admin)			07/08/2021	1		100%
20	Hair styles (CRUD) and Hairstyle page client			31/07/2021	1		100%
21	Salon (UD)			01/08/2021	1		100%
22	Service (CRUD)			01/08/2021	1	Minh Thoai	100%
23	About us(client page)			31/07/2021	1		100%
24	Dashboard			31/07/2021	1		100%

25	Employee (CRUD)			01/08/2021	1		100%
26	Employee Salary Report			13/08/2021	1		100%
27	Booking modules logic			31/07/2021	1		100%
28	Booking page design (client)			02/08/2021	3		100%
29	Database design & connect			31/07/2021	2		100%
30	Application Constructure			31/07/2021	2		100%
	Employee Salary			08/08/2021	1		100%
31	Payment management			02/08/2021	1	Le Minh	100%
32	Payment method with QR			08/08/2021	1		100%
33	Export payment report			08/08/2021	1		100%
34	Booking management (Admin)			03/08/2021	1		100%

# FPT ACADEMY INTERNATIONAL

## FPT – APTECH COMPUTER EDUCATION

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**Date: 30/7/2021**

Signature of Instructor:

**MR. NGO PHUOC NGUYEN**

Signature of Team Leader:

**Le Minh**