

# Barber Station

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## **1. Introduction**

Have you ever wondered, I don't want to go to a barbershop and wait in line all day, just to get a haircut I am not sure if it's going to be a good or a bad one.

The struggle is real, but we have the solution.

We present you the ultimate app for getting a fresh haircut, Barber Station.

### **What is Barber Station?**

Barber Station is an app designed to simplify the process of getting a barber services without attending to the barbershop.

With Barber Station, you can reserve an appointment at any time.

You can also choose the stylist you prefer among a lot of our professional barbers.

Skip the lines and be confident you will get the perfect hairstyle.

## **2. Project description**

We all suffer from crowding at the barber shop even the special needs who can't walk or drive the car to the barber shop, so we created this idea to help all people in the Kingdom of Saudi Arabia and abroad. Firstly, when you download the application, the program requests your number to send a text message to log in, and then it will request the geographical location to show the barbers available in the area around you. Secondly, the interface of the application contains many barbers and also it shows you a special evaluation for each barber and his information. Thirdly, you will write what style haircut you want to the barber and he will determine the price according to the rules and prices shown when booking an appointment with a barber, and then you will schedule a detailed pre-paid appointment with the barber. Finally, after the barber finishes, he will take a picture of the haircut to ensure the client's right, and send it to the programmer staff, and also their customer service if you want to file a complaint or inquire about anything related to the application.

### **3. Information gathering**

#### **3.1 Interview**

We decided to conduct an interview with Faisal alshali. He is a student in UTS university majoring AI.

The interview was conducted on 2023/9/14 at 6:00 pm via Zoom.

**Q1) In your opinion, what are the standout advantages or benefits of using Barber Station over the traditional way of getting barber services?**

**A1) Time-Saving:** Users can skip the long waiting times typically associated with walk in appointments at barbershops. With Barber Station, you can schedule your visit in advance, reducing the time spent waiting for your turn.

**Safety:** In times of health concerns (during a pandemic), using Barber Station can help users maintain social distancing by reducing time spent in crowded barbershops.

**Convenience:** Barber Station offers the convenience of booking appointments at any time and from anywhere using a smartphone. This eliminates the need to physically visit a barbershop during business hours.

**Q2)** there problems that you encounter with applications similar to the barber station that you wish would not be in our application?

**A2)** -Technical Glitches: Users often face technical problems like app crashes, slow loading times, or login errors. Ensuring a smooth and bug-free user experience is crucial.

-Security and Privacy Concerns: Users may worry about sharing their phone numbers and location data. It's essential to implement robust security measures and clarify how user data will be used and protected.

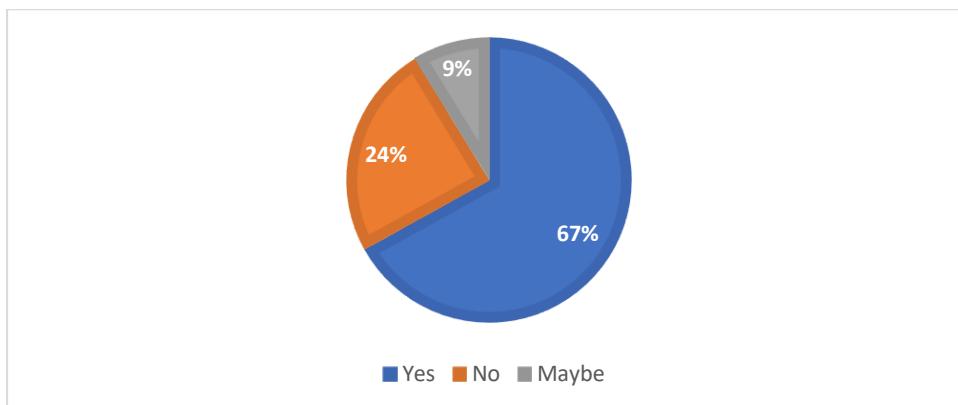
-Customer Support: Users may require assistance or have complaints. Offering responsive and helpful customer support can enhance user satisfaction.

**Q3)** If you had a feature you would like to add, what would it be?

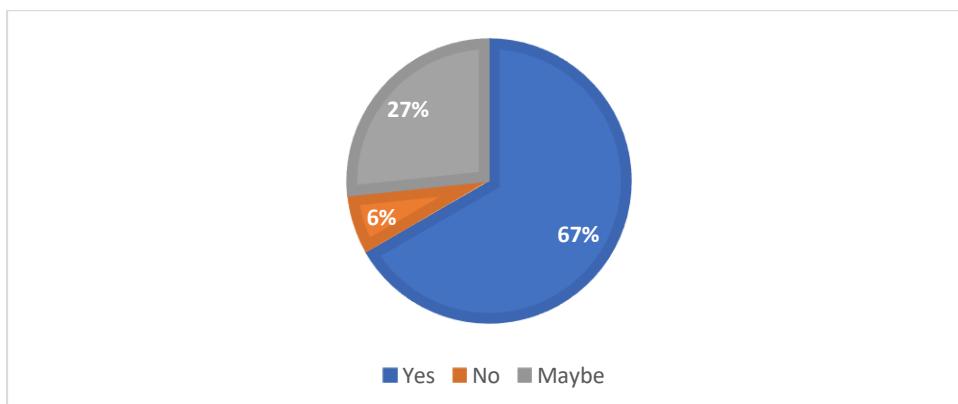
**A3)** I would like to add more than one payment method, such as Apple Pay. There is also more than one language for everyone's benefit

## 3.2 Questionnaire

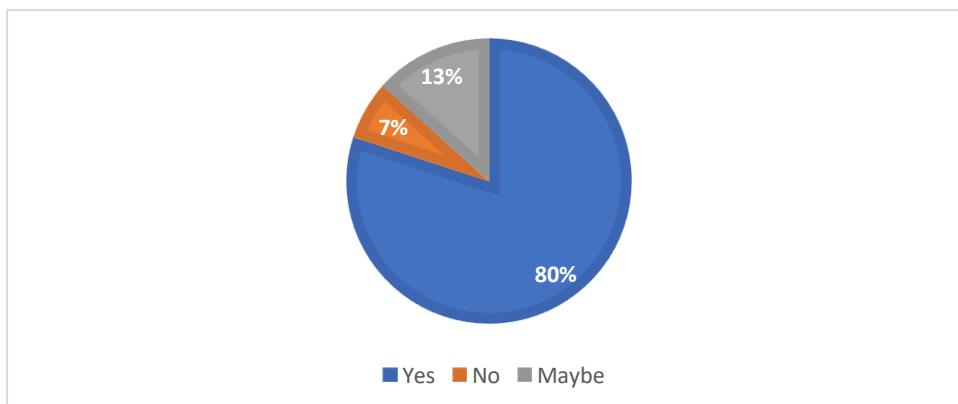
Q1) Do you face problems when you go to a barbershop?



Q2) Do you think the project idea is useful to society?



Q3) Would you recommend Barber Station to friends and family for booking barber appointments?



### **3.3 Interview description**

#### **a. Evaluation of a User Request**

Faisal alshali is a student in UTS university majoring AI, 6:00 pm, 2023/9/14.

#### **b. Description of the problem**

It's difficult for people with a disability to get what they need from a barber shop because of lack of transportation.

some people would face some problems with traffic some others are basically busy, they can't afford the waiting.

#### **c. Analyst comments**

We gathered lots of good information from the interview , and it will help us as developers on programming and designing what the user actually desire from our application.

We will happily except every feedback from the users.

As a group we will manege on how to solve every problem that would face us and add our touches to it.

## **4. Planning Phase**

### **4.1 The purpose of the project**

#### **a) The User Business or Background of the Project Effort**

##### **Content**

In a fast-paced world where time is a precious commodity, waiting in long queues at the barber shop can be a frustrating experience. This challenge is compounded for individuals with special needs who face mobility constraints. To address these issues and revolutionize the barber industry, we proudly present BarberEase—an innovative solution designed to bring convenience and quality grooming to people across the Kingdom of Saudi Arabia and beyond.

##### **Motivation**

Our motivation is simple but powerful: we believe that everyone deserves easy access to high-quality grooming services, regardless of their circumstances. We are committed to making the grooming experience more accessible, convenient, and enjoyable for all.

##### **Considerations**

When developing or maintaining an app like Barber Station, there are several key considerations to keep in mind to ensure its success and provide a positive user experience. Here are 3 important considerations:

### **User-Friendly Interface:**

Design an intuitive and user friendly interface that allows users to navigate the app effortlessly. Ensure that the booking process is straightforward and accessible to users of all tech proficiency levels

### **Appointment Management:**

Implement a robust appointment management system that allows users to schedule, reschedule, or cancel appointments easily. Send reminders and notifications to both users and stylists.

### **Stylist Profiles:**

Provide detailed stylist profiles with information about their expertise, experience, portfolio, and customer reviews. This helps users make informed choices when selecting a stylist.

#### **b) Goals of the project**

Our first goal focuses on 'User Adoption and Growth.' We aim to gain traction in the market by achieving 5,000 app downloads and welcoming 1,500 registered users within the first five months of launch.

Building a robust user base is the foundation of our success, and it sets the stage for creating a thriving community of users and barbers.

and focusing on 'User Engagement and Satisfaction' to Maintain a minimum 30% user engagement rate, measured by the frequency of bookings and positive feedback, to ensure a high level of user satisfaction.

## **4.2 Preliminary report**

### **The problem**

there is a lot of people with a disability their hair grows and grows and neither them nor their family can afford the time to help.

also the waiting it would take , this certainly shall solve the waiting either in traffic or in the line where there is a lot of people ahead of you.

another problem you might face is the quality of your haircut it might not be what the you desire and seek.

### **Findings**

after asking and searching of what people needs at this age and time we discovered that most of them faced the problems we wrote.

a lot of them wanted the application to get released , most of them simply didn't want to wait in such a long line.

a small group wanted the application because of their disability and we want to help them the most even if they are a small amount of people.

## **Recommendation or proposed solution**

- Customization Options: Allow customers to specify haircut preferences, such as hair type and preferred style.
- Additional Services: Offer additional services like hair and beard care, and massages to increase app revenue.
- Online Marketing: Use social media and online advertising to promote the app and attract more customers.
- Customer Support: Provide efficient customer support to address customer inquiries and issues.
- Feedback Mechanism: Establish a feedback mechanism where clients can provide comments and suggestions easily. Use this feedback to drive improvements.

Remember to ensure security and privacy standards in the app.

## Cost & schedule estimates

The project should be finished in 3 months and total cost will be approximately 20,000 Saudi Riyals (*details are specified in the table*)

| Phase                      | Description  | Time                                    | Cost<br>(75\$/hour) |
|----------------------------|--|---|---------------------|
| Phase 1:<br>Specification  | Defining what the system should do and its specifications                              | 1 week / 20 hours<br>(4 hours per day)  | 1,500               |
| Phase 2:<br>System design  | - Designing the logo<br>- Building the structure<br>- Designing the interfaces         | 4 weeks / 80 hours<br>(4 hours per day) | 6,000               |
| Phase 3:<br>Implementation | Writing the codes  | 3 weeks / 75 hours<br>(5 hours per day) | 5,625               |
| Phase 4:<br>Testing        | Select a sample of target customers to test the program                                | 1 week / 20 hours<br>(4 hours per day)  | 1,500               |
| Phase 5:<br>Development    | - Enhance security protection of the system<br>- Create a website from the application | 3 weeks / 60 hours<br>(4 hours per day) | 4,500               |
| Phase 6:<br>Maintainance   | Fix bugs and vulnerabilities   | 4 months                                | -                   |

## **5. Planning Phase II**

### **5.1 The feasibility study**

- The projects idea is manageable with the proper tools and programmers and designers.
- Let's also mention the importance of the application handling a good amount of users and has the maintainability for future updates.
- Add to that a feedback section for any technical errors or problems that would face the user.
- It is certainly affordable with less than 20k reails we can build the whole program from scratch , it will surly be delivered as a visually readable usable application.
- We might face some problems at beginning with getting the barbers because they will have to pay 5% for every service they provide, but after we get the attention of the barbers and the users then we might raise the percentage.
- In conclusion as a computer science major students we can say that the project is feasible if the previous requirements occurred.

## **5.2 Report writing**

### **1- Problem Statement:**

Traditional barbershops in Saudi Arabia face overcrowding issues, leading to long waiting times for customers. Additionally, individuals with special needs often struggle to access these services due to mobility challenges. To address these problems, we propose a mobile app that connects users with nearby barbers, streamlining the booking process and enhancing accessibility.

### **2- Scope:**

**Location-Based Barber Search:** The app will use GPS to locate nearby barbers and display their information.

**Barber Profiles:** Users can view barber profiles with details on skills and customer ratings.

**Booking Appointments:** Customers can schedule appointments with chosen barbers, specifying their preferred haircut style.

**Transparent Pricing:** Barbers will set prices based on predefined rules, ensuring transparency.

**Pre-Paid Appointments:** Users can make pre-paid appointments to reduce wait times.

**Quality Assurance:** After each haircut, barbers will take a photo to ensure customer satisfaction.

### **3- Alternative Solutions:**

**Appointment-Only Barber Shops:** Transition traditional shops to appointment-only systems to reduce overcrowding.

**Transportation Services:** Offer transportation for special needs individuals to access traditional barber shops.

**Barber Certification:** Implement a certification program for barbers to maintain consistent quality.

**Online Reviews and Directories:** Create an online platform for customer reviews and barber information.

## 4- Cost and benefits of alternatives:

The project should be finished in 3 months and total cost will be approximately 20,000 Saudi Riyals (*details are specified in the table*)

| Phase                      | Description  | Time                                    | Cost<br>(75\$/hour) |
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| Phase 6:<br>Maintenance    | Fix bugs and vulnerabilities   | 4 months                                | -                   |

## **5- Software impacts:**

The Barber Station app, like any software application, can have several significant impacts. Here are 3 of the software impacts associated with the Barber Station app:

**Convenience:** Barber Station provides users with the convenience of booking barber appointments anytime and anywhere. Users can schedule appointments at their leisure, reducing the hassle of physically visiting a barbershop or making phone calls during business hours.

**Time Efficiency:** The app can save users significant time by eliminating the need to wait in long lines at the barbershop. Users can arrive at the shop at their scheduled appointment time, reducing waiting times.

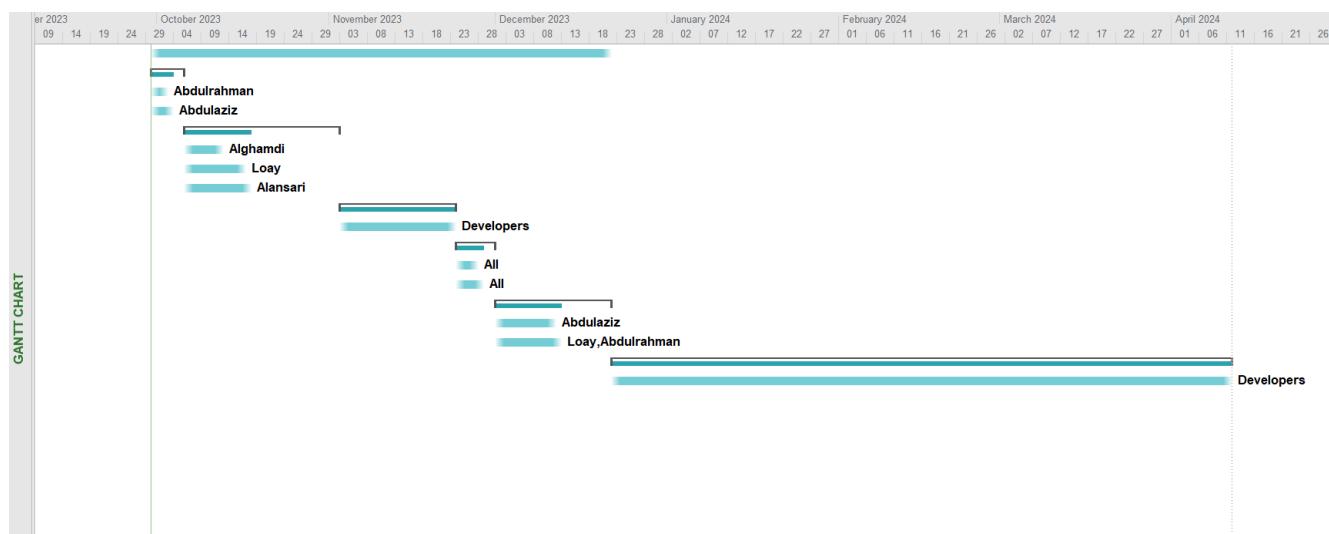
**Improved Communication:** The app facilitates communication between users and stylists, enabling users to discuss their hairstyle preferences and specific requirements before their appointment. This can lead to better outcomes and customer satisfaction.

**In summary,** the Barber Station app has the potential to significantly impact the barber service industry by providing convenience, personalization, and user engagement. However, it also faces challenges related to technical issues, data security, competition, and user adoption. Addressing these challenges while leveraging the app's advantages can lead to its long-term success.

## 5.3 Project plan

The plan is made by using Microsoft Project

| i | Task Mode      | Task Name               | Duration | Start        | Finish       | Resource Names   |
|---|----------------|-------------------------|----------|--------------|--------------|------------------|
| ? |                | Project plan            | 3 mons   |              |              |                  |
| ? | Specification  | Requirements definition | 1 wk     | Sat 30/09/23 | Thu 05/10/23 | Abdulrahman      |
| ? |                | Information gathering   | 2 days   |              |              | Abdulaziz        |
| ? | System design  | Application logo        | 3 days   | Fri 06/10/23 | Thu 02/11/23 | Alghamdi         |
| ? |                | Interfaces              | 4 wks    |              |              | Loay             |
| ? |                | Structure design        | 5 days   |              |              | Alansari         |
| ? | Implementation | Develop code            | 7 days   | Fri 03/11/23 | Thu 23/11/23 | Developers       |
| ? |                | Validation              | 8 days   |              |              | All              |
| ? |                | System testing          | 15 days  |              |              | All              |
| ? |                | Customers testing       | 3 days   |              |              | All              |
| ? | Development    | Enhance security        | 3 wks    | Fri 01/12/23 | Thu 21/12/23 | Abdulaziz        |
| ? |                | Create a website        | 7 days   |              |              | Loay,Abdulrahman |
| ? | Maintenance    | Fix bugs                | 4 mons   | Fri 22/12/23 | Thu 11/04/24 | Developers       |
| ? |                |                         | 80 days  |              |              |                  |



## **6. Analysis Phase I**

### **6.1 Stakeholders**

**Stockholders Definition:**

**A. The Client:**

Individuals who use the application to book appointments and access barber services.

**B. The Barber:**

Professionals providing barber services through the application.

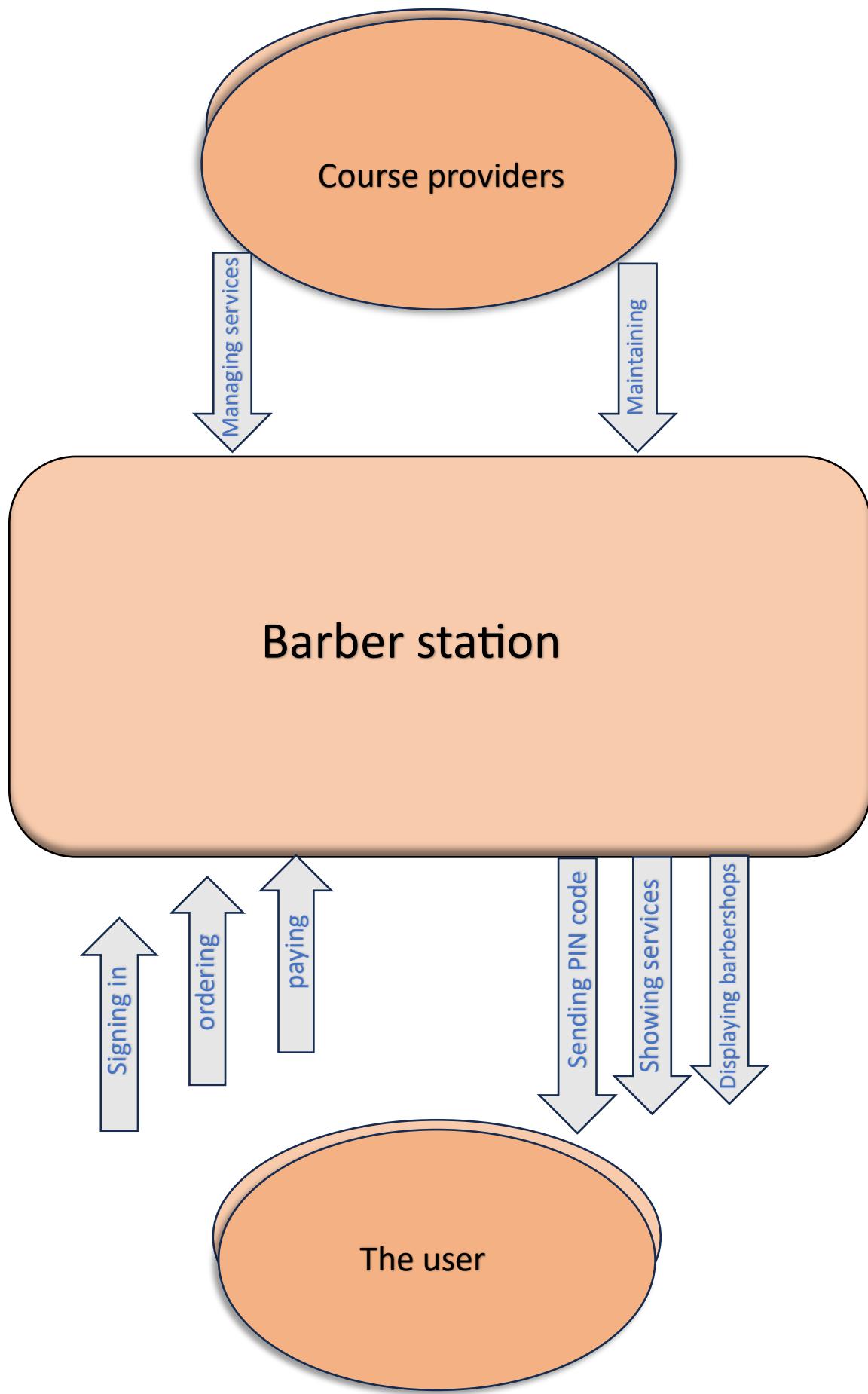
**C. The Staff:**

Receptionists, managers, and other employees working within the physical barber shops that are part of the application

## The scope of the work:

|                   | <b>THE CURRENT SITUATION</b>   | <b>THE CONTEXT OF THE WORK</b>   |
|-------------------|--|--|
| <b>CONTENT</b>    | Most people face problems on getting their haircut whether they are worried of the traffic they might face or for the time they will waste.  | the application provides to the customer all the services he needs in getting every serves a barber shop provides some barbers provide dyeing hair some others don't, but you can change your barber and choose the one that will fit your needs.<br><br>in conclusion every person will get the help he needs and everyone is welcome to use our application. |
| <b>MOTIVATION</b> | as we knew from an experience some of you might have faced before not wasting your time is an important factor of anyone day we all love saving our time either with making things simple or fast. | Our biggest motivation are people with special needs , they are enough motivation to keep us moving forward and make sure that the application will hopefully reach them.  |

## 6.2 Context diagram



### 6.3 Event Table

| <b>Event Name</b>                                | <b>Inout and Outout</b>                                   | <b>Summary</b>  |
|--|---|---|
| Sign in  | Sign in (in)  | Signing in the program  |
| Send a confirmation message                      | Send a confirmation message on SMS (out)                  | Sending a confirmation message on SMS to the client           |
| Show the available barber in the area around you | Display the available barber in the area around you (out) | The client view available barber in the area                  |
| Choose the barber                                | Choose the barber (in)                                    | the client selects the barber and the time                    |
| Pay for the service                              | Pay for the service (in)                                  | The client pays for the chosen services                       |
| Send a confirmation message                      | Send a confirmation message on SMS (out)                  | Send an SMS confirmation message to confirm client's purchase |
| Evaluate the barber                              | Evaluate the barber (in)                                  | The client places an evaluation of the barber                 |

## 6.4 Functional requirements

| <b>ID</b>   | <b>Requirements Definition</b>   |
|-------------|--|
| <b>FR1</b>  | <b>User Registration</b>   |
| FR.1        | Users should be able to register by providing their phone number.  |
| <b>FR2</b>  | <b>Log in</b>  |
| FR2.1       | Users must receive a text message contains OTP to log in securely.   |
| <b>FR3</b>  | <b>Location Services</b>   |
| FR3.1       | The application should request access to the user's geographical location, and then display a list of available barbers in the user's area.  |
| <b>FR4</b>  | <b>Barber Information</b>  |
| FR4.1       | <ul style="list-style-type: none"> <li>- The app should feature a user-friendly interface that lists barbers.</li> <li>- Each barber should have a profile with their name, picture, contact information, and customer reviews.</li> </ul> |
| <b>FR5</b>  | <b>Service Selection</b>   |
| FR5.1       | <ul style="list-style-type: none"> <li>- Users should be able to select the specific haircut style they desire.</li> <li>- The app should provide clear pricing information for each service.</li> </ul>                                   |
| <b>FR6</b>  | <b>Appointment Booking:</b>  |
| FR6.1       | Users should be able to schedule appointments with chosen barbers in the desired date and time.  |
| <b>FR7</b>  | <b>Appointment Verification:</b>   |
| FR7.1       | After the barber completes the haircut, they should take a picture of the client's haircut and send the to the staff to verify the service quality.  |
| <b>FR8</b>  | <b>Customer Support</b>  |
| FR8.1       | Users should be able to contact the customer service team through the app to inquire about any issues or file complaints.  |
| <b>FR9</b>  | <b>Payment Processing</b>  |
| FR9.1       | <ul style="list-style-type: none"> <li>- The app should support secure payment methods for pre-booking appointments.</li> <li>- Users should receive payment confirmation and receipts.</li> </ul>   |
| <b>FR10</b> | <b>Notification System</b>   |
| FR10.1      | The app should send notifications to users to remind them of their upcoming appointments.  |
| <b>FR11</b> | <b>Rating and Feedback System</b>  |
| FR11.1      | Allow users to rate and provide feedback on the barber's service after each appointment.   |
| <b>FR12</b> | <b>Appointment History</b>   |
| FR12.1      | Maintain a record of users' past appointments for reference and to facilitate rebooking.   |

## Interface requirements:

User-Friendly Design: The app should have an intuitive and well-organized interface for easy navigation.

Mobile Responsiveness: It must be optimized for various mobile devices and screen sizes.

Appointment Management: The interface should allow users to easily manage appointments, including rescheduling, canceling, and communicating with stylists.

## Business Requirements:

Payment Integration: The app must integrate secure payment options for user convenience.

Revenue Model: Define the revenue generation strategy, such as fees or commissions.

Data Privacy Compliance: Ensure user data is handled in compliance with privacy regulations.

## Regulatory/Compliance Requirements:

Data Privacy and Security: Adhere to data privacy and security laws.

Payment Processing Compliance: Follow payment processing regulations.

Local Licensing: Comply with local licensing and service regulations.

## **Security Requirements:**

**Data Encryption:** Implement strong data encryption for user information.

**Authentication and Authorization:** Ensure secure user access controls.

**Regular Security Testing:** Conduct ongoing security audits and testing.

## 6.5 Non-functional requirements

### User Interface Requirements:

**UI1:** The user interface should be visually appealing, intuitive, and easy to use for barbers and customers.

**UI2:** should comply with accessibility standards to accommodate users with disabilities, including screen readers and keyboard navigation.

**UI3:** The user interface should be responsive, providing a seamless experience on various devices, including desktop computers, tablets, and smartphones

### Hardware Interface:

**HI1:** The software should be compatible with commonly used hardware devices in the barber shop, such as printers, scanners, and cash registers.

**HI2:** It should be able to operate efficiently with the existing hardware infrastructure, minimizing the need for additional equipment upgrades.

### Software Interface:

**SI1:** The software should seamlessly integrate with other essential systems, such as inventory management software, payment processing platforms, and customer relationship management tools.

**SI2:** APIs should be available for easy integration with third-party applications commonly used in the barber industry.

## **Security Requirements:**

**SE1:** Access to the software should be role-based, with different levels of access for barbers, managers, and administrators.

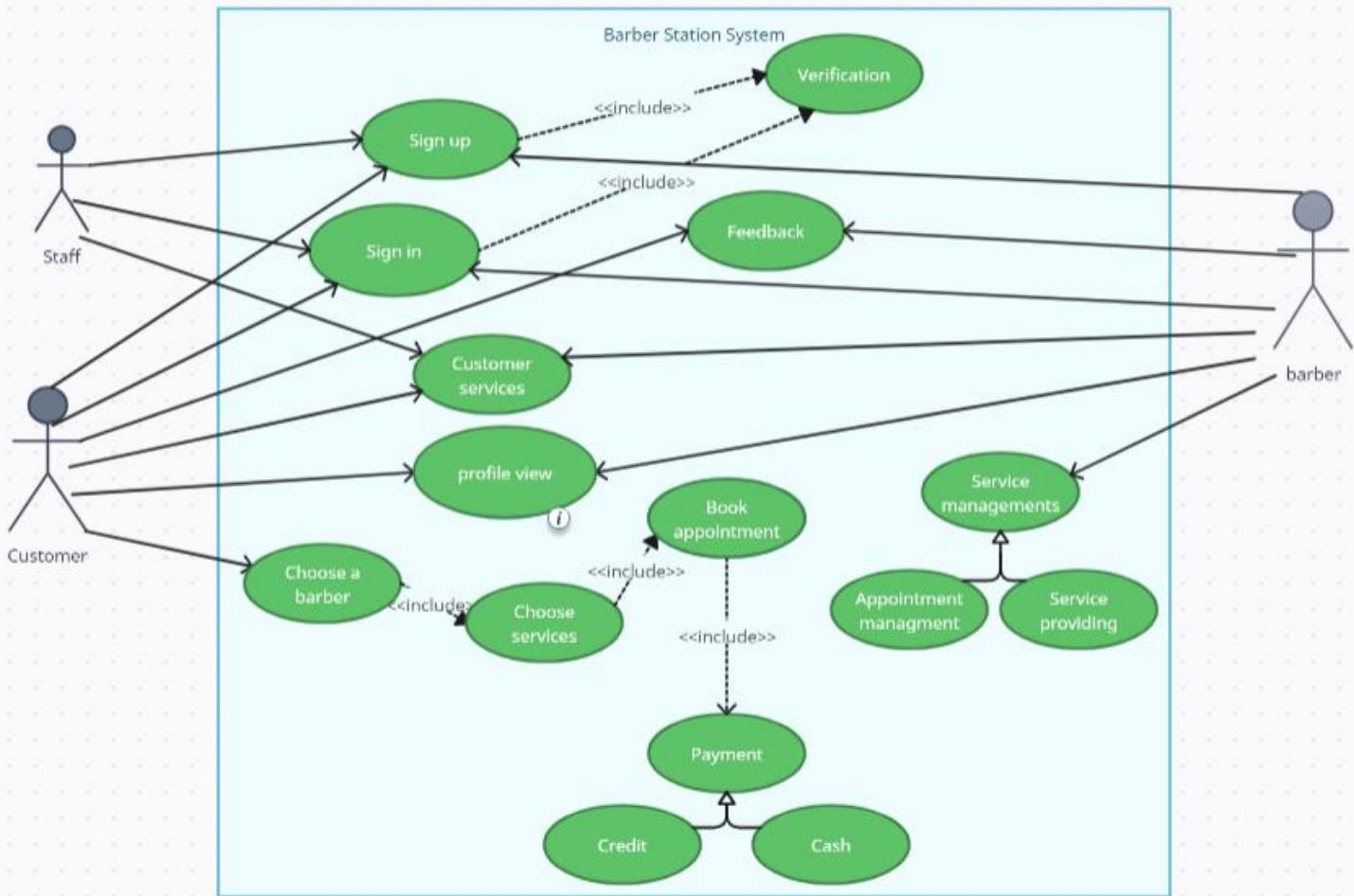
**SE2:** User authentication should be robust, utilizing secure password protocols or, preferably, two-factor authentication.

**SE3:** The software should encrypt sensitive data both during transmission and storage to prevent unauthorized access and data breaches.

**SE4:** Regular security audits and updates should be conducted to identify and fix any potential vulnerabilities.

**SE5:** The system should have a mechanism for data backup and recovery to ensure data integrity and availability in the event of a security breach or system failure.

## 6.6 Use case diagram



## 6.7 Use case analysis

| UC1: Sign up   |                                     |
|--|-------------------------------------|
| Scope:   | Citizens in Saudi Arabia and abroad |
| Level:   | mandatory, primitive.               |
| Primary Actor:   | the customer                        |
| Precondition:  | The user must have a phone number.  |
| stakeholders and interests:  | customer, barber.                   |
| Scenario to UC1:   |                                     |
| 1) The user fills in the field with the phone number, e-mail and password needed 2) A number will be sent to the user via SMS for verification. (3 The user fills in the field with the number that is sent to SMS |                                     |

| UC2: Sign in  |                                    |
|---|------------------------------------|
| Scope:  | Previously used in the application |
| Level:  | mandatory, primitive.              |
| Primary Actor:  | the user                           |
| Precondition:   | The user must be in the database   |
| stakeholders and interests:   | customer, staff, barber.           |
| Scenario to UC2:  |                                    |
| 1) The user fills in the field with the phone number or e-mail and password linked to the number. 2) A number will be sent to the user via SMS for verification. (3 The user fills in the field with the number that is sent to SMS |                                    |

| UC3: Verification   |   |
|---|---|
| Scope:  | barber system   |
| Level:  | Primary   |
| Primary Actor:  | customer  |
| Precondition:   | the customer should be in the barber station data base. |
| stakeholders and interests:   | the user , barbers and the App (Barber Station)         |
| Scenario to UC3:  |   |
| 1: The user captures clear and legible images of their government-issued ID (e.g., driver's license or passport) using their device's camera.<br>2: The user initiates a facial recognition process, capturing a real-time photo or short video of their face while following on-screen instructions for proper positioning and good lighting conditions. |   |

| UC4: Customer services   |   |
|--|---|
| Scope:   | who wants for complaints and inquiries. |
| Level:   | optional                                |
| Primary Actor:   | the user.                               |
| Precondition:  | Response during business hours          |
| stakeholders and interests:  | the customer, staff, barber.            |
| Scenario to UC4:   |   |
| Write your complaints or inquiries, and the staff of customers services will call you. |   |

| UC5: Profile view   |   |
|---|---|
| Scope:  | who have account in application.                    |
| Level:  | optional  |
| Primary Actor:  | the user.   |
| Precondition:   | the customer should have an account in application. |
| stakeholders and interests:   | the customer, barber.                               |
| Scenario to UC5:  |   |
| There will be a taskbar with a button, which the user can click and view the profile. |   |

| UC6: Barber selection   |  |
|---|--|
| Scope:  | Choose a Barber  |
| Level:  | Primary  |
| Primary Actor:  | The user   |
| Precondition:   | The Barber Station app is installed on the user's mobile device.<br>The user has created an account and logged in.<br>The user is in the process of booking an appointment and has reached the stage where they need to select a barber. |
| stakeholders and interests:   | the user and the App (Barber Station)  |
| Scenario to UC6:  |  |
| 1: The user accesses the list of available barbers, which includes details such as names, photos, service specialties, ratings, reviews, and availability slots.<br>2: The user reviews the displayed barber profiles and selects a specific barber from the list for their appointment booking |  |

| UC7: Services selection     |  |
|-----------------------------|--|
| Scope:                      | Choose the desired services  |
| Level:                      | Primary  |
| Primary Actor:              | User   |
| Precondition:               | The Barber Station app is installed on the user's mobile device.<br>The user has created an account and logged in.<br>The user is in the process of booking an appointment and has reached the stage where they need to select the specific grooming services they desire.                             |
| stakeholders and interests: | the user , barbers and the App (Barber Station)  |
| Scenario to UC:             | <p>1: The user selects the "Choose Services" option within the app.</p> <p>2: The app displays a list of available grooming services, including descriptions and costs. The user reviews the list, selects the specific services they want, and proceeds to the next stage of appointment booking.</p> |

| UC8: Book appointment       |  |
|-----------------------------|--|
| Scope:                      | who wants to book an appointment   |
| Level:                      | Primary  |
| Primary Actor:              | User   |
| Precondition:               | The Barber Station app is installed on the user's mobile device.<br>The user has created an account and logged in.<br>The user has chosen specific grooming services and selected a preferred barber.<br>The user has reached the stage where they need to schedule a date and time for their appointment. |
| stakeholders and interests: | the user , barbers and the App (Barber Station)  |
| Scenario to UC8:            | <p>1: The user selects a preferred date and time for their appointment from the available options displayed in the app.</p> <p>2: After confirming the selected date and time, the app sends an appointment confirmation to the user, including appointment details and the chosen barber's name</p>       |

| UC9: Feedback               |  |
|-----------------------------|--|
| Scope:                      | Who wants to give a review about their experience                                      |
| Level:                      | optional   |
| Primary Actor:              | the staff.   |
| Precondition:               | The customer must complete the shave.  |
| stakeholders and interests: | After you finish the shave, the application will send a notification to give feedback. |
| Scenario to UC9:            | After you finish the shave, the application will send a notification to give feedback. |

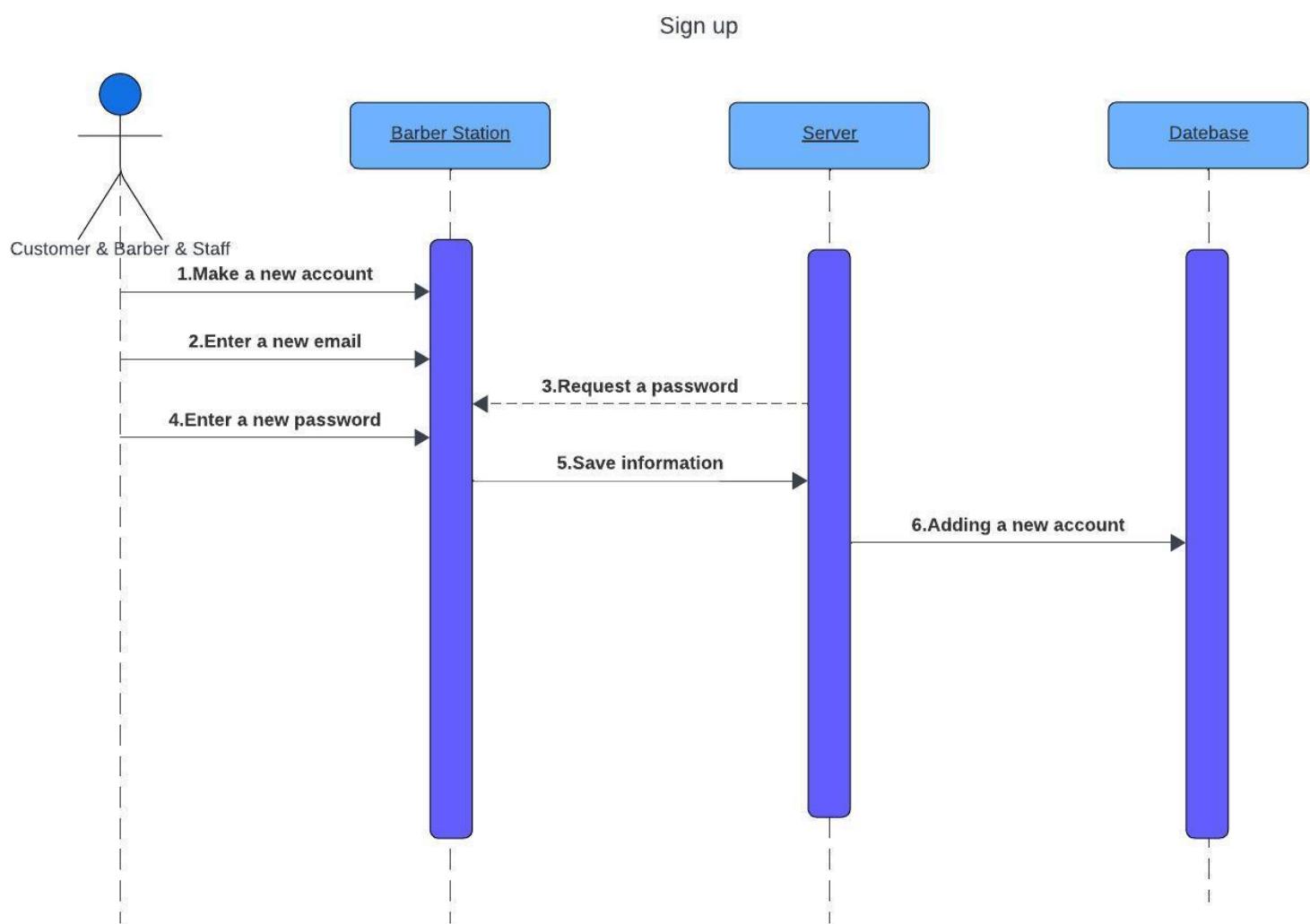
| UC10: Appointment management |   |
|------------------------------|---|
| Scope:                       | Anyone who was appointment to manage  |
| Level:                       | Primary   |
| Primary Actor:               | User  |
| Precondition:                | The Barber Station app is installed on the user's mobile device.<br>The user has created an account, logged in, and booked one or more appointments.<br>The user wishes to view, modify, or cancel existing appointments.   |
| stakeholders and interests:  | the user , barbers and the App (Barber Station)   |
| Scenario to UC10:            | <p>1: The user selects the "Appointment Management" option within the app, which displays a list of their upcoming appointments with details.</p> <p>2: The user can choose to view, modify, or cancel specific appointments, making necessary changes or cancellations as needed</p> |

| UC11: Payment               |   |
|-----------------------------|---|
| Scope:                      | Handling the entire payment process for barber services.  |
| Level:                      | mandatory   |
| Primary Actor:              | Client  |
| Precondition:               | Clients should have booked appointments or received services from barbers before payment is initiated.  |
| stakeholders and interests: | Client, barber  |
| Scenario to UC11:           | <p>Payment Initiation: Client proceeds to pay.</p> <p>Payment Method Selection: Client chooses the method of payment (cash/credit card)</p> <p>Confirmation: Payment confirmation provided.</p> <p>Change or receipt given if applicable.</p> |

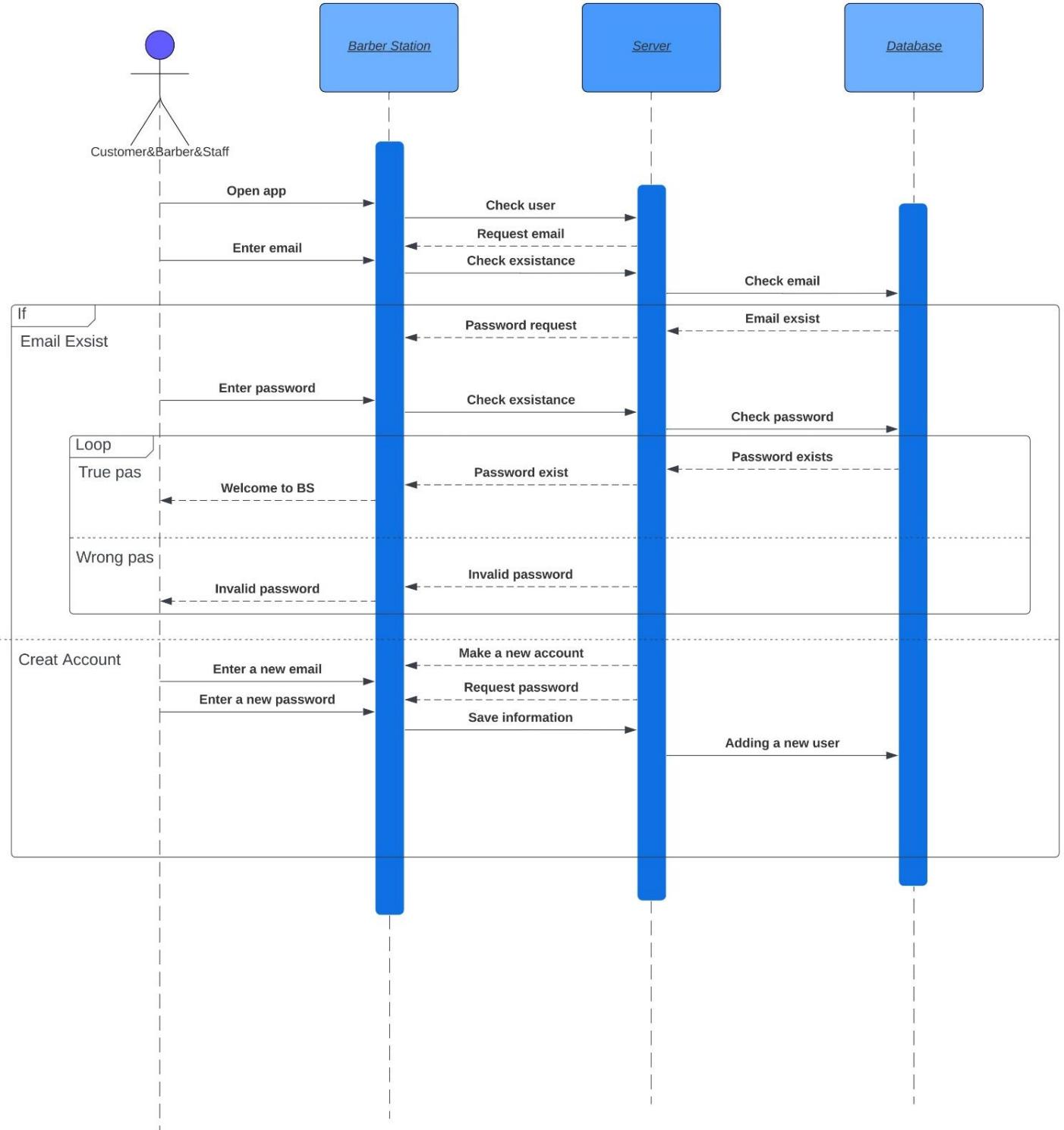
## 7. Analysis Phase 2

### 7.1 System Sequence Diagram

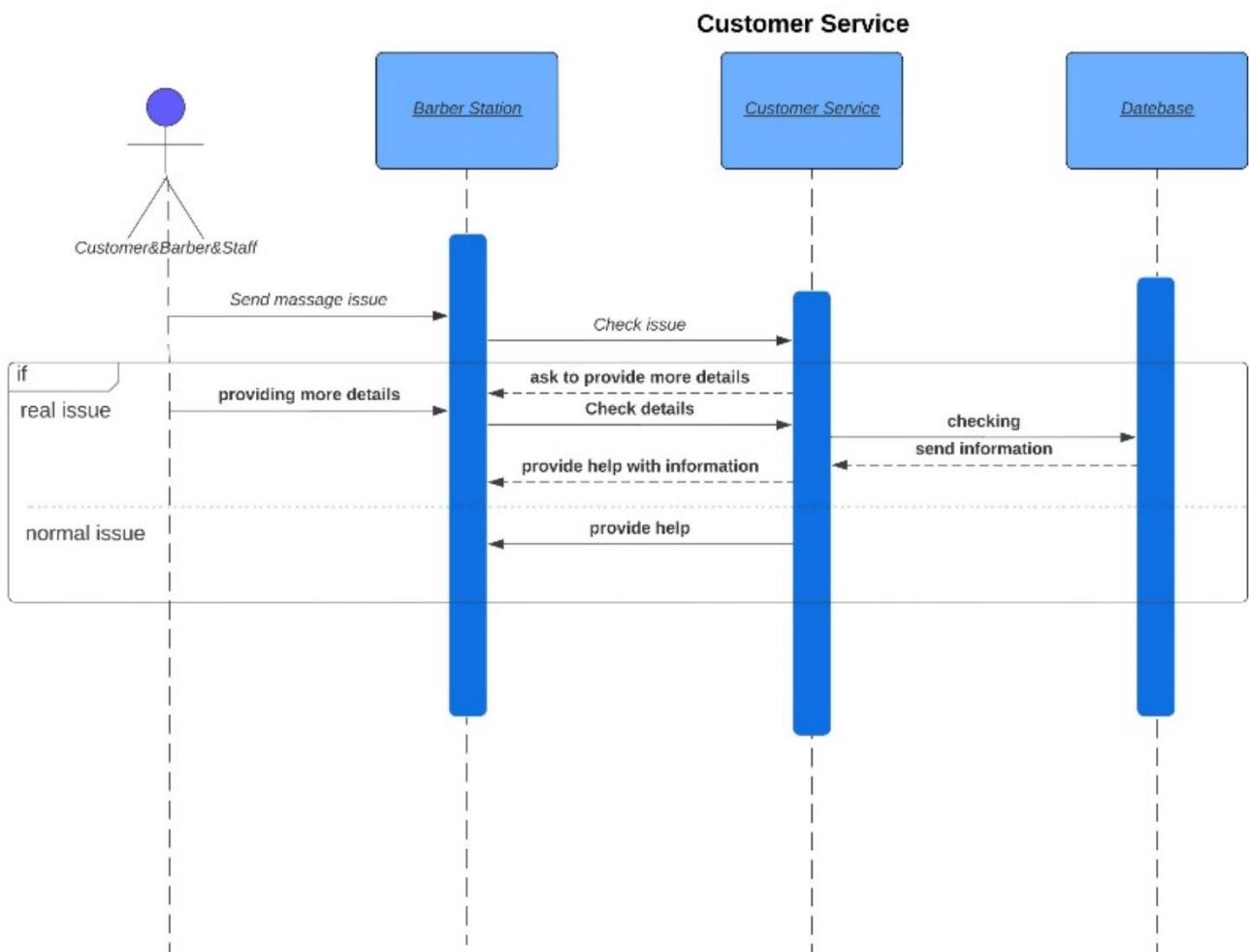
1- Use case (Sign up)



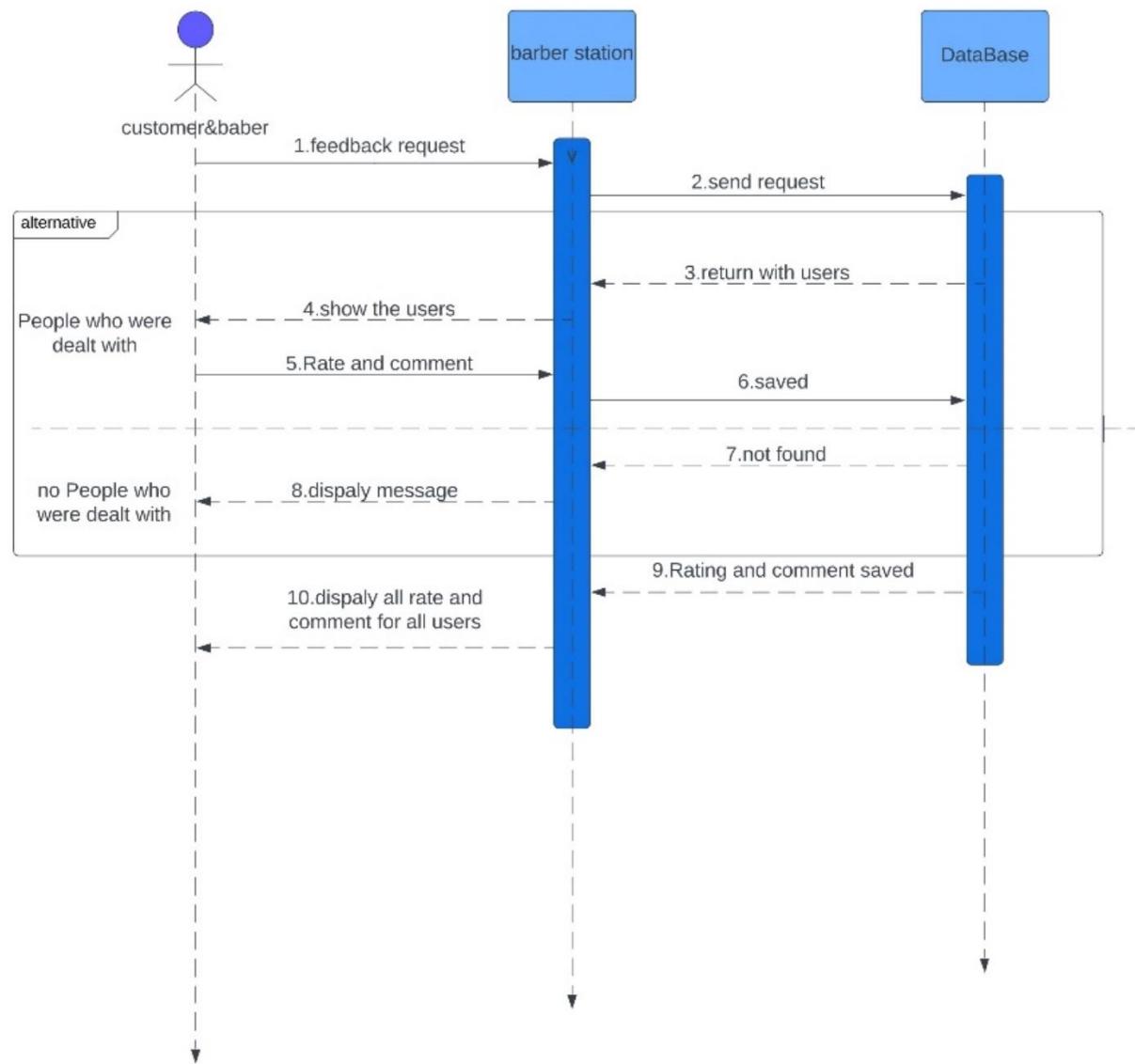
## 2- Use case (Sign in)



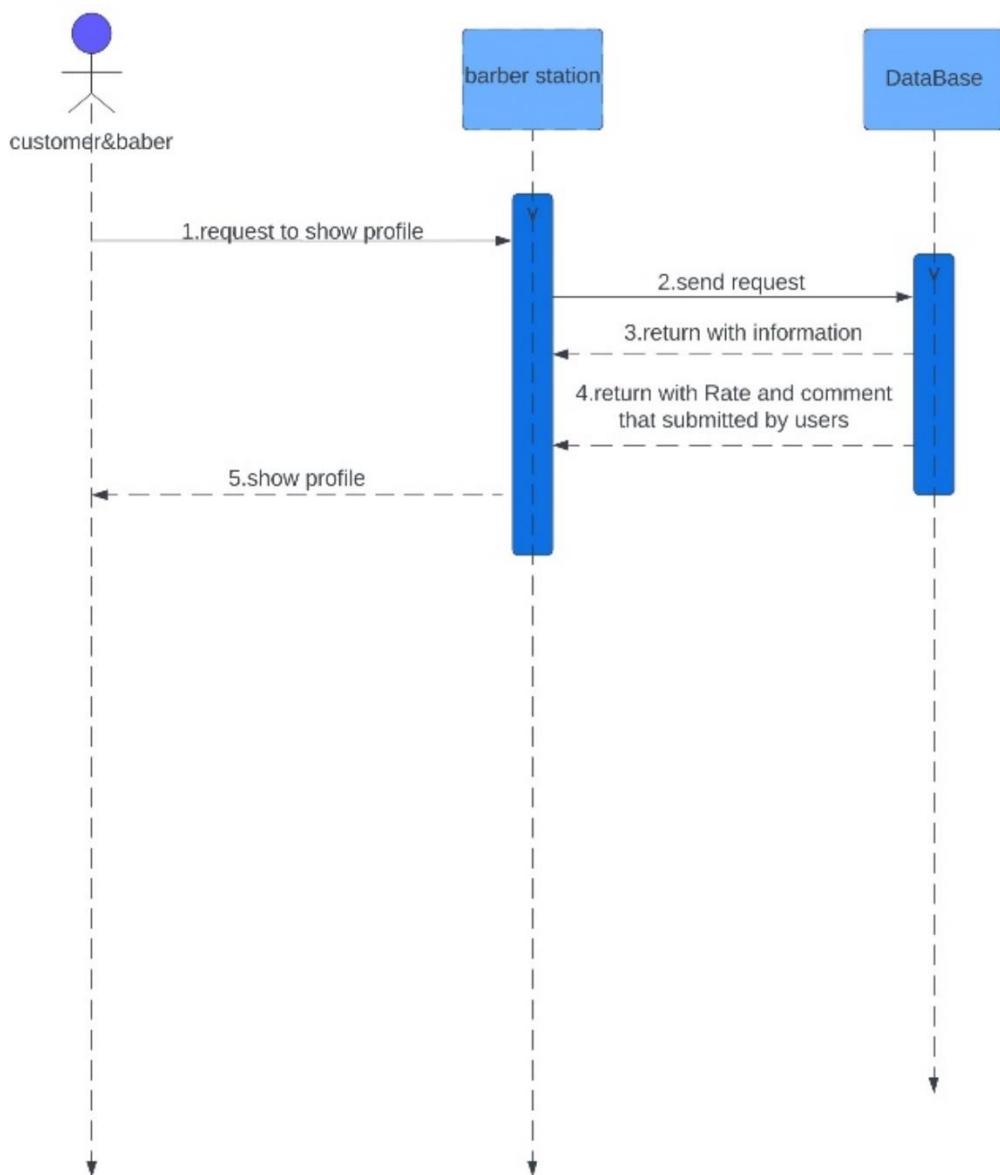
### 3- Use case (Costumer Service)



#### 4- Use case (Feedback)

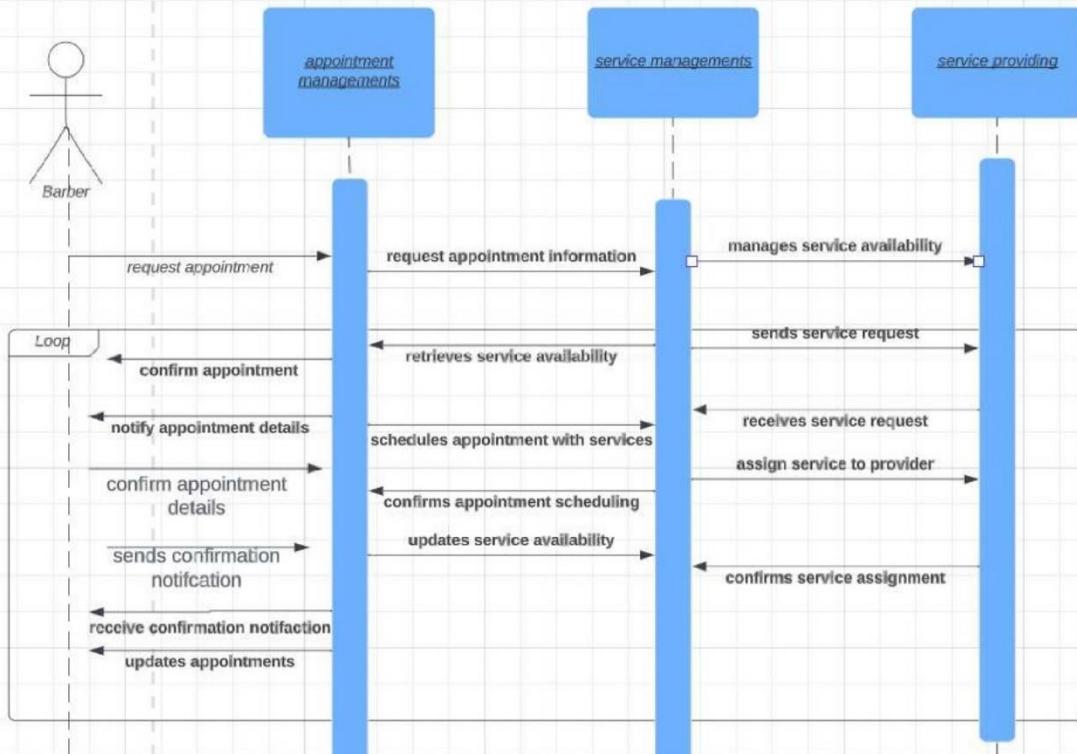


## 5- Use case (view profile)

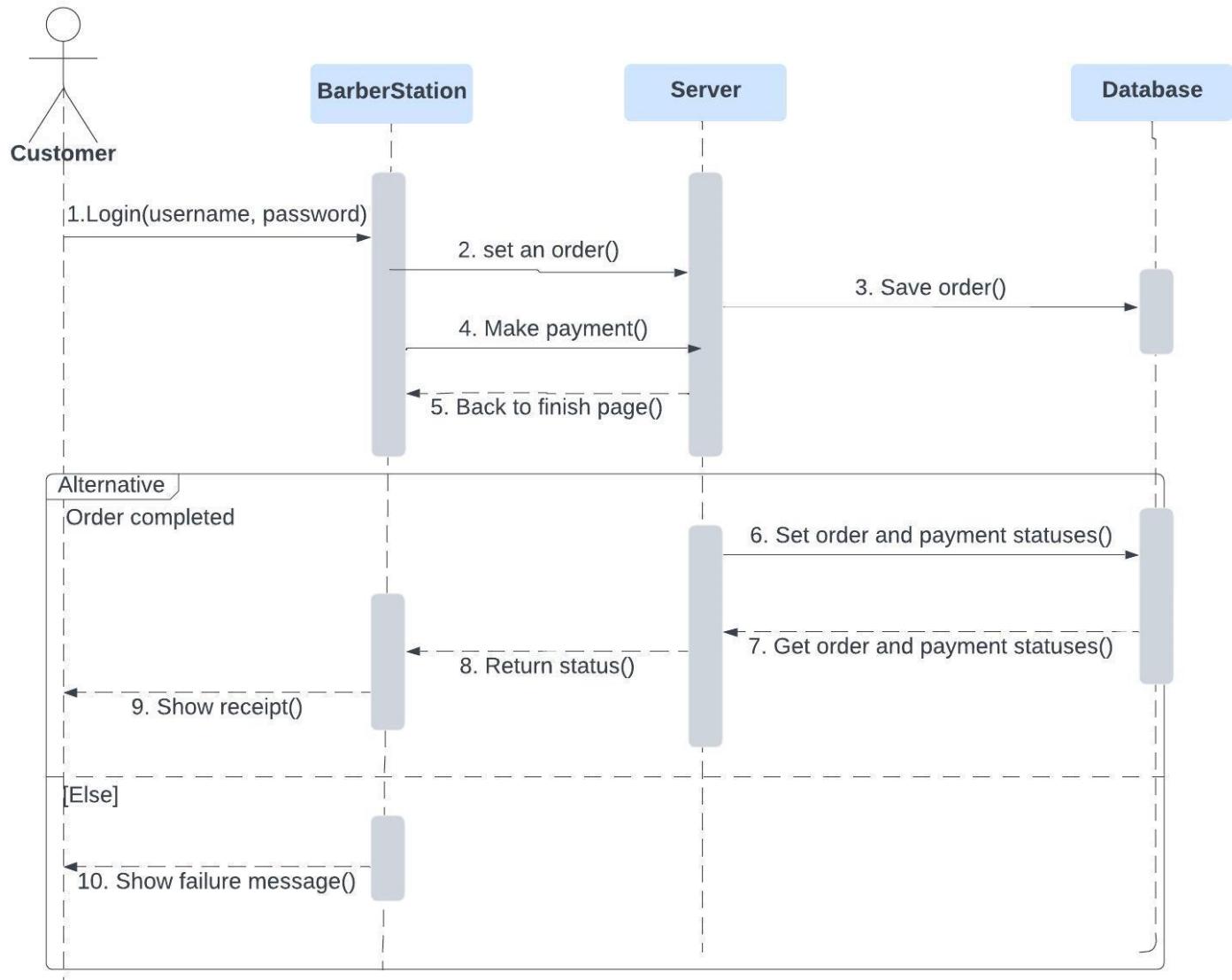


## 6- Use case (Appointment mangagment)

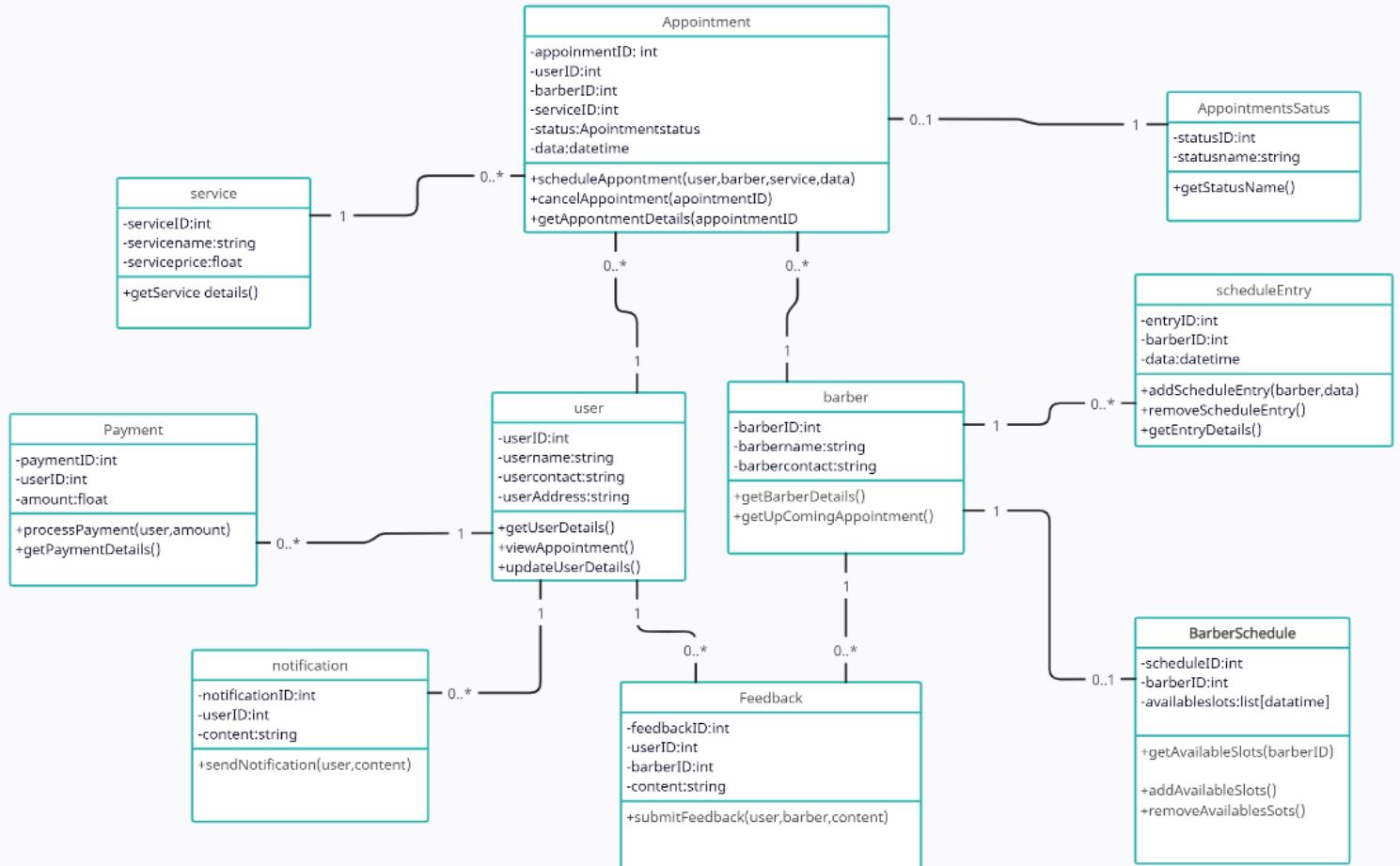
By Yazan Al Ansari



## 7- Use case (payment)



## 8. Modeling phase



## Table of tasks

| <b>Lab</b> | <b>Task</b>                | <b>Names</b>   |
|------------|----------------------------|--|
| 1          | Idea<br>Introduction       | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |
| 2          | Interview<br>Questionnaire | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |
| 3          | Planning Phase 1           | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |
| 4          | Planning Phase 2           | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |
| 5          | Analysis Phase 1           | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |
| 6          | Analysis Phase 1           | Loay Aloqbi<br>Abdulrahman Alnowaiser<br>Abdulaziz Almalki<br>Yazan Alghamdi<br>Yazan Alansari |

|   |                         |   |
|---|-------------------------|---|
| 7 | <b>Analysis Phase 1</b> | <b>Loay Aloqbi</b><br><b>Abdulrahman Alnowaiser</b><br><b>Abdulaziz Almalki</b><br><b>Yazan Alghamdi</b><br><b>Yazan Alansari</b> |
| 8 | <b>Analysis Phase 2</b> | <b>Loay Aloqbi</b><br><b>Abdulrahman Alnowaiser</b><br><b>Abdulaziz Almalki</b><br><b>Yazan Alghamdi</b><br><b>Yazan Alansari</b> |
| 9 | <b>Modeling Phase</b>   | <b>Loay Aloqbi</b><br><b>Abdulrahman Alnowaiser</b><br><b>Abdulaziz Almalki</b><br><b>Yazan Alghamdi</b><br><b>Yazan Alansari</b> |