

# **HEALTHIFY**

**GROUP ID : 76**

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**REASONS?**

# COVID-19

One of the difficulty faced by people was to get a proper healthcare for a normal disease.



# PILES OF FILES

- For analysing report bunch of files is a hardship. People have flip pages from start to end.
- Storing in hardcopy may cause loss of information



# INDEX

1. Existing System
2. Proposed System
3. Scope of System
4. Objective of System
5. Stackholder of System
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8. Hardware-Software Requirement
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10. UML Diagram
11. System Flow Diagram
12. Data Dictionary
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14. System Navigation Diagram
15. Limitations
16. Bibliography



# **1. EXISTING SYSTEM**

# PRACTO

- Practo is an app that helps patients to find the right doctor book appointments and health check-ups, order medicines and consult doctors online.
- It is an online healthcare appointment booking app where patients can get immediate doctors consultation and also book an appointment at a convenient time

The Practo logo is displayed on a dark blue background. The word "practo" is written in a lowercase, sans-serif font. The letter "p" has a blue dot above it, and the letter "o" has a blue dot below it, creating a stylized "dot" effect.

## **2. PROPOSED SYSTEM**

# HEALTHIFY

- The patients will be able to look for the healthcare services according to their ailments, locality and the speciality of the physicians.
- The patients can book the services accordingly and can meet the doctors online.
- The doctors can give consultation to the patients and solve their problems.
- User can save their medical data online and view their data at their convenience, replacing the current system i.e storing files in hard copy.
- Patients and doctor can see their respective medical history in graph. This will give an edge towards the analysis of medical data of patients.

# **3. SCOPE OF SYSTEM**

# INCLUSION

- Admin keeps a track of all the operations, records the user data. It manages the patient and doctors' records.
- The admin can manage the patients, doctors, appointments, financial bills, etc. Furthermore, it provides users with data security due to all regulations.
- Patients will be able to sign in or sign up, book an appointment online and offline and have a check on their profile and comprehensive medical history.
- Medical history can be viewed in charts which will help both doctors and patients to analysis the data more efficiently.
- Doctors will have features like Appointment management, patient records, edit profile, transaction and total earning.

# EXCLUSION

- Patients cannot order medicine and diagnostics online.
- Doctor's cannot add their personal schedule.
- Hospitals are not included.

# ASSUMPTIONS

- Doctor and patient appointment will be completed within the given time.
- The doctors available are genuine so no need to remove a doctor.
- Healthify will take 20% profit from the appointment charges and the doctors will accept this condition.
- All the video calls will be successfully completed.

# **6. PROJECT DEFINITION**

# INTENTION

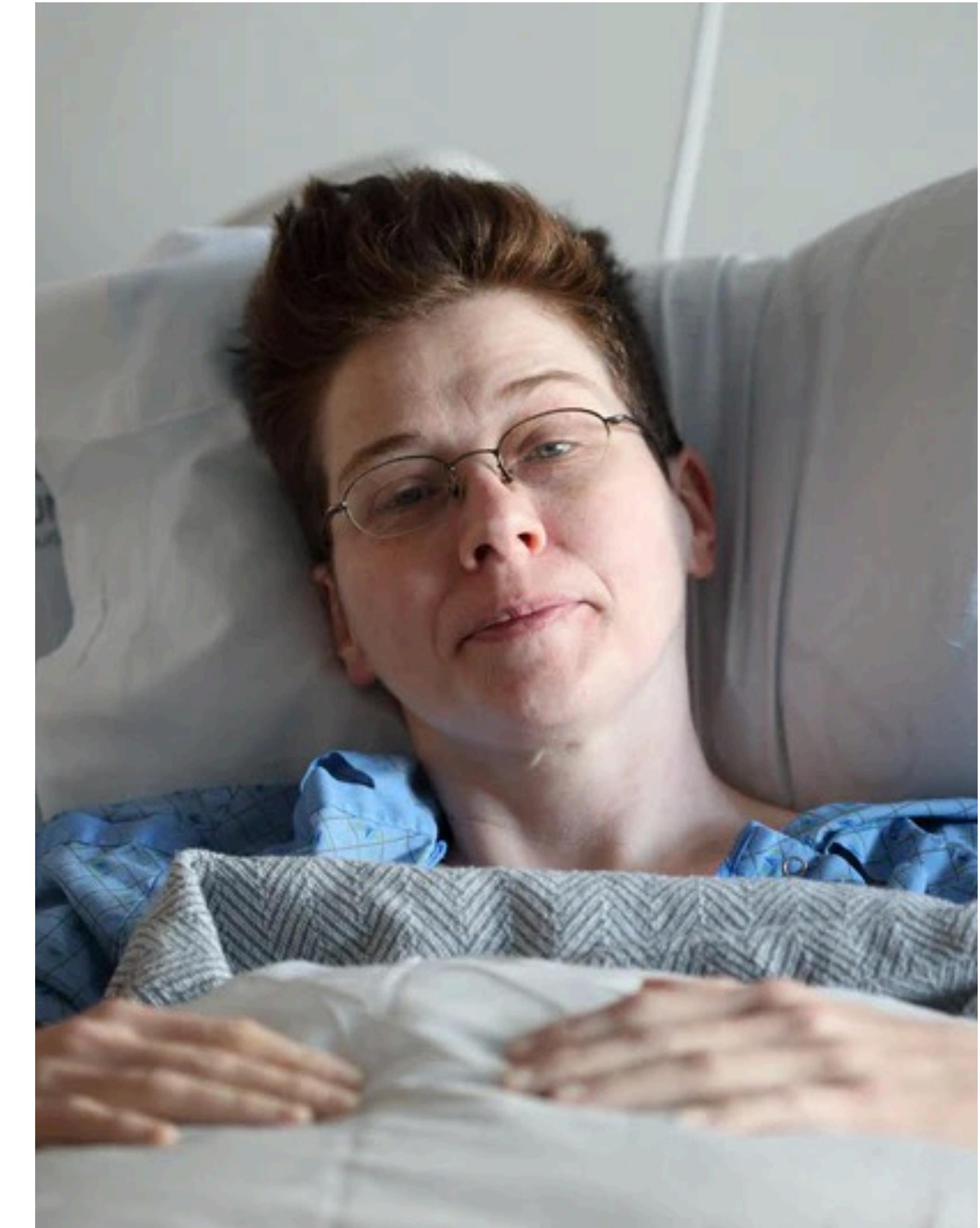
- ▶ ***Efficiency*** : This website allows online consultation, which will reduce the time taken to reach a proper medication. Removing file work for storing medical history will help both doctor and patient to analyse the data more accurately and efficiently.
- ▶ ***Economical*** : Not charging any extra fee for storing medical history online.
- ▶ ***Accuracy*** : Patient can select the best doctor with the given time and place.
- ▶ ***Secured*** : The medical history stored will be secured so there won't be any data or privacy breaches.
- ▶ ***Automation*** : Automatically creating a list of doctor according to your problem. And creating charts of your medical history to make you easily navigate through your medical history.

# **5. STAKEHOLDER OF SYSTEM**

**DOCTOR**



**PATIENT**



**ADMIN**



# **6. PROJECT DEFINITION**



**Our mission is to make quality healthcare accessible at convenient time. We offer comprehensive medical directory [prescription and diagnostic], online and offline consultation. Our aim goes deep with creating connection, trust and transparency. Creating an e-consultation website.**

# 7. FEASIBILITY STUDY

# TECHNICAL FEASIBILITY

**Our System includes the following:**

- The facility to provide the services in a reasonable time period.
- The environment to communicate data to distant locations.
- It requires a Standard OS and a standard web browser.
- All the required tools and technologies are procured.

**Therefore, there is no need for any advanced tool or software, making our system technically feasible.**

# ECONOMICAL FEASIBILITY

**Our System includes the following:**

- The additional cost of hiring a system operator is saved.
- Our system domain is included in a sunrise industry.
- The capital expenditure of software infrastructure and operating expenditure of maintenance is quiet cost-effective.

**Therefore, the investment of developing the system is reasonable, making it economically feasible.**

# OPERATIONAL FEASIBILITY

**Our System includes the following:**

- The user need not require any technical skill to operate through the system; only some basic knowledge of computers and websites is required.
- Our system is user friendly for the users to navigate through the system.

**Therefore, the system is operational.**

# **8. HARDWARE AND SOFTWARE REQUIREMENT**

# HARDWARE REQUIREMENT

<b>Processor</b>	Pentium Microprocessor or above
<b>Memory</b>	256 MB or higher
<b>Storage</b>	2 GB or higher

# SOFTWARE REQUIREMENT

<b>Front End:</b>	HTML, CSS, Bootstrap, JavaScript
<b>Back End:</b>	Java
<b>Database:</b>	SQL
<b>Tools:</b>	Visual Studio Code, Github

```
//fires the appear event when appropriate
var check = function() {
    //is the element hidden?
    if (!t.is(':visible')) {
        //it became hidden
        t.appeared = false;
    }

    //is the element inside the visible window?
    var a = w.scrollLeft();
    var b = w.scrollTop();
    var o = t.offset();
    var x = o.left;
    var y = o.top;

    var ax = settings.accX;
    var ay = settings.accY;
    var th = t.height();
    var wh = w.height();
    var tw = t.width();
    var ww = w.width();

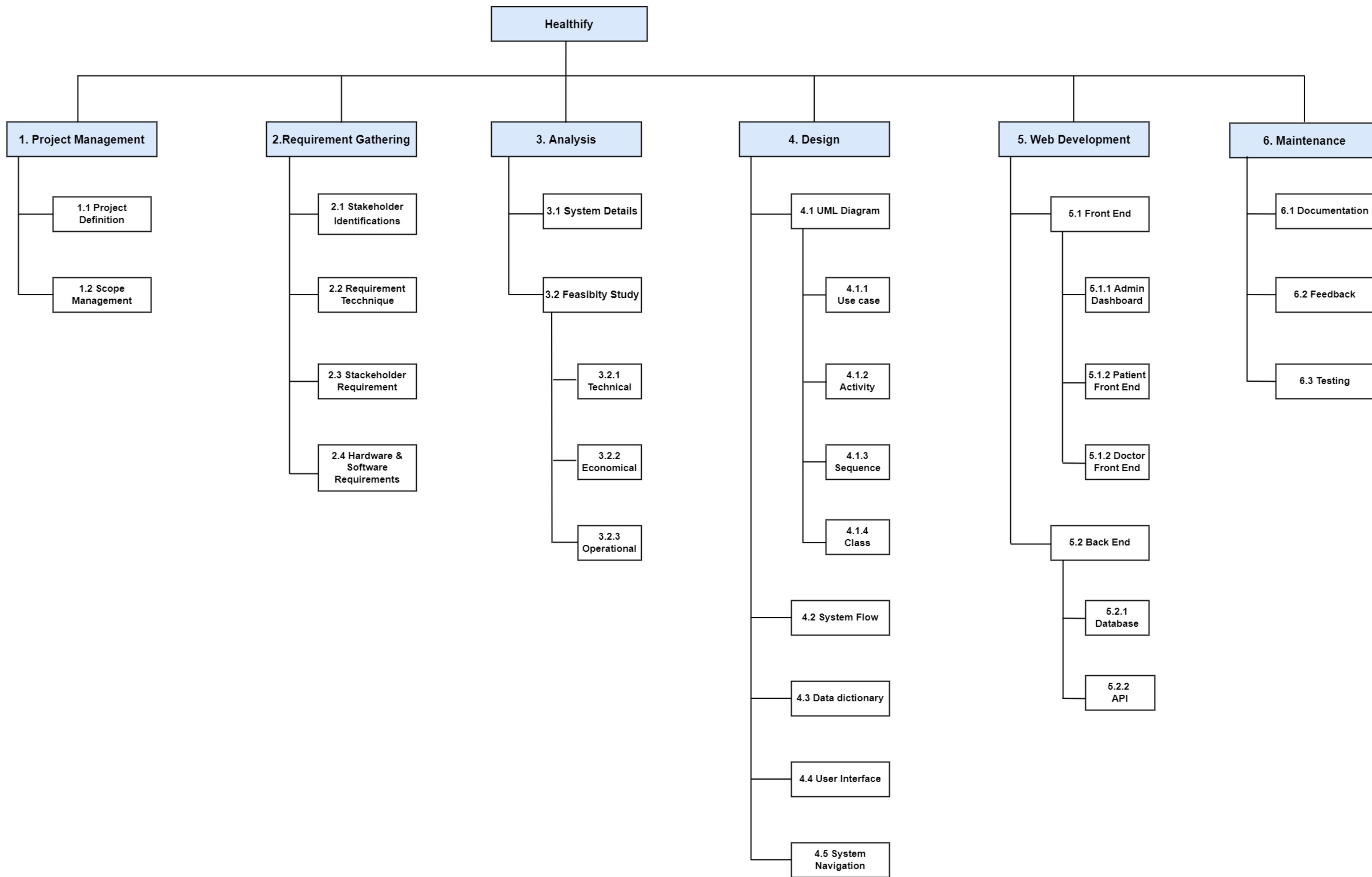
    if (y + th + ay >= b &&
        y <= b + wh + ay &&
        x + tw + ax >= a &&
        x <= a + ww + ax) {
        //trigger the custom event
        if (!t.appeared) t.trigger('appear', settings.data);
    } else {
        //it scrolled out of view
        t.appeared = false;
    }
};

//create a modified fn with some additional logic
var modifiedFn = function() {
    //mark the element as visible
    t.appeared = true;
    //is this supposed to happen only once?
    if (settings.one) {
        //remove the check
        w.unbind('scroll', check);
        var i = $.inArray(check, $._fn.appear.checks);
        if (i >= 0) $._fn.appear.checks.splice(i, 1);
    }
    //trigger the original fn
    fn.apply(this, arguments);
};

//bind the modified fn to the element
if (settings.one) t.one('appear', settings.data, modifiedFn);
//bind the modified fn to the element
if (settings.one) t.one('appear', settings.data, modifiedFn);
```

# **9. WORK BREAKDOWN STRUCTURE AND GANTT CHART**

## WORK BREAKDOWN STRUCTURE



# GANTT CHART

# 10. UML DIAGRAM

# UML INDEX

## 1. USE CASE DIAGRAM

## 2. ACTIVITY DIAGRAM

- I. Admin Activity
- II. Doctor Activity
- III. Patient Activity

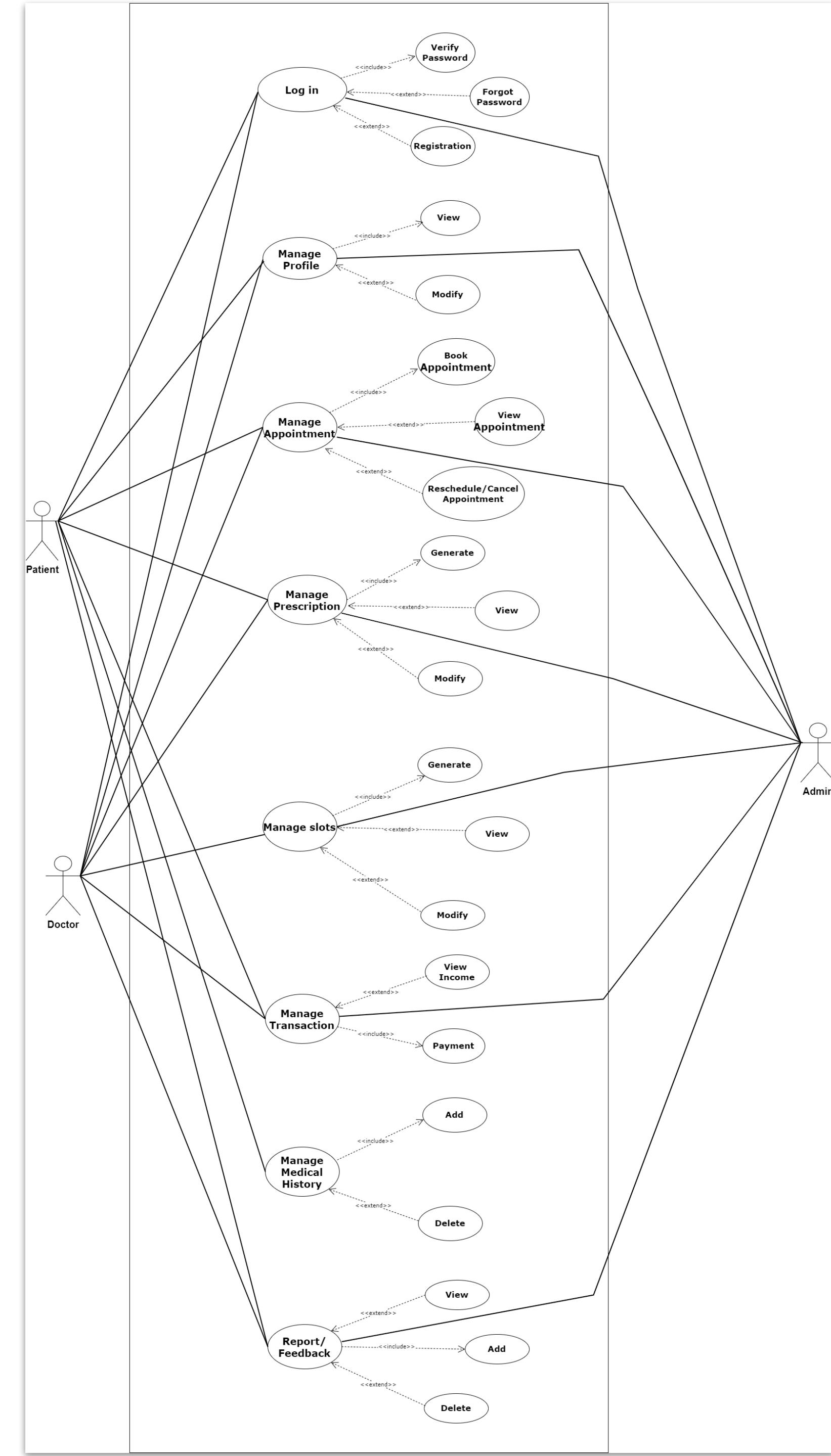
## 3. SEQUENCE DIAGRAM

- I. Admin Sequence
- II. Patient Sequence
- III. Doctor Sequence

## 4. CLASS DIAGRAM

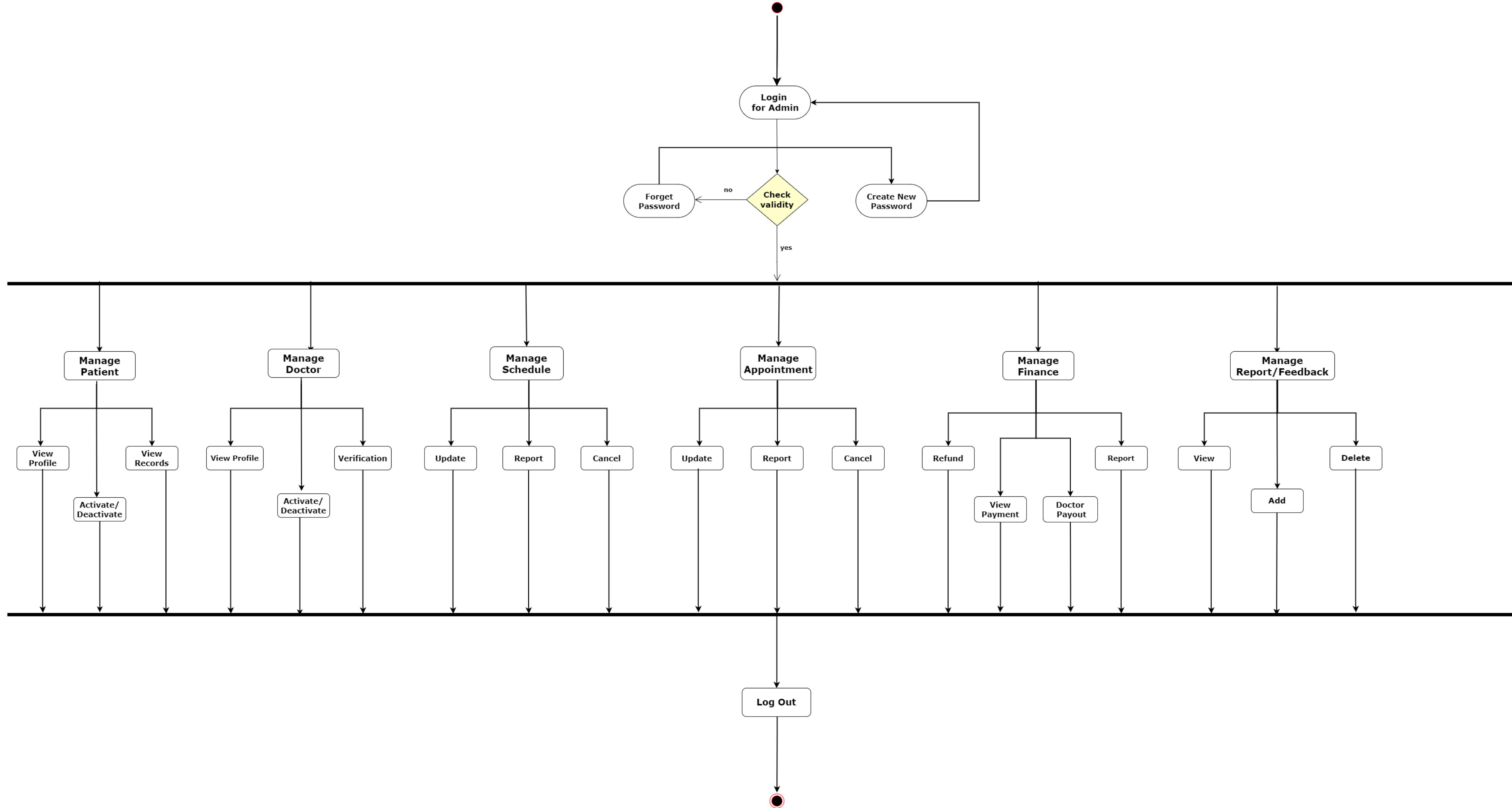
# I. USE CASE DIAGRAM

# USE CASE DIAGRAM

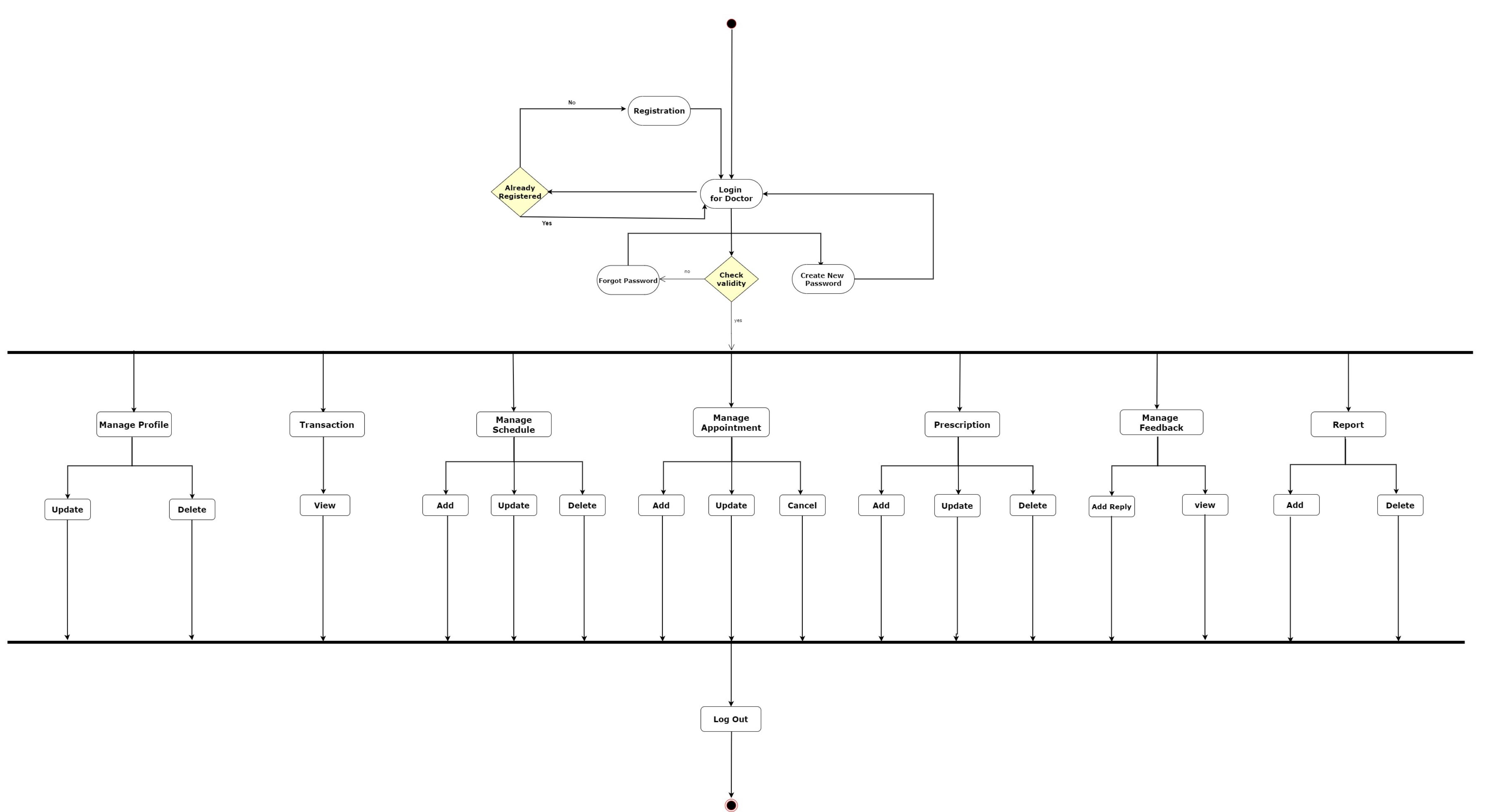


## **II. ACTIVITY DIAGRAM**

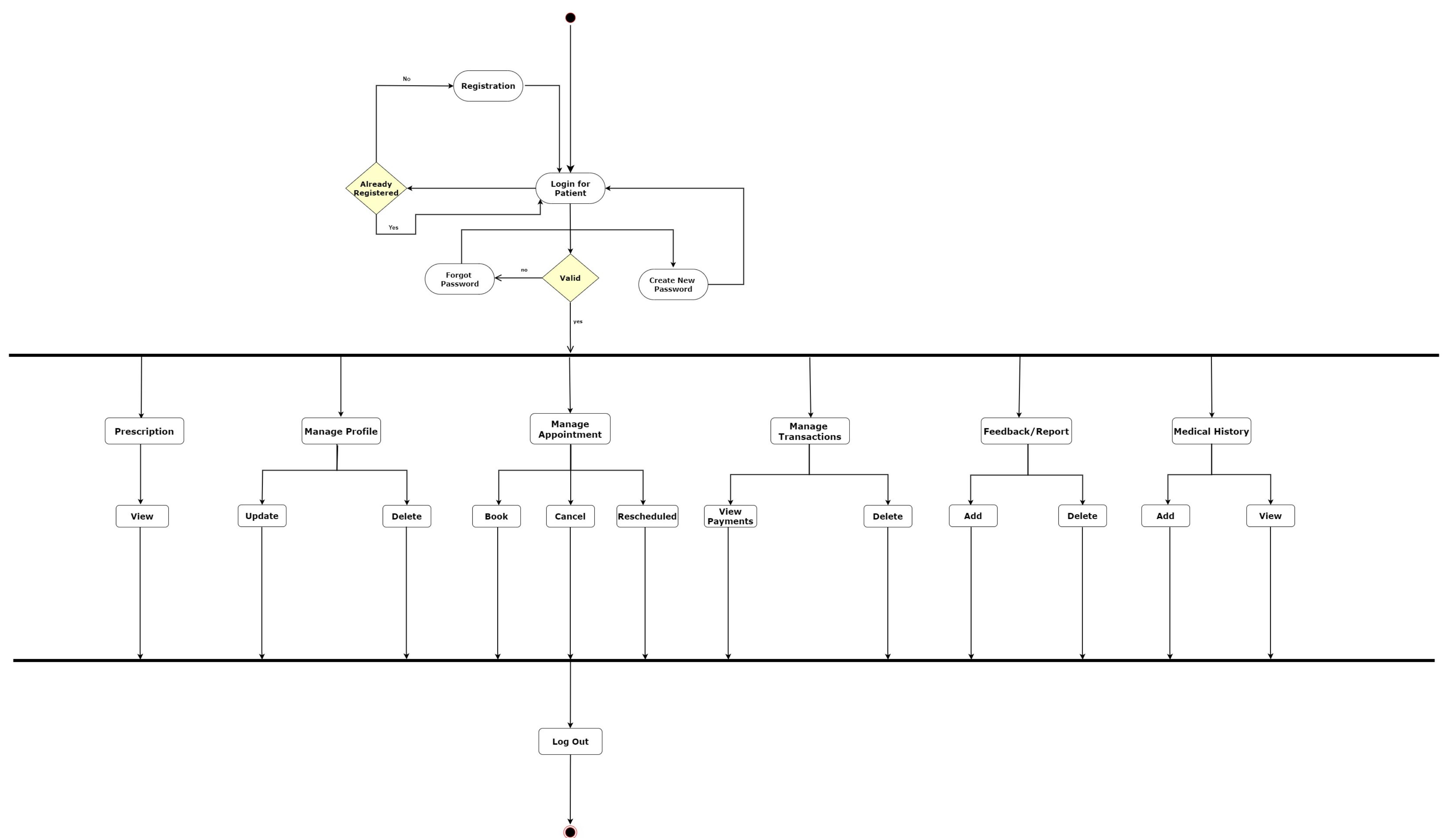
# ADMIN ACTIVITY DIAGRAM



# DOCTOR ACTIVITY DIAGRAM

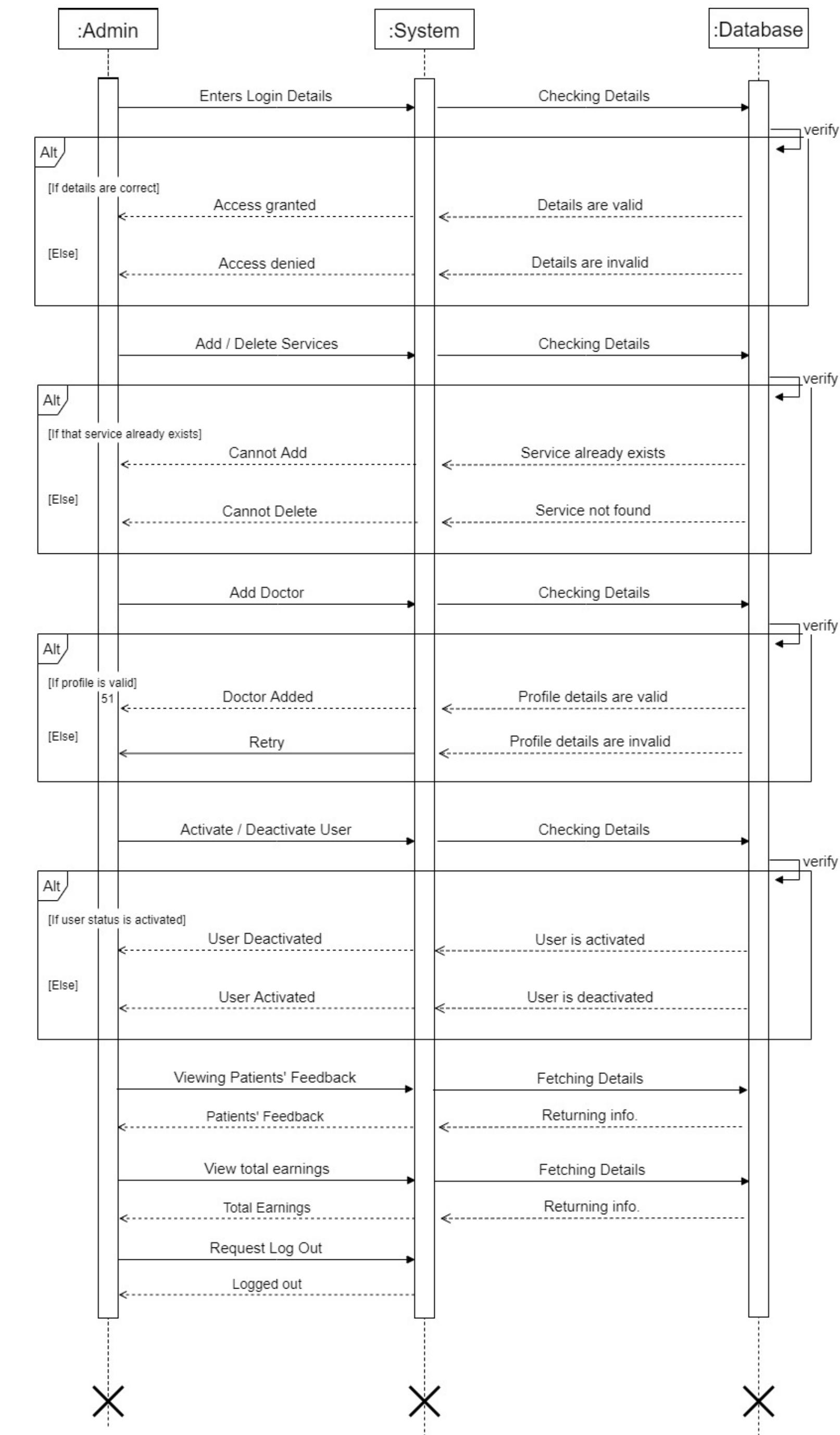


# PATIENT ACTIVITY DIAGRAM



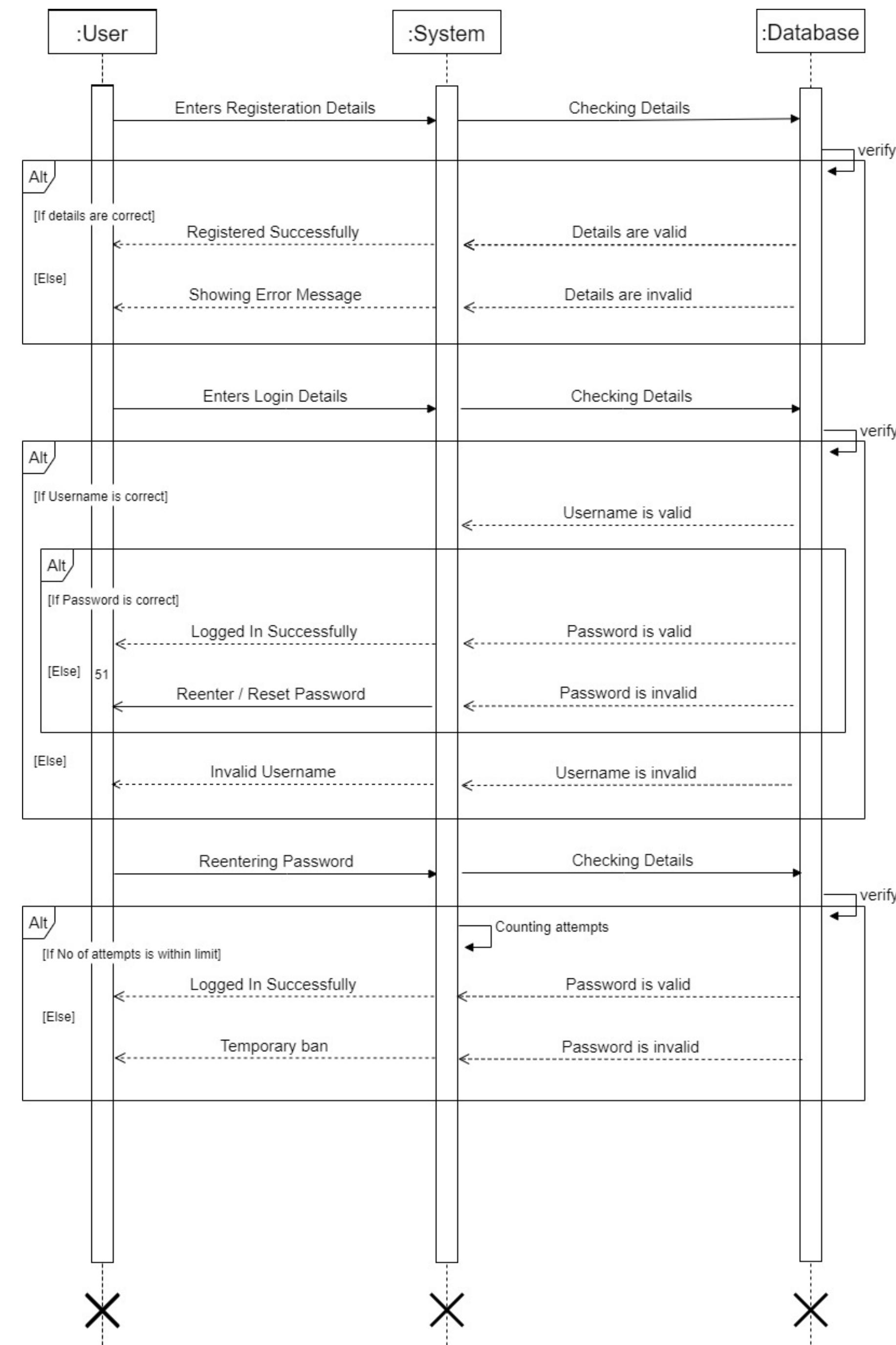
# **III. SEQUENCE DIAGRAM**

# ADMIN SEQUENCE DIAGRAM



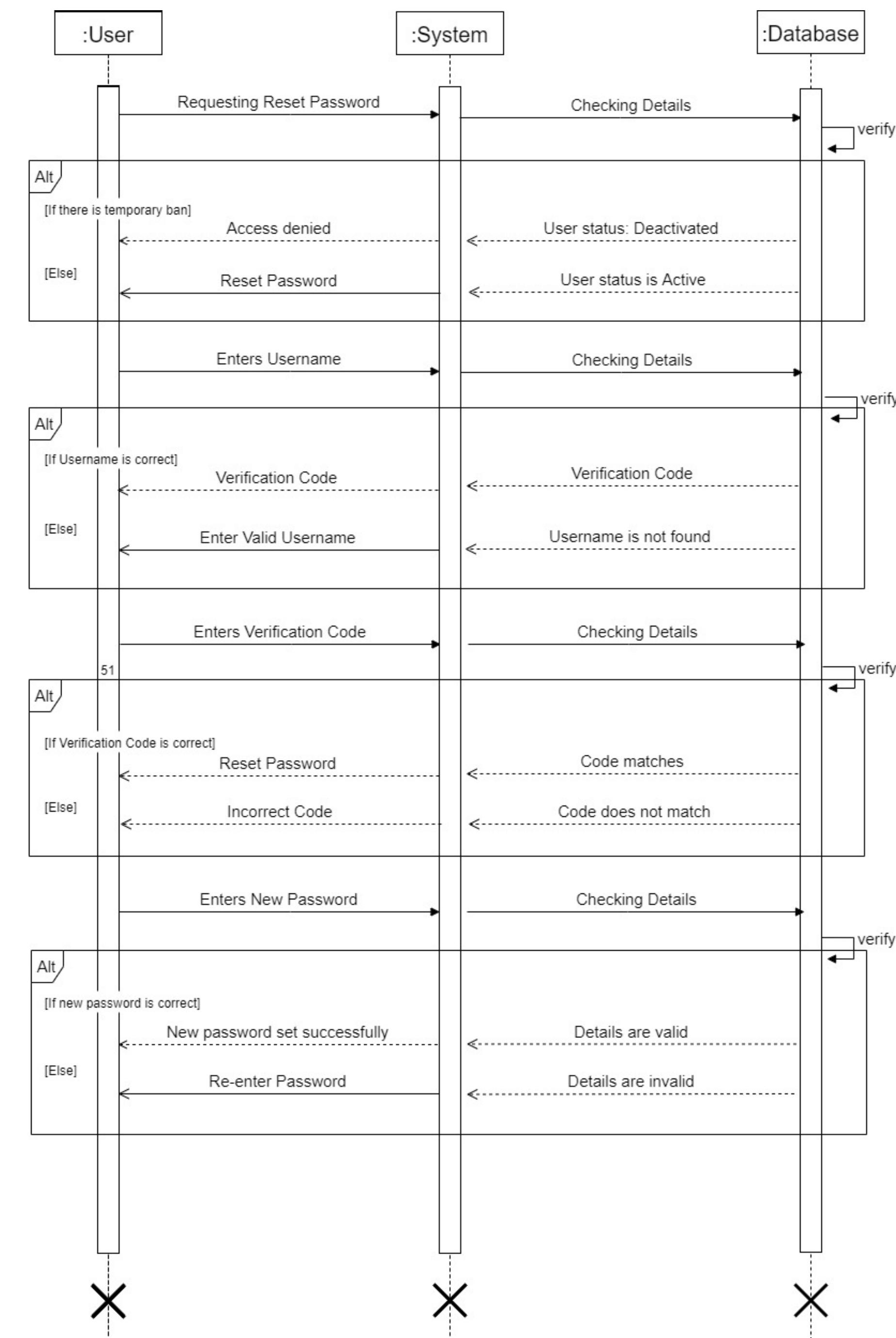
# USER SEQUENCE DIAGRAM

(USER REGISTRATION AND LOG IN)



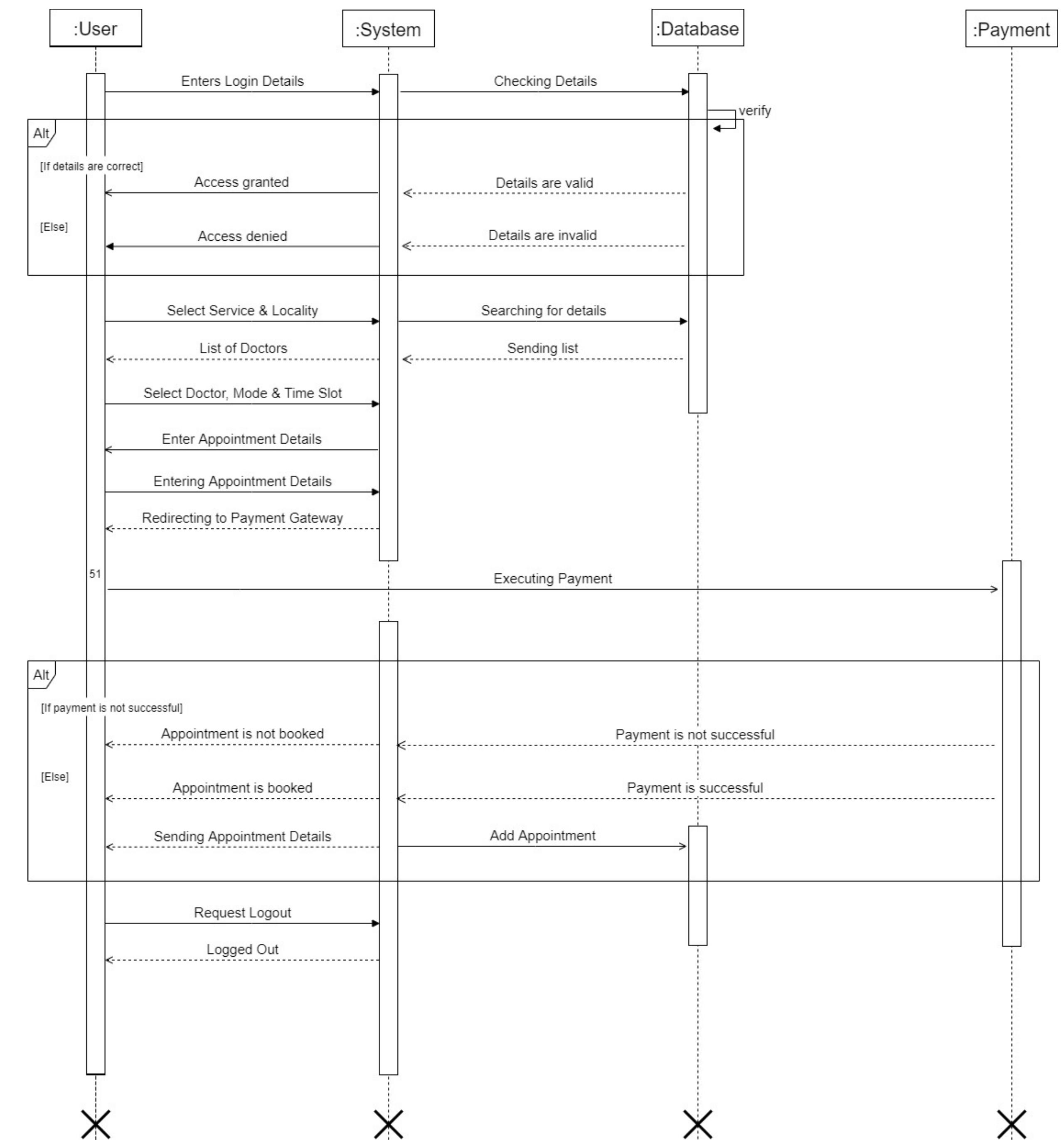
# USER SEQUENCE DIAGRAM

(USER RESETING PASSWORD)



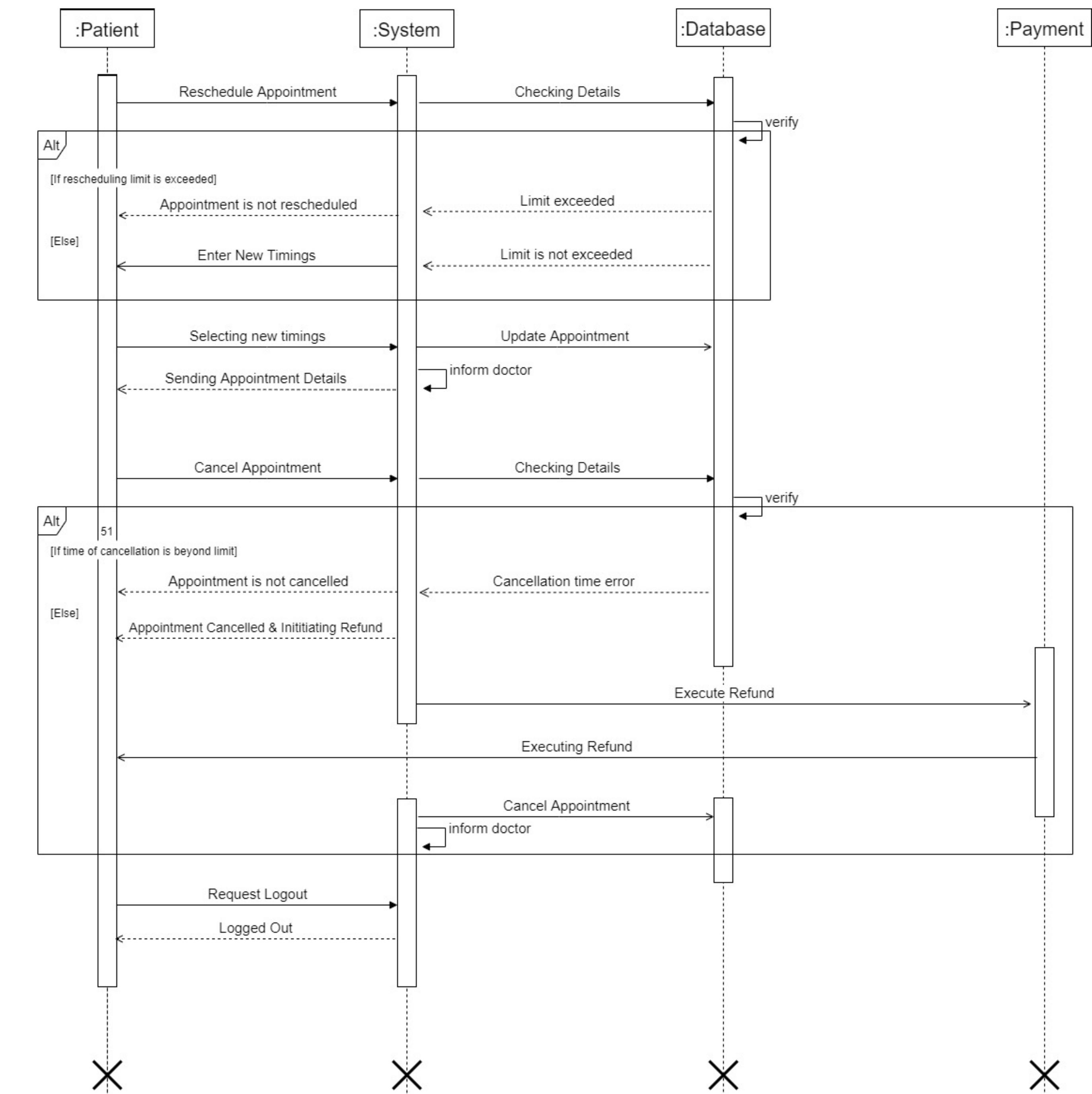
# USER SEQUENCE DIAGRAM

(USER BOOKING APPOINTMENT)



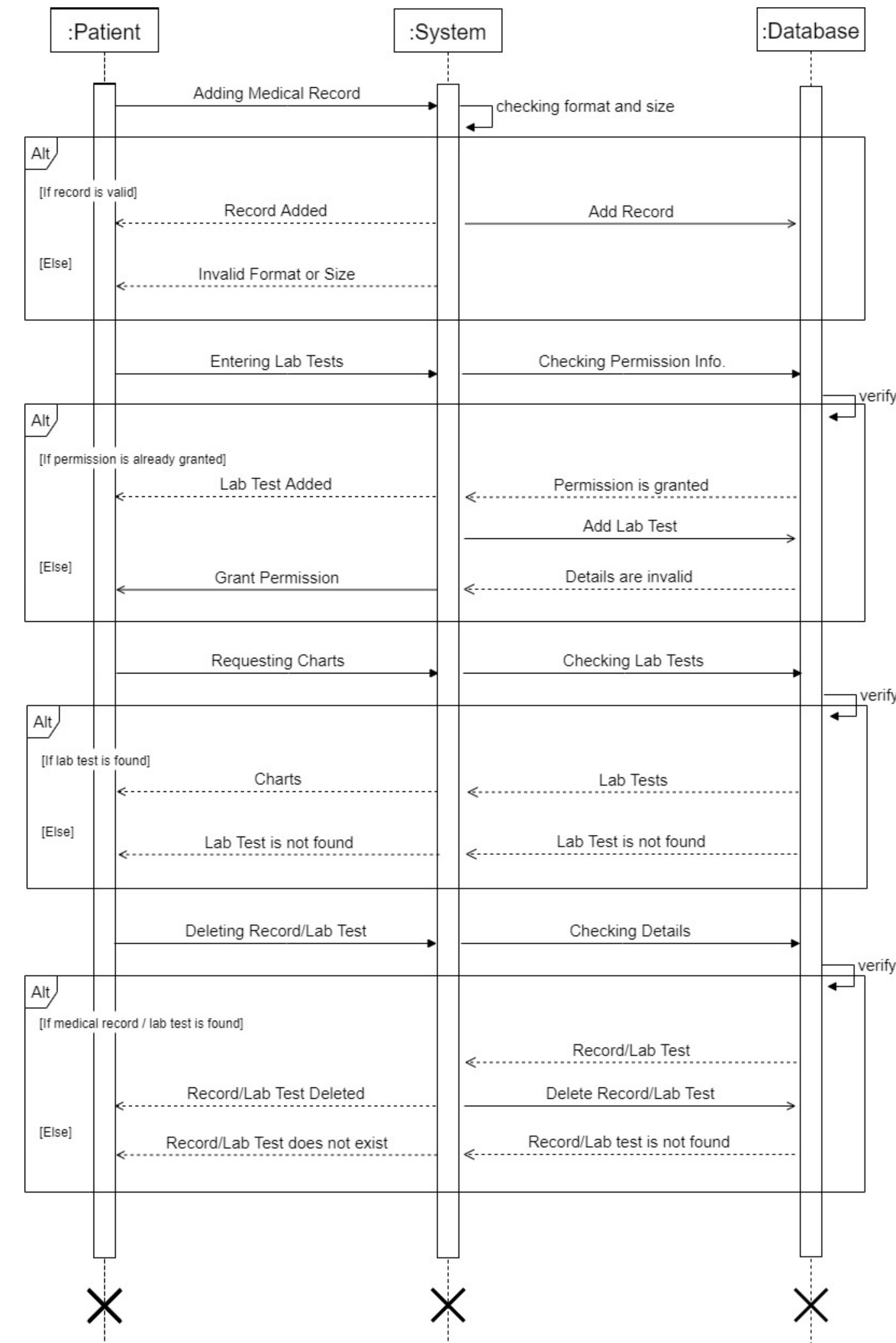
# USER SEQUENCE DIAGRAM

(USER CANCELING AND RESCHEDULING)

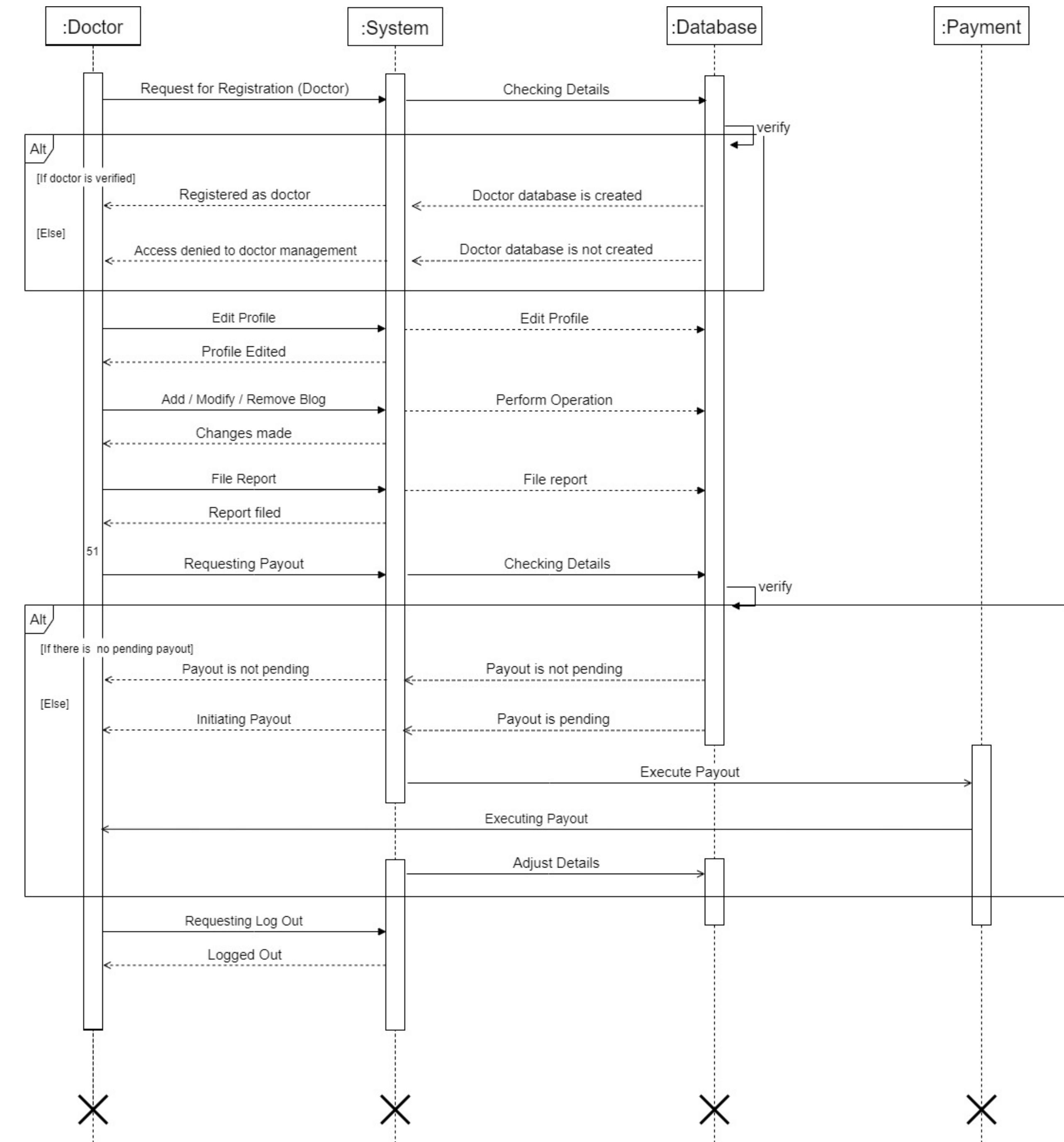


# USER SEQUENCE DIAGRAM

(Medical Records And Lab Test)

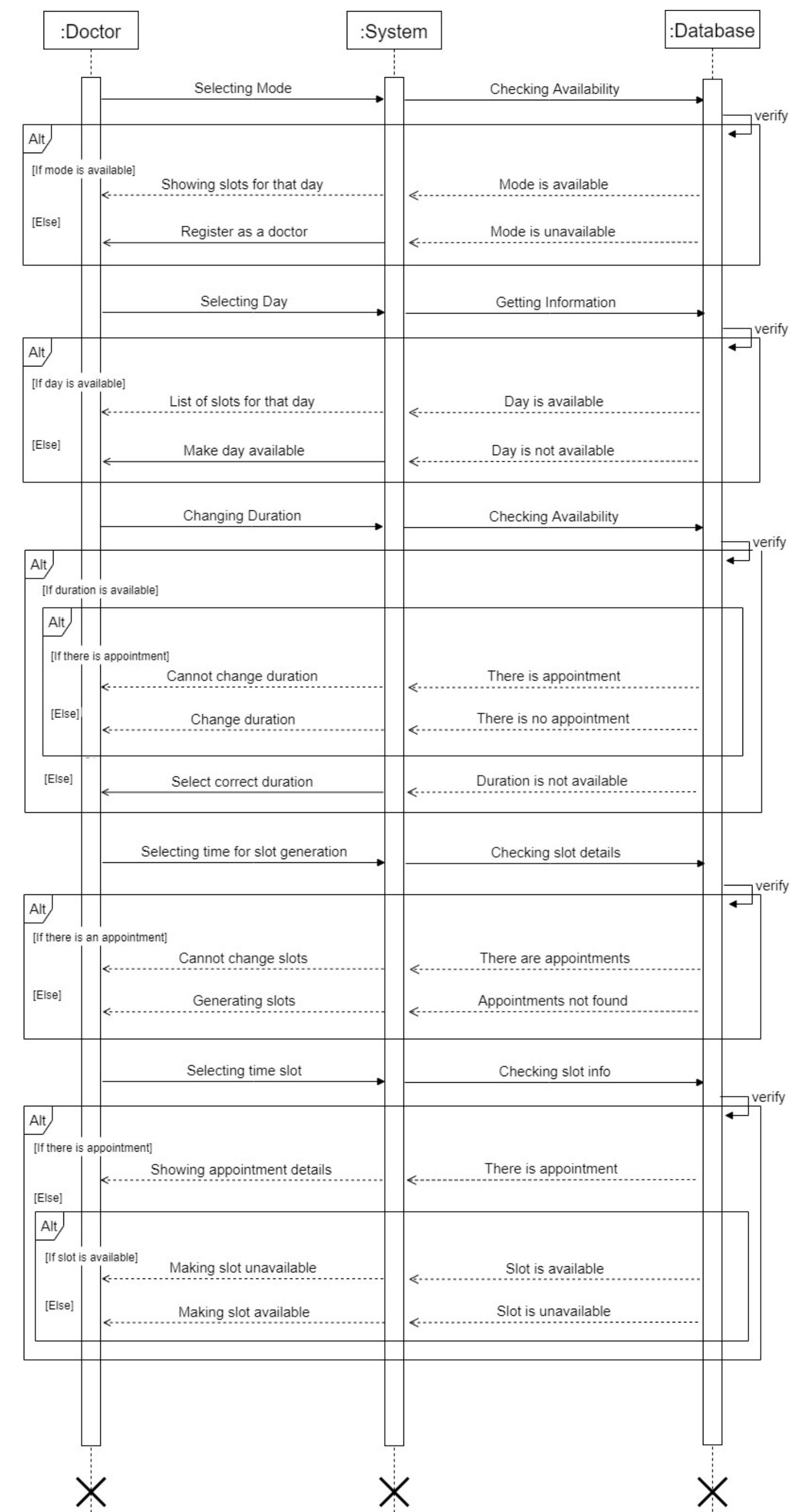


# DOCTOR SEQUENCE DIAGRAM



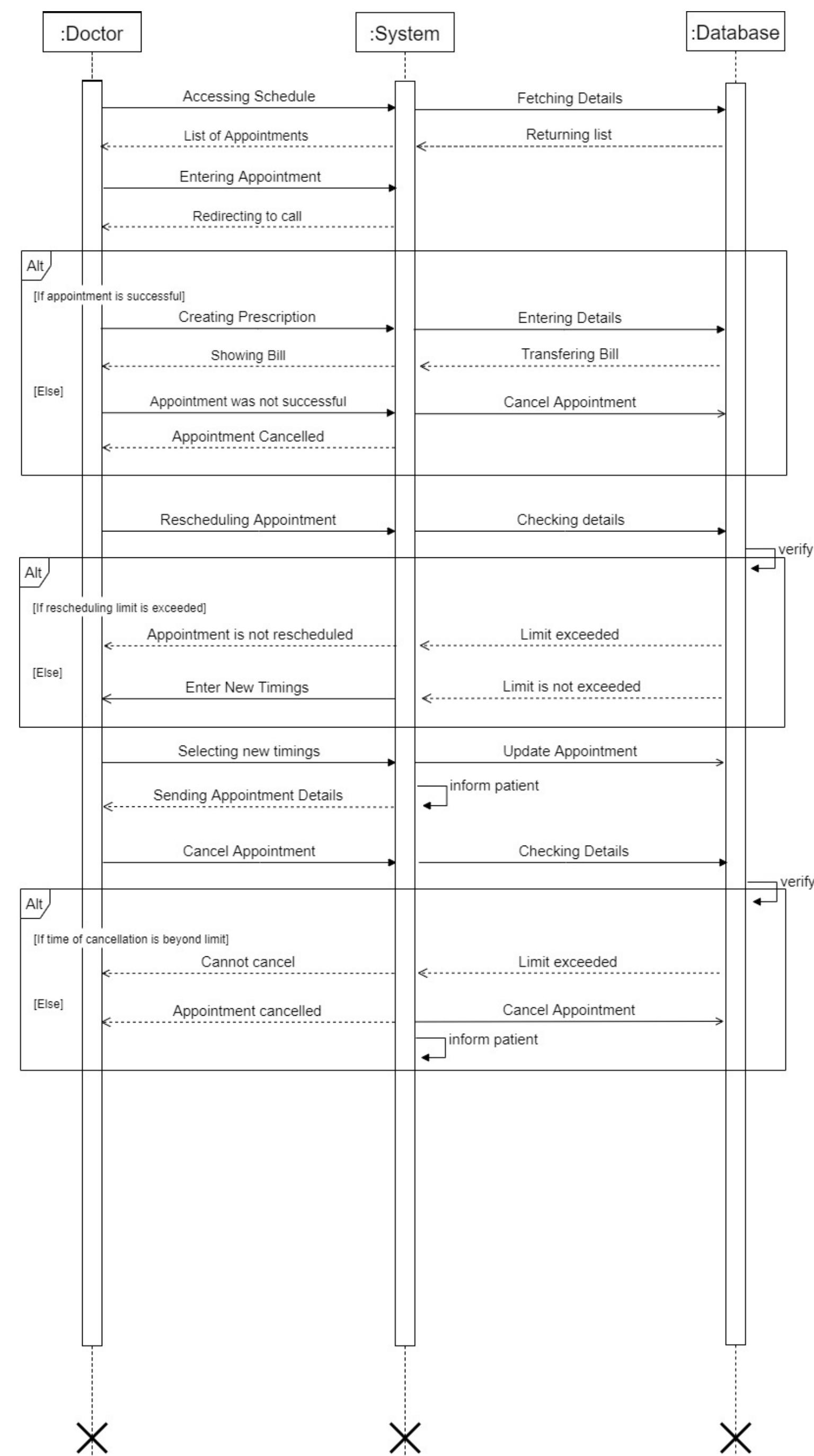
# DOCTOR SEQUENCE DIAGRAM

(DOCTOR SCHEDULE GENERATION)



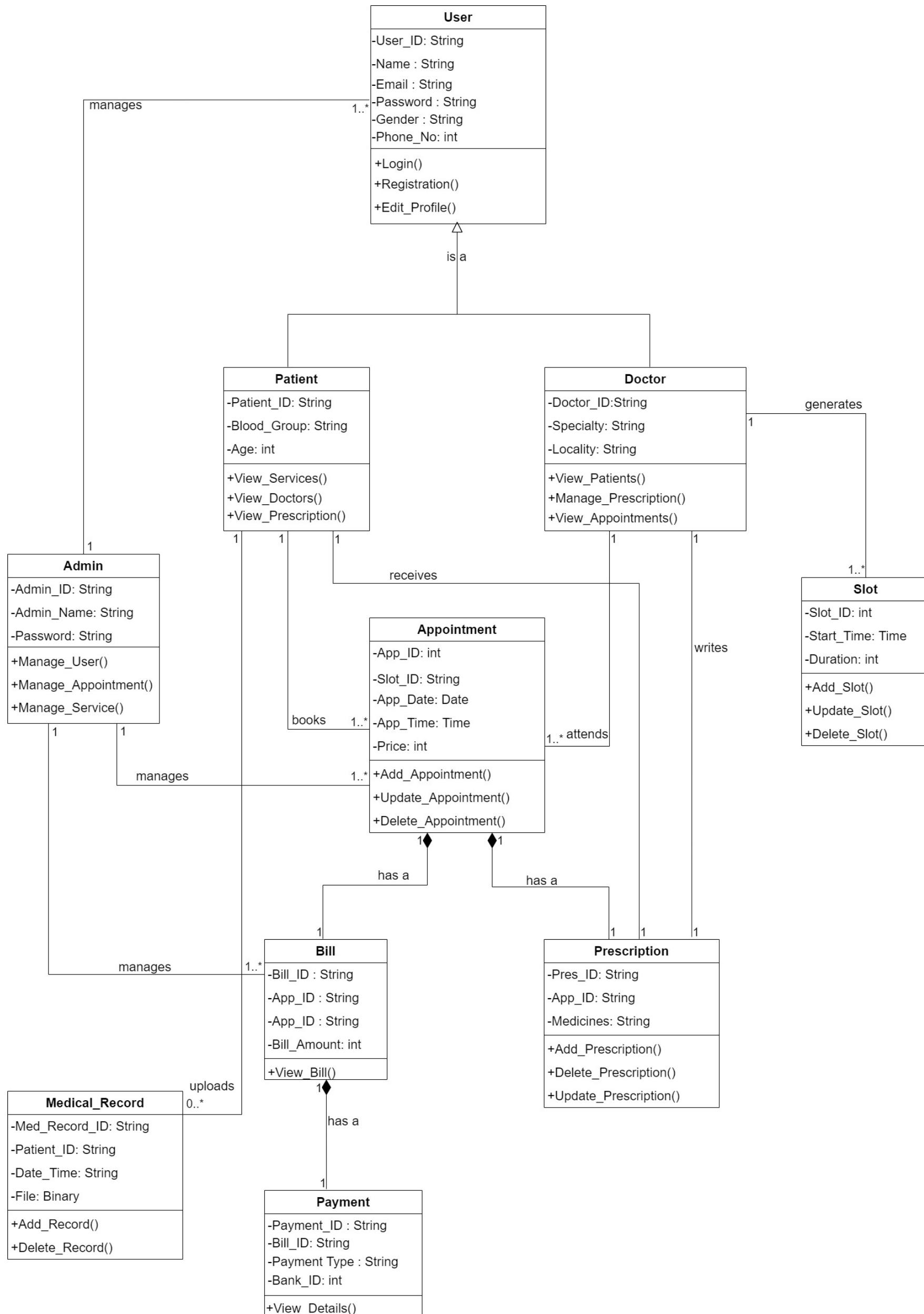
# DOCTOR SEQUENCE DIAGRAM

(DOCTOR APPOINTMENT)



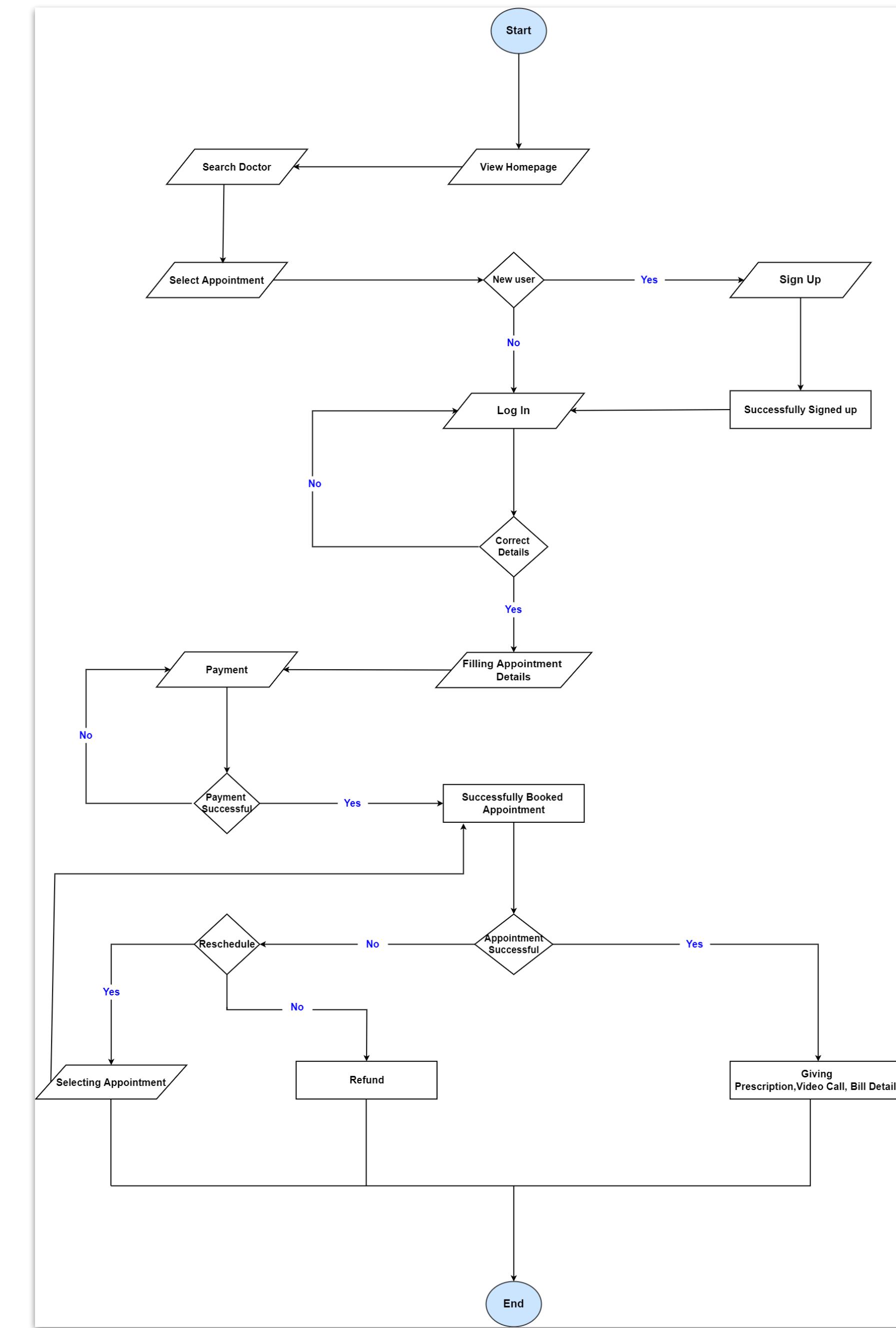
# **IV. CLASS DIAGRAM**

## CLASS DIAGRAM



# **11. SYSTEM FLOW DIAGRAM**

# USER SYSTEM FLOW DIAGRAM



# **12. DATA DICTIONARY**

## ADMIN\_TBL

Entities	Data type	Constraints	Description
ID	Varchar	Primary key	Admin ID
First_Name	Char	Not Null	Admin's first name
Last_Name	Char	Not Null	Admin's last name
Password	Varchar	Not Null	Admin password
Date_Created	Date	Not Null	Admin's date of joining

**USER\_TBL**

Entities	Data type	Constraints	Description
ID	Varchar	Primary key	User ID
First_Name	Char	Not Null	User's first name
Last_Name	Char	Not Null	User's last name
Email	Varchar	Unique key	User password
Password	Varchar	Not Null	User's date of joining
Phone_No	Number	Unique key	User's phone number
Age	Number	Not Null	User's age
Profile_Image	Binary	-	User's profile image
Gender	Char	-	User's gender
Date_of_Birth	Date	-	User's DOB

### DOCTOR\_TBL

Entities	Data type	Constraints	Description
User_ID	Varchar	Foreign key	User ID
Specialty	Char	Not Null	Speciality
Locality	Char	Not Null	Doctor Area
Doctor_ID	Varchar	Primary key	Primary key
Status	Boolean	Not Null	Verified- true,default false
Reg_Certificate	Binary	Not Null	Med council certificate
City	Char	Not Null	Doctor City
Phone	Number	Unique Key	Doctor Phone No (Alternate)
Experience	Number	Not Null	(In Years)

**PATIENT\_TBL**

Entities	Data type	Constraints	Description
ID	Varchar	Primary Key	Patient ID
User_ID	Varchar	Foreign key	User ID
Blood_Group	Varchar	Not Null	Patient Blood Group
City	Char	Not Null	Patient City Name
Pincode	Number	Not Null	Patient Pincode
Phone_No	Number	Unique Key	Patient Phone No.

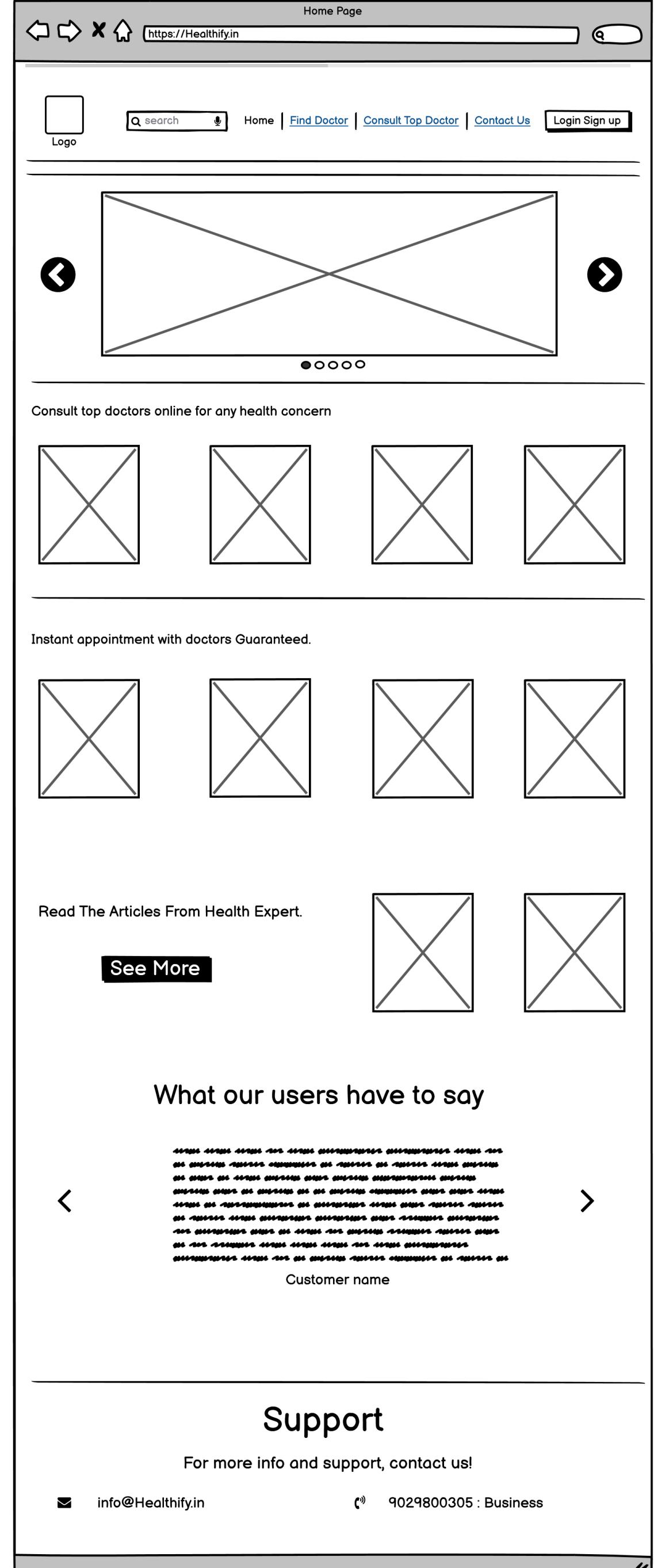
### SOMEONE\_ELSE\_TBL

Entities	Data type	Constraints	Description
Patient_ID	Varchar	Foreign Key	Patient Table PK
ID	Varchar	Primary Key	Someone Else ID
First_Name	Char	Not Null	Else First Name
Last_Name	Char	Not Null	Else Last Name
Blood_Group	Varchar	Not Null	Else Blood Group
Age	Number	Not Null	Age
Gender	Char	Not Null	Else Gender
Phone_No	Number	Unique key	Else Phone Number
Email	Varchar	Optional	Else Email

### LAST\_UPDATE\_TBL

<b>Entities</b>	<b>Data type</b>	<b>Constraints</b>	<b>Description</b>
ID	Varchar	Primary key	Last Update ID
Last_Update	Date & Time	Not Null	Date and Time of Last Update
Update_Type	Char	Not Null	Last Update Type
Last_Login	Varchar	Foriegn Key	Last login ID
Table_name	Char	Not Null	Table Name (Updated)
Column_name	Char	Not Null	Column Name (Updated)
Old_Value	VarChar	Not Null	Old Value
New_Value	VarChar	Not Null	New Value

# 13. USER INTERFACE



1. HOME PAGE

Find Doctor Page  
https://Healthify.in

Logo search Home | Find Doctor | Consult Top Doctor | Contact Us Login Sign up

search city search area

Sort By:-  
Earliest Available  
Price - Low to High  
Price - High to Low  
Years of Experience

Availability  
Available Today  
Available Tomorrow  
Available in next 7 days

Choose Gender  
Male  
Female  
Other

1000 doctors available in Ahmedabad

Doctor name  
Doctor category  
10 years experience overall  
₹500 Consultation fee at clinic Book Appointment

Doctor name  
Doctor category  
10 years experience overall  
₹500 Consultation fee at clinic Book Appointment

Doctor name  
Doctor category  
10 years experience overall  
₹500 Consultation fee at clinic Book Appointment

So on.

Previous 1 2 3 4 5 >>

Leading Healthcare Providers

Trust us for Business

-->> Get seen by 25M+ patients on Healthify.co

-->> The most advanced software for doctor

See more

09:52 AM Healthify.com

Support

For more info and support, contact us!

✉ info@Healthify.in

📞 9029800305 : Business

## 2. FIND DOCTOR

Video Consult Page  
<https://Healthify.in>

Logo

search | Home | Find Doctor | Consult Top Doctor | Contact Us | Login Sign up

Take Online Doctor Consultation  
Private consultation - Starts at just ₹199  
Consult now

25+ Specialties  
> Consult with top doctors across specialities

Consult now

Common Health Concerns  
> Consult a doctor online for any health issue  
See All Symptoms

Consult now

Our Doctors

Doctor name 1000 Consult done ★★★★★  
Doctor name 1000 Consult done ★★★★★  
Doctor name 1000 Consult done ★★★★★  
Doctor name 1000 Consult done ★★★★★

How it works

1 Step 1      2 Step 2      3 Step 3

Benefits of Online Consultation

- ✓ Consult Top Doctors 24x7
- ✓ Convenient and Easy
- ✓ 100% Safe Consultations
- ✓ Similar Clinic Experience
- ✓ Free Follow-up

What our users say about their online consultation experience

Patient name

Patient name

Patient name

Support

For more info and support, contact us!

✉ info@Healthify.in

📞 9029800305 : Business

Admin-->Leave page

https://Healthify.in

Logo

search anything

Doctor Login

Main ▾ :

Calendar >

Appointment ▾

-View Appointment

-Edit Appointment

Patient

Prescription

Feedback

Activities

Calender

Add Appointment

search Patient

< Aug 2021 >

Today Day Week Month

Mon Tue Wed Thu Fri Sat Sun

01 02 03 04 ✗ 05 06 07

08 09 ✗ 10 11 12 13 14

15 16 17 18 19 ✗ 20 21

22 ✗ 23 24 Abhijeet Bhatt  
Yasin pathan 25 26 27 Sahil Gada 28

29 30 31

Get started by clicking anywhere on the calendar to add your first appointment  
Ok,GOT IT.

Today Schedule < >

All Offline Online

Today Today Offline Online

2 2 2 2

9:47 AM Abhijeet Bhatt  
Follow-up visit  
Dr.Tirth Gojjar

11:00AM Yasin pathan  
Cancel reason not specified  
Dr.Tirth Gojjar

The screenshot shows a web-based calendar application for a doctor. On the left is a sidebar with navigation links: Main, Calendar, Appointment (selected), -View Appointment, -Edit Appointment, Patient, Prescription, Feedback, and Activities. The main area is titled 'Calender' and shows a monthly calendar for August 2021. A red tooltip in the center of the calendar instructs users to click to add an appointment. The calendar grid includes dates from 01 to 31, with specific events marked: 'Abhijeet Bhatt' on 24th, 'Yasin pathan' on 24th, and 'Sahil Gada' on 27th. To the right of the calendar is a 'Today Schedule' panel for August 24th, showing three scheduled appointments: 'Abhijeet Bhatt' at 9:47 AM (Follow-up visit, Dr.Tirth Gojjar), 'Yasin pathan' at 11:00AM (Cancel reason not specified, Dr.Tirth Gojjar), and another entry for 'Yasin pathan' at 11:00AM. The interface includes a search bar at the top, a navigation bar with icons for search, notifications, and doctor login, and a bottom footer.

Admin-->Leave page

https://Healthify.in

Logo

search anything

Doctor Login

Main ▾ :

- Calendar
- Appointment ▾
  - View Appointment
  - Edit Appointment
- Patient
- Prescription
- Feedback
- Activities

## My Appointment

search Patient

Edit Appointment

**Customer name**

⌚ 7:00AM to 8:00AM

📅 16 Dec,2021

**Customer name**

⌚ 11:00AM to 12:00PM

📅 16 Dec,2021

**Customer name**

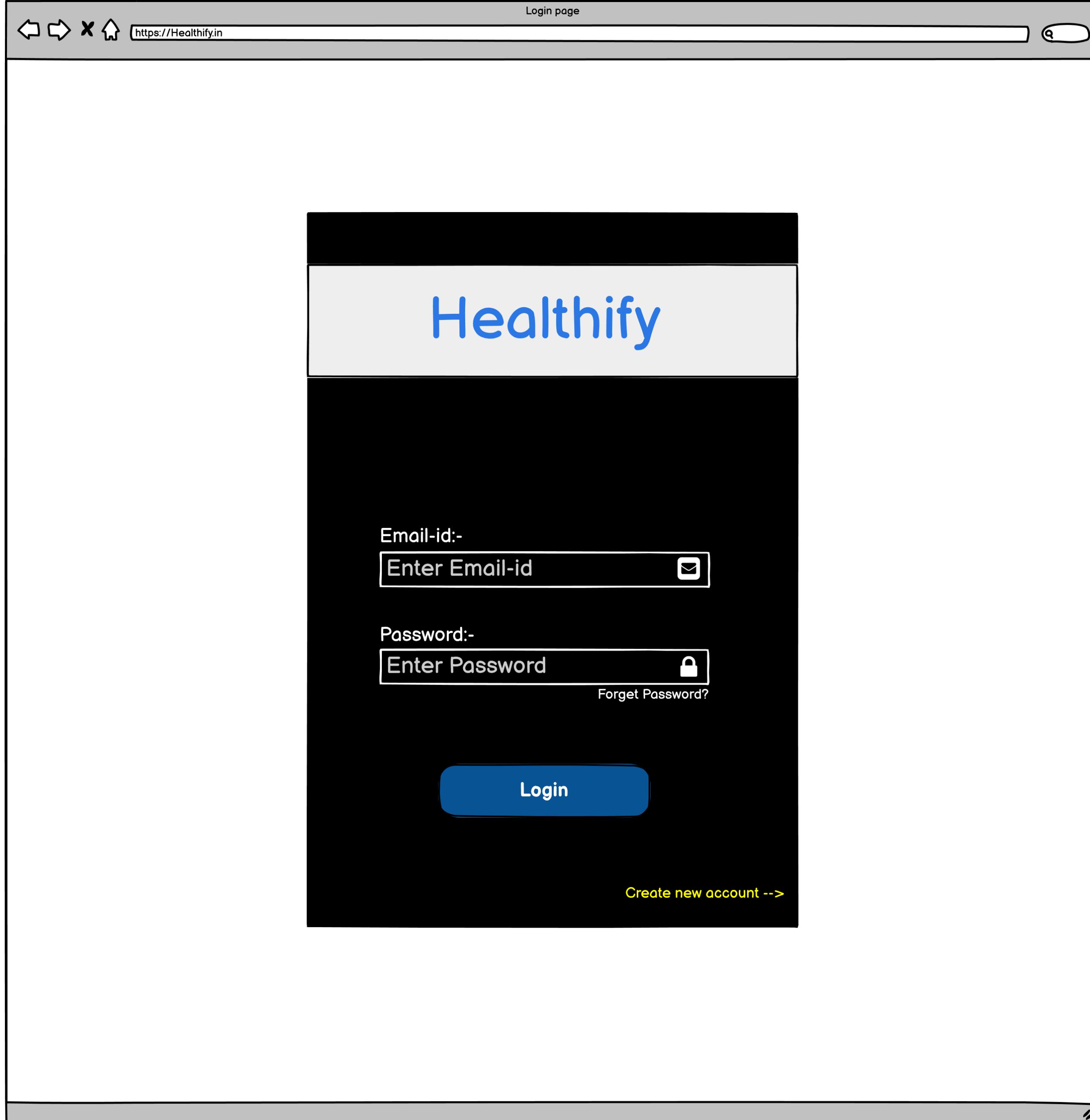
⌚ 9:00AM to 10:00AM

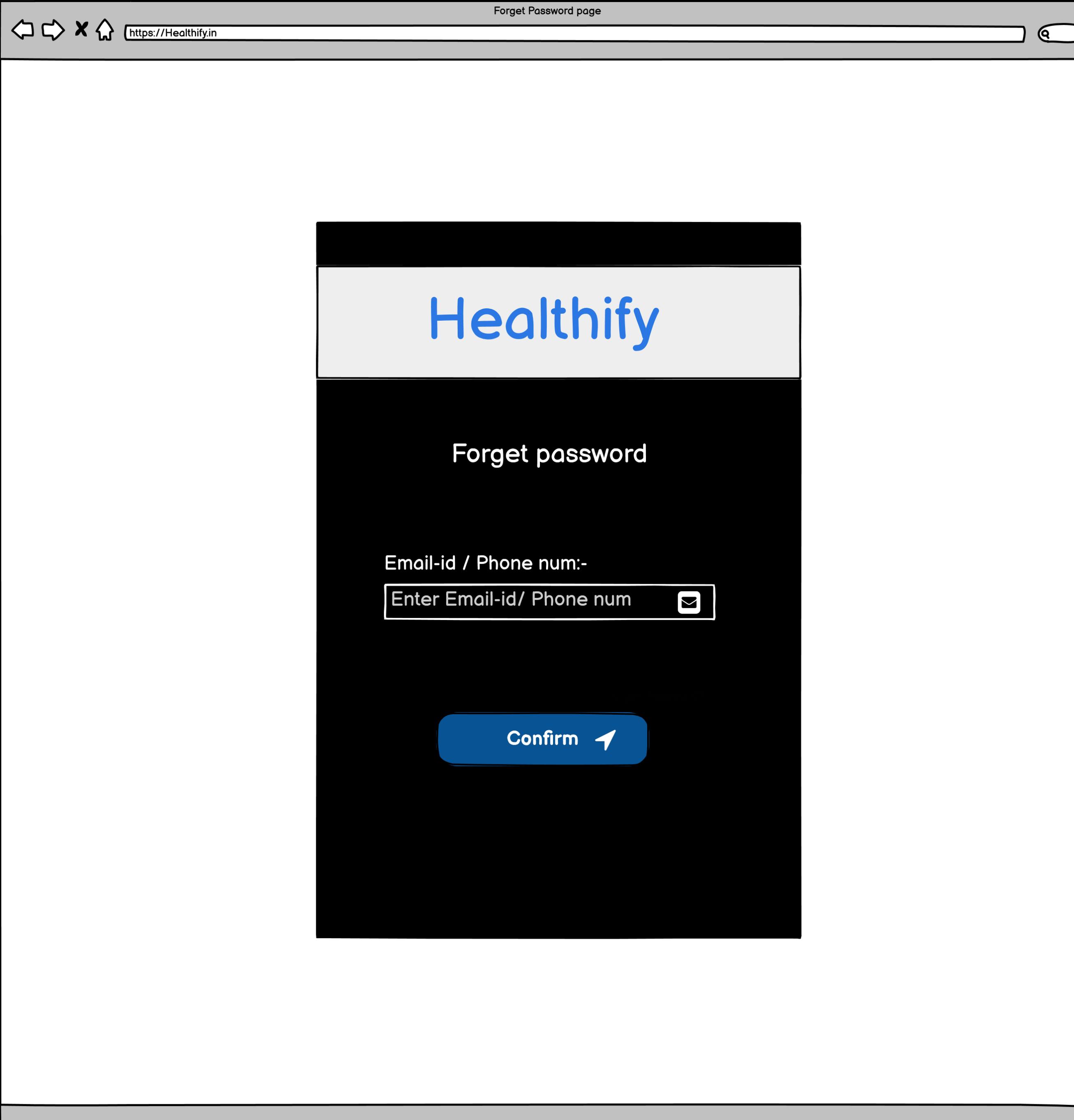
📅 16 Dec,2021

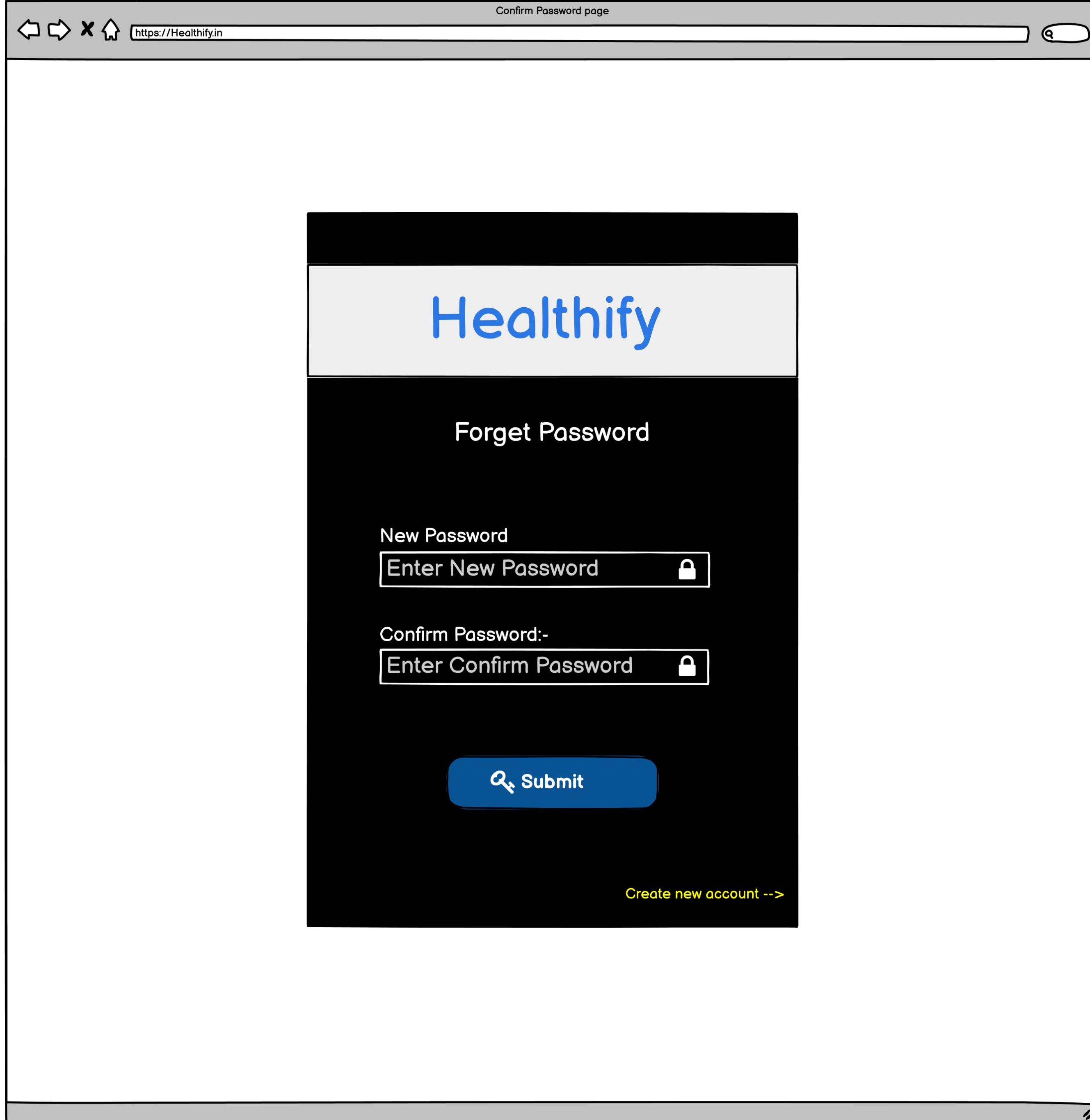
**Customer name**

⌚ 4:00PM to 5:00AM

📅 16 Dec,2021







Registration for doctor page

https://Healthify.in

# Healthify

New Registration For Doctor

Add photo

First name  
Enter First name

Date Of birth  
Enter Date Of birth

Last name  
Enter Last name

Password  
Enter Password

Email - Id  
Enter Email-Id

Confirm Password  
Enter Confirm Password

Phone number  
Enter Phone

Address  
Enter address

Qualifications  
Enter Qualifications

Specialist in  
Enter Specialist in

Male  Female

Year of Experience  
Enter Year of Experience

Submit

Registration for patient page  
https://Healthify.in

# Healthify

Patient Doctor

## New Registration For Patient

Add photo

First name  
Enter First name

Last name  
Enter Last name

Password  
Enter Password

Confirm Password  
Enter Confirm Password

Male  Female

Phone number  
Enter Phone number

Date Of birth  
Enter Date Of Birth

Email - Id  
Enter Email-id

Address  
Enter address

Submit

Admin-->Dashboard page  
https://Healthify.in

Logo

search anything Admin

Main Dashboard >

Doctor -Doctor list -Attendance -Leaves -Holidays Patient Appointments Doctor Schedule Prescription Accounts -Payment Reports -Feedback Activities

Total Doctor 200 Total Patient 1000 Attend 72 Pending 42

**Total Patients**

15^ Higher Than Last Month

Month	Patients
Jan	100
Feb	110
Mar	120
Apr	130
May	140
Jun	150
Jul	160
Aug	150
Sep	140

**Patients In**

Month	Patients
Jan	10
Feb	15
Mar	20
Apr	25
May	30
Jun	35
Jul	40
Aug	45
Sep	40

**Upcoming Appointments**

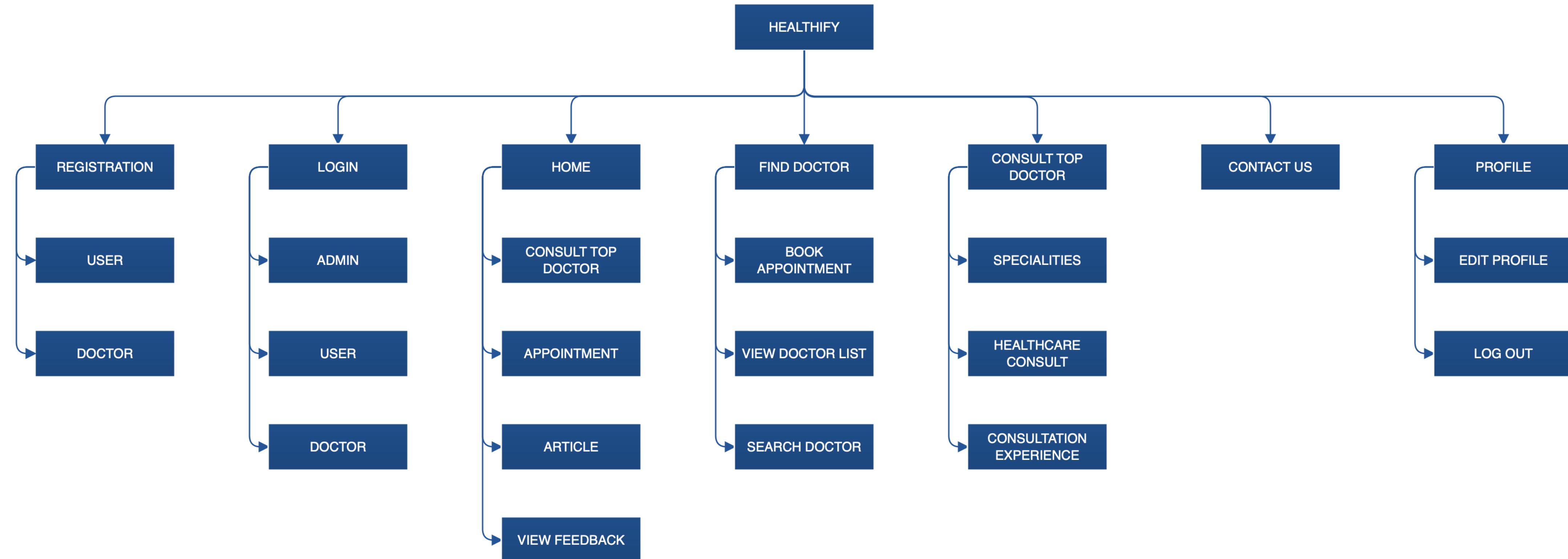
Patient name	Patient Id	Phone_no	Condition
Patient 1	PID1	1234567890	Fever
Patient 2	PID2	1234567890	Eyes
Patient 3	PID3	1234567890	Fever
Patient 4	PID4	1234567890	Dermatology

**Doctor Rating**

Doctor name	Rating
Dr. A	5/5
Dr. B	4.5/5
Dr. C	2/5

# **14. SYSTEM NAVIGATION DIAGRAM**

## SYSTEM NAVIGATION



# **15. LIMITATIONS**

- Doctors have to verify their authenticity through offline mode
- Patients can pay only through UPI
- Doctors cannot take more than time provided in an appointment time.
- Patients can cancel and reschedule before an hour.
- In Diagnostic Reports only CBC and Blood Sugar reports can be added.
- Doctors can cancel appointment before a day.

# **16. BIBLIOGRAPHY**

**Software Engineering A Practitioner's Approach By Roger S. Pressmen**

**Geeks For Geeks**

**Stack Overflow**

**Lucid Charts**

**Draw.io**

# THANK YOU

STAY SAFE , HAPPY ,HEALTHY