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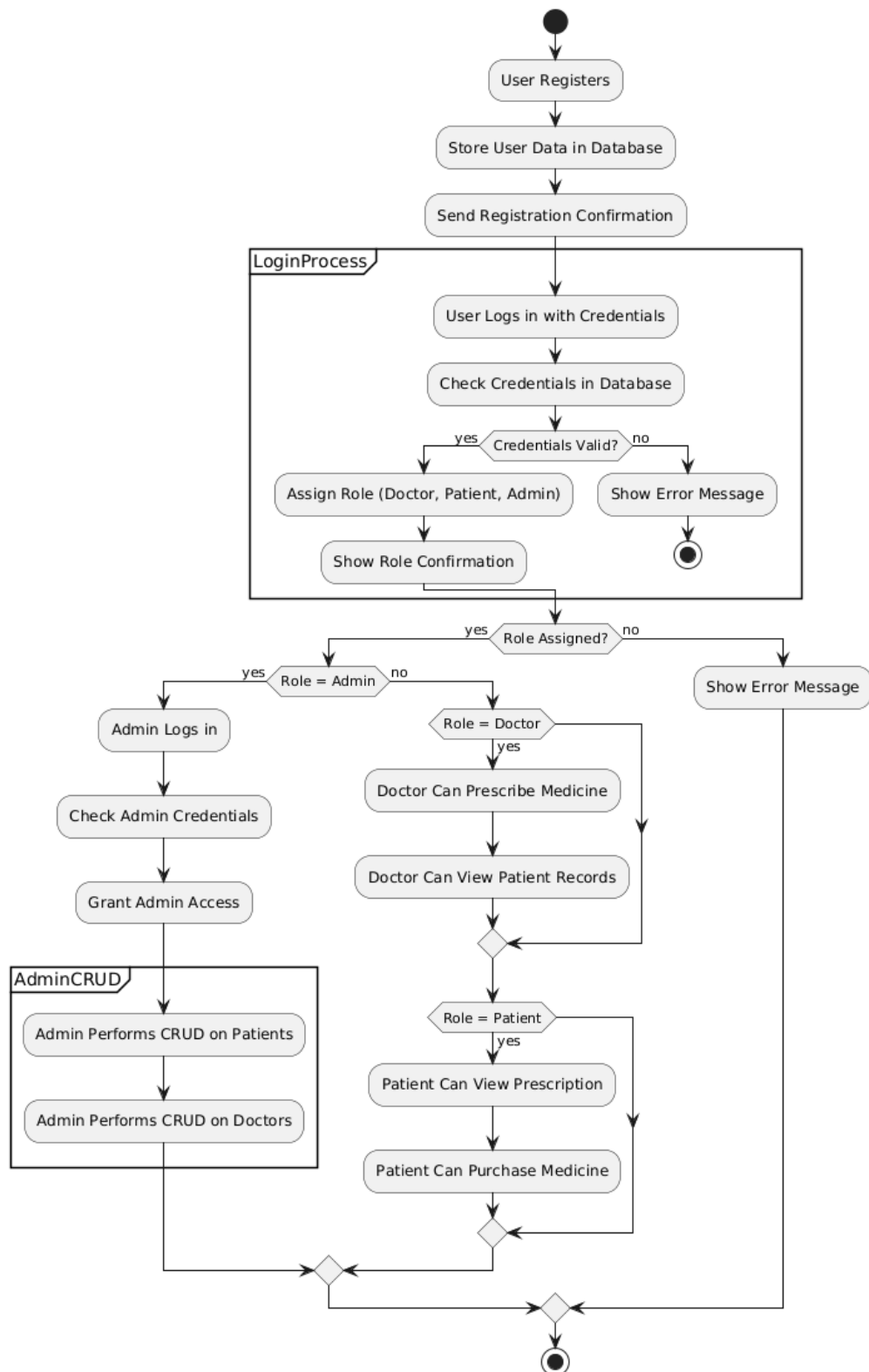
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1. User Management

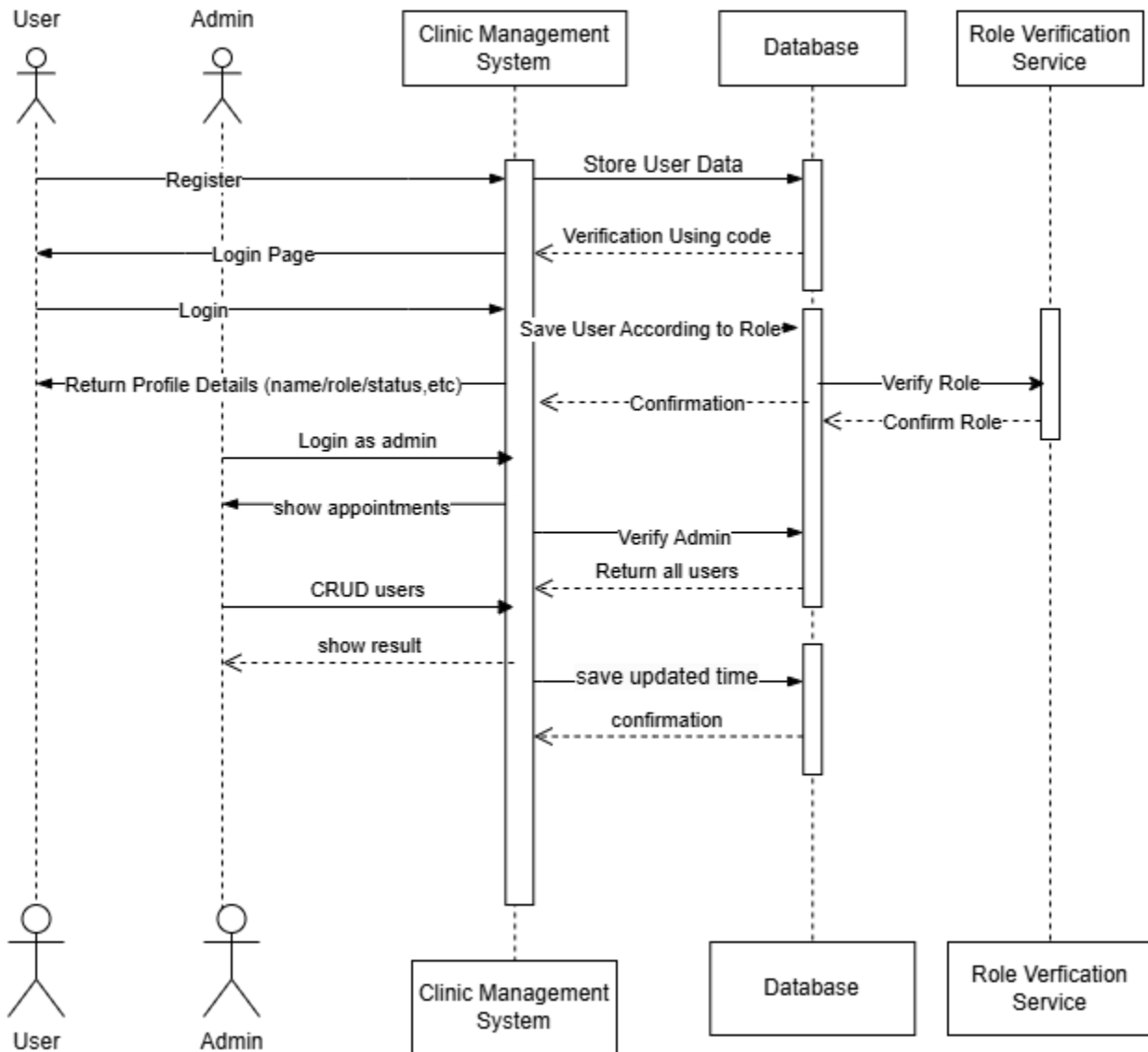
1.1. SRS

Requirements	Type
Users can register with a unique username, email, and password	Functional Requirement
Users can log in and log out securely.	Functional Requirement
Users can update their profile information (e.g., name, contact details).	Functional Requirement
Admins can create, read, update, and delete user accounts.	Functional Requirement
System should support different authentication methods (e.g., OAuth, social login)	Functional Requirement
User data must be encrypted both in transit and at rest	Non-Functional Requirement
- User interface should be user-friendly and accessible.	Non-Functional Requirement

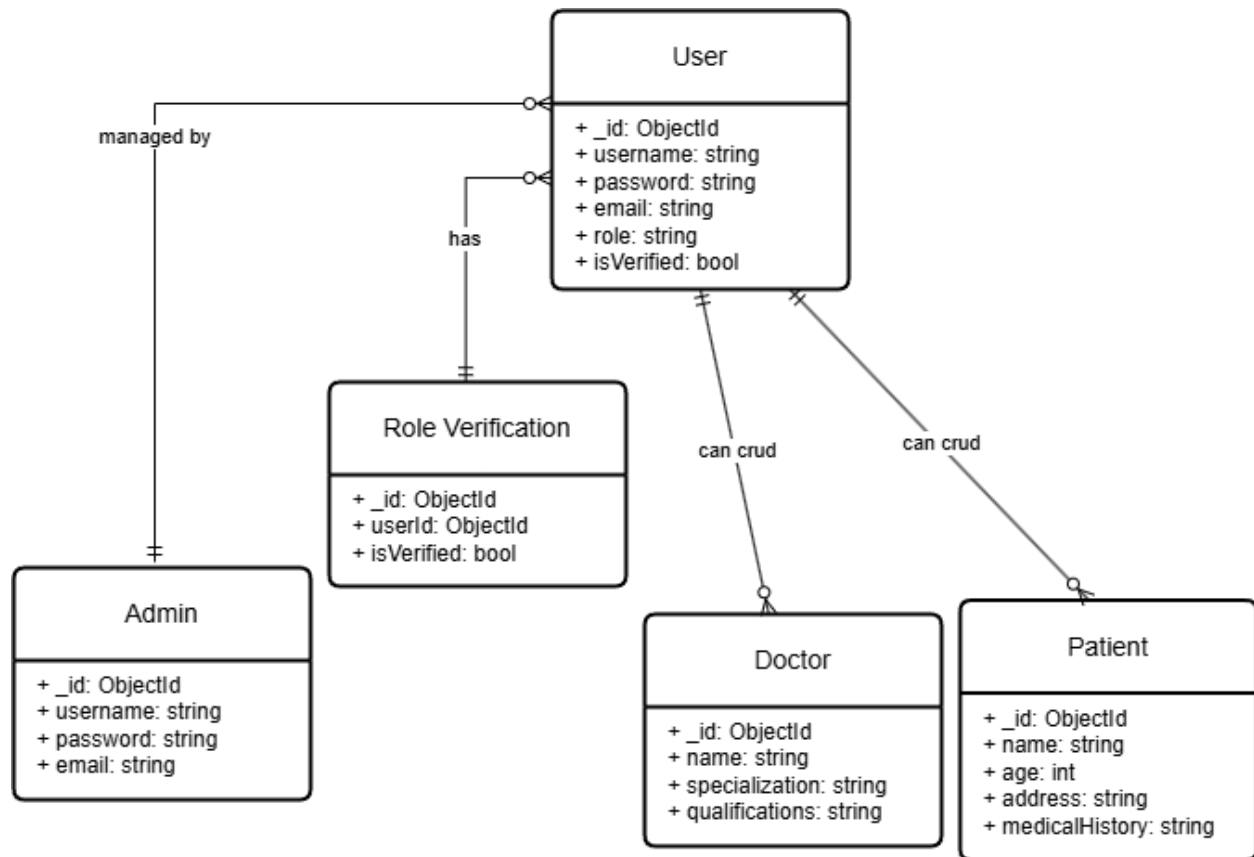
1.2. Activity Diagram



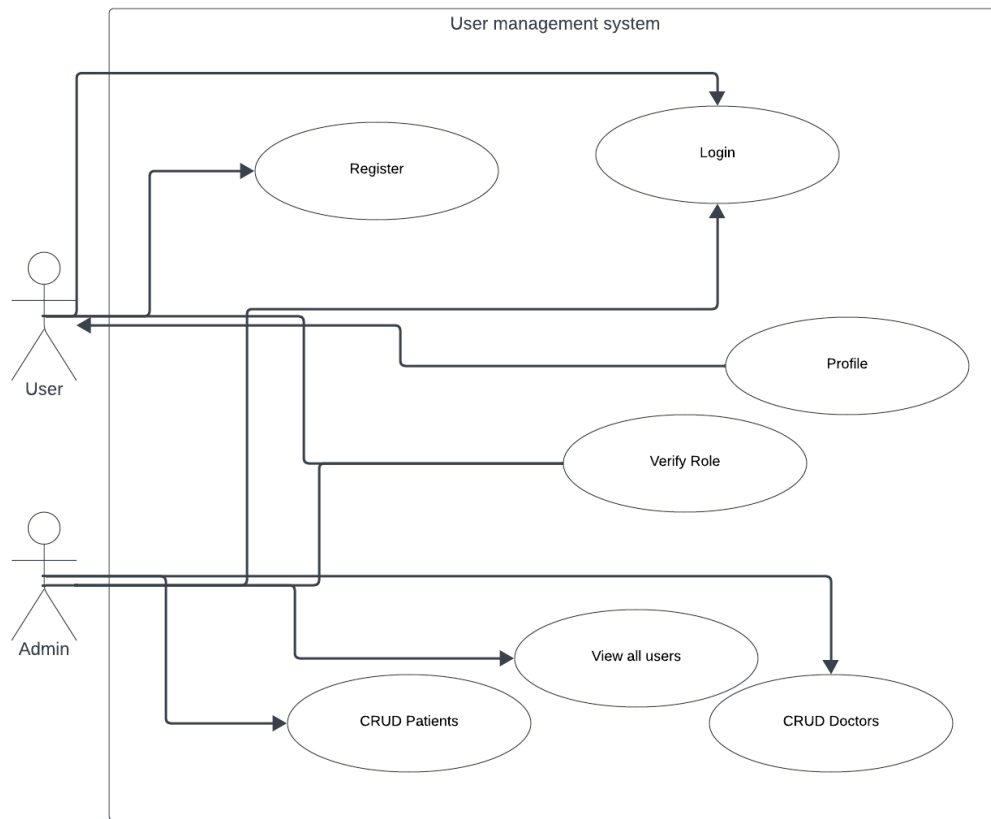
1.3. Sequence Diagram



1.4. Entity Relationship Diagram



1.5. Use case Diagram



1.6. Wireframes

A Web Page

https://

Q

Login

Email

Passowrd

Role

Login

This wireframe shows a login form centered on a web page. The form is enclosed in a rectangular box with a title 'Login' at the top left. Inside the box, there are three input fields: 'Email', 'Passowrd' (note the typo), and 'Role' (a dropdown menu). Below these fields is a 'Login' button. The web page header includes a title 'A Web Page', a back button, a forward button, a close button, a home button, and a search bar with 'https://' and a magnifying glass icon. The page is divided into four columns by vertical lines, with small upward-pointing triangles at the bottom of each column.

A Web Page

https://

Q

Register

Email

Name

userName

Role

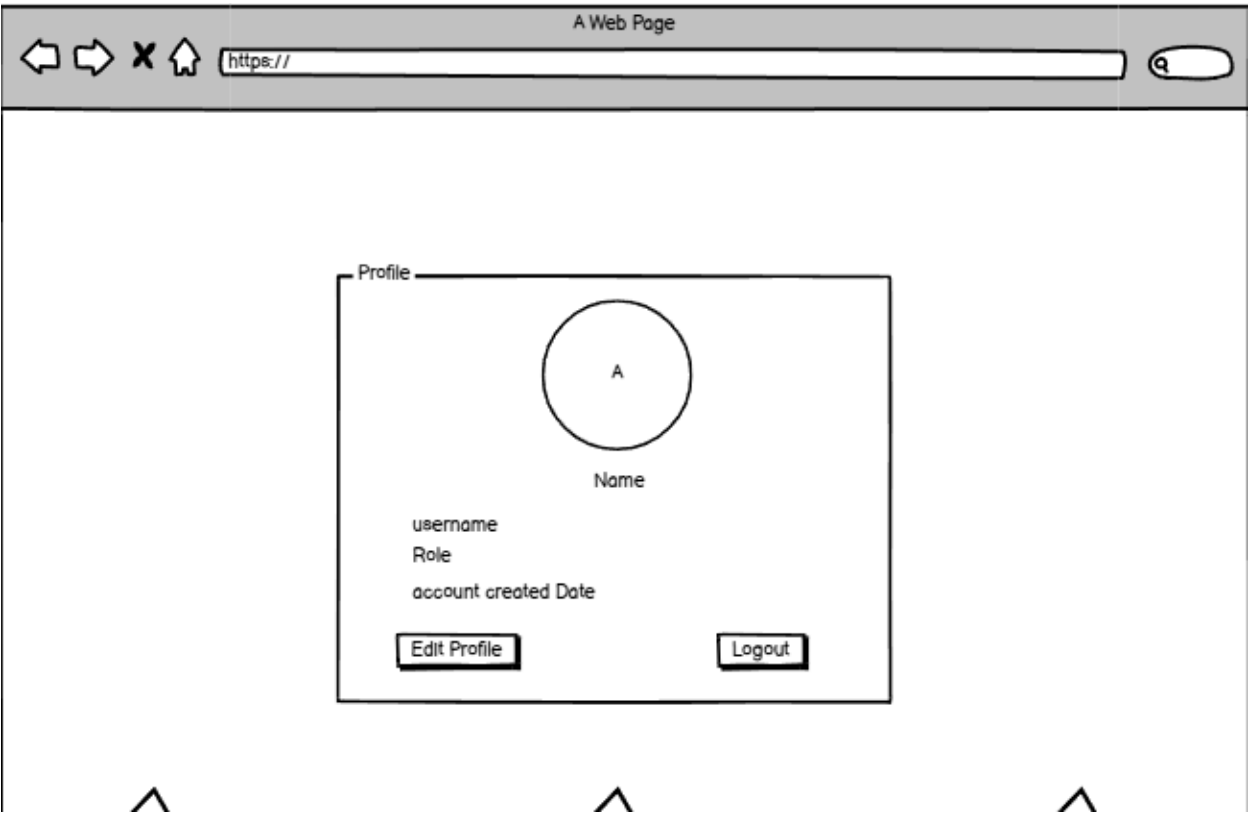
Password

Confirm Passowrd

☐ Agree to Terms and Conditions

Register

This wireframe shows a register form centered on a web page. The form is enclosed in a rectangular box with a title 'Register' at the top left. The form is divided into two columns by a vertical line. The left column contains four input fields: 'Email', 'Name', 'userName', and 'Role' (a dropdown menu). The right column contains two input fields: 'Password' and 'Confirm Passowrd' (note the typo). Below these fields is a checkbox labeled 'Agree to Terms and Conditions' and a 'Register' button. The web page header is identical to the one above, showing 'A Web Page', navigation buttons, and a search bar. The page is divided into four columns by vertical lines, with small upward-pointing triangles at the bottom of each column.

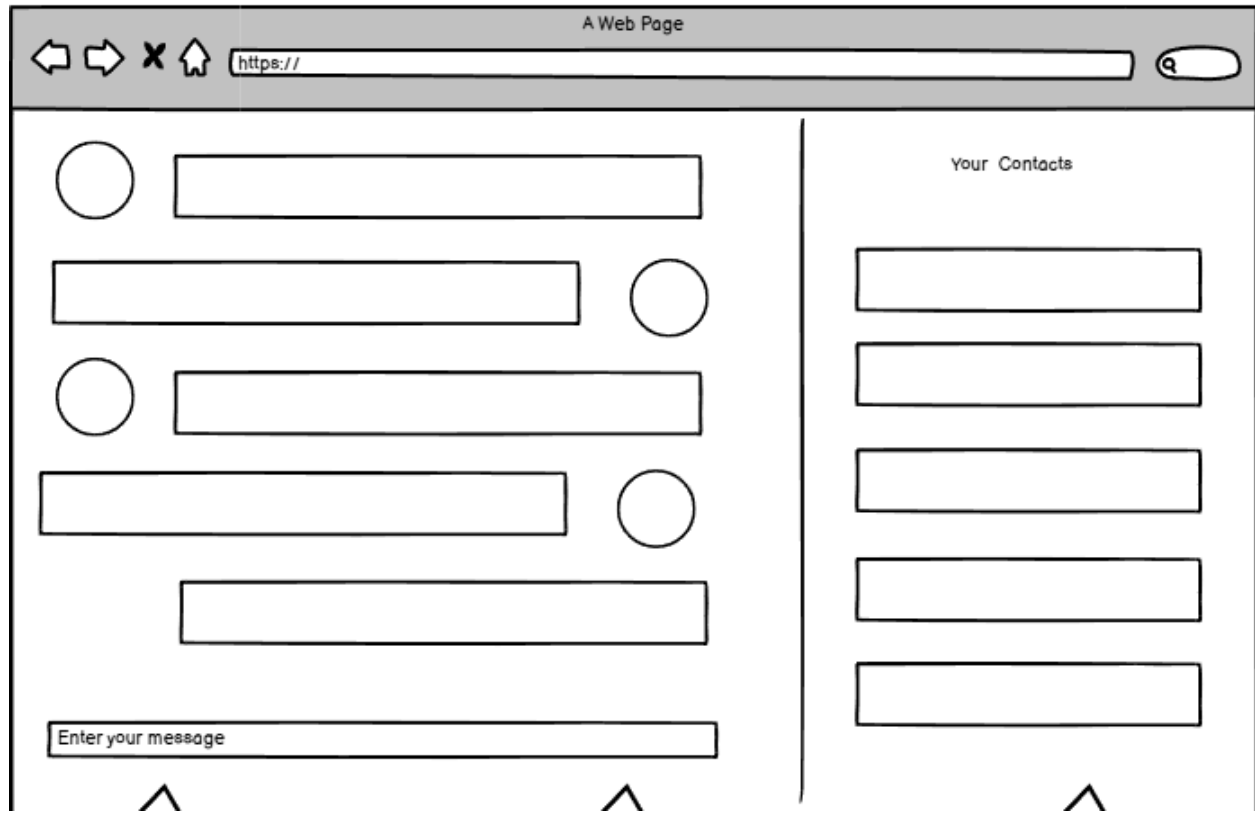


Admin Panel

Create User

Users

Doctors

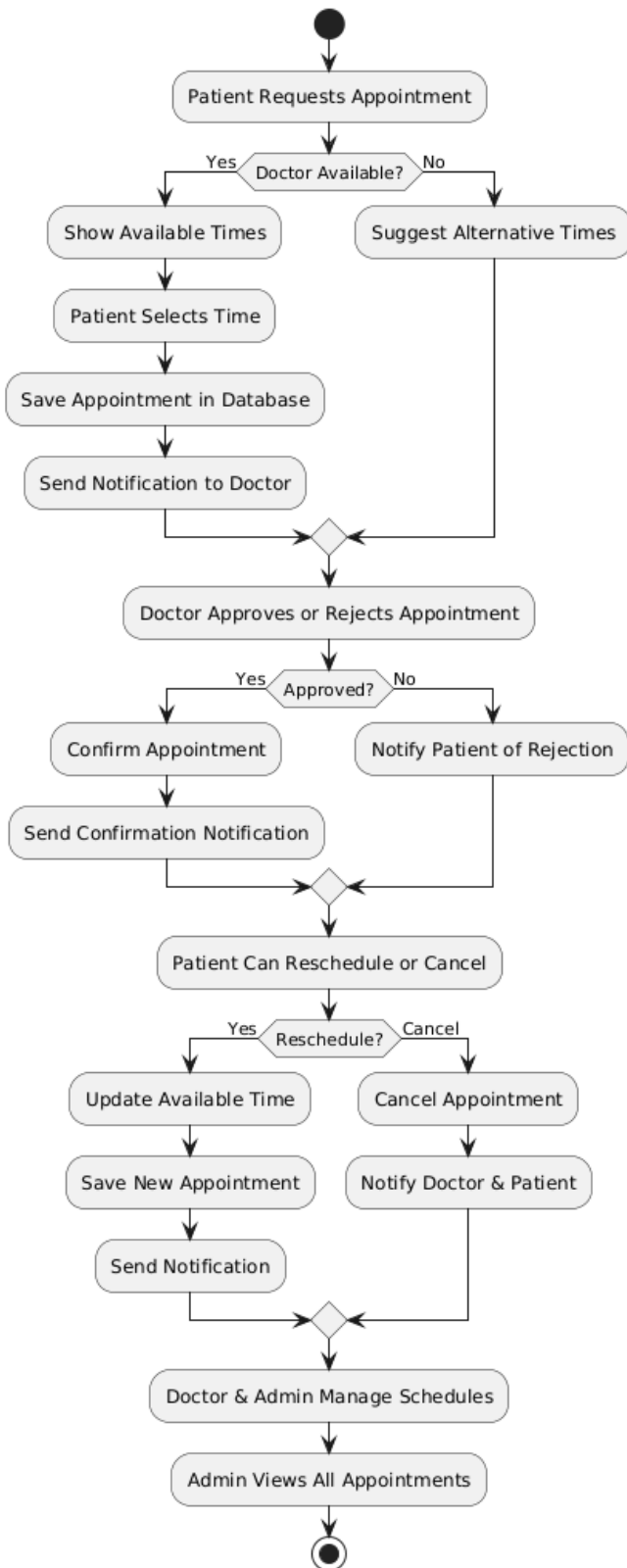


2. Appointment Management

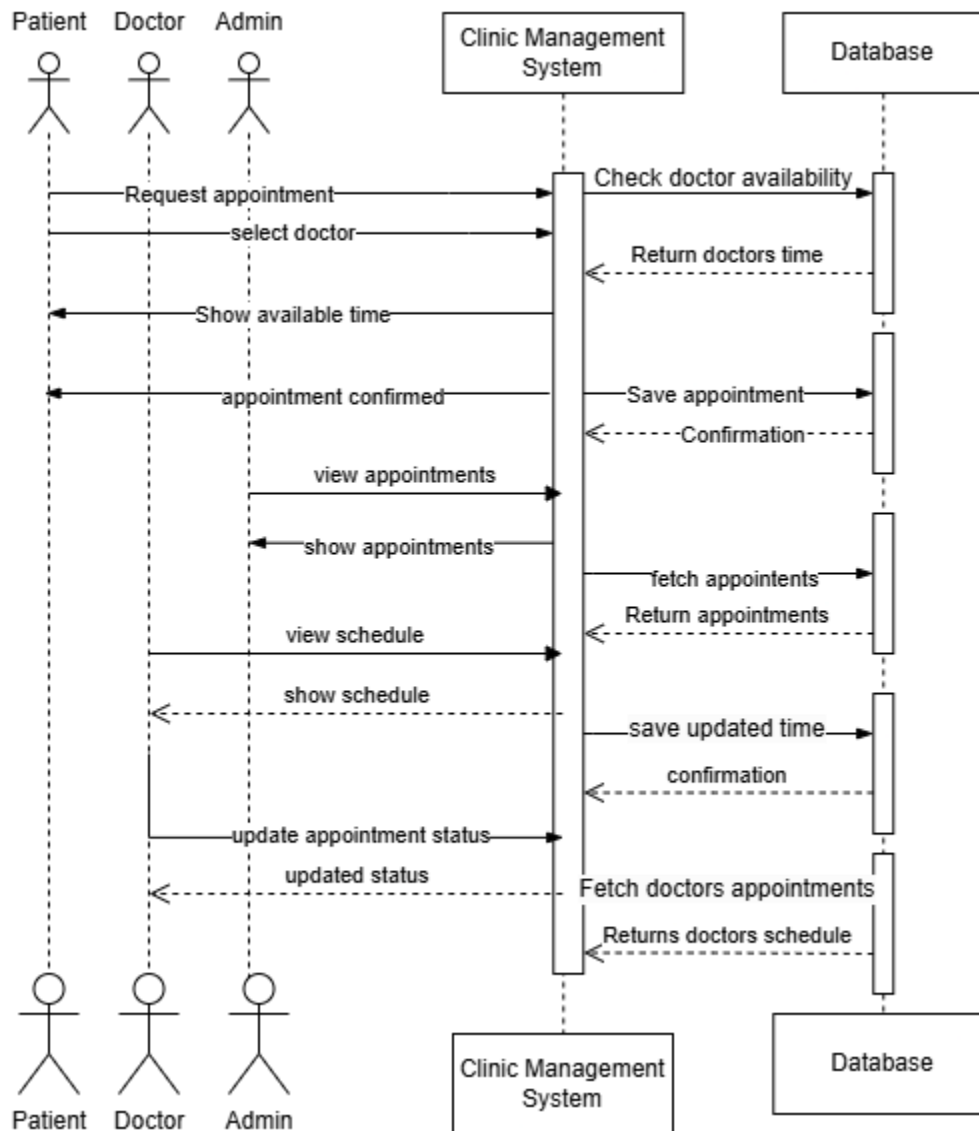
2.1. SRS

Requirements	Type
Patients can book, reschedule, and cancel appointments	Functional Requirement
Doctors can manage their availability and appointments.	Functional Requirement
Admins can oversee and resolve scheduling conflicts.	Functional Requirement
Email for upcoming appointments.	Functional Requirement
Must provide real-time appointment updates.	Non-Functional Requirement
Must be accessible across devices (mobile & desktop)	Non-Functional Requirement

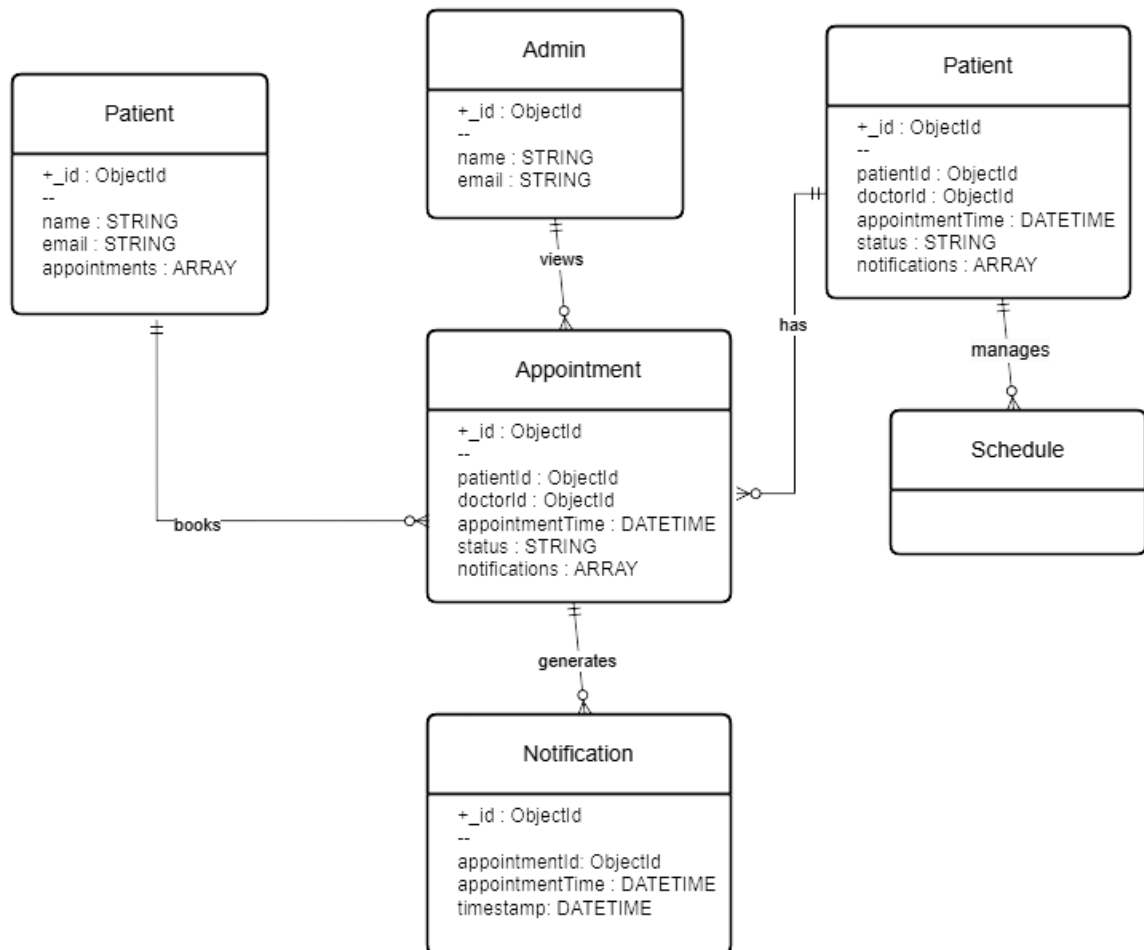
2.2. Activity Diagram



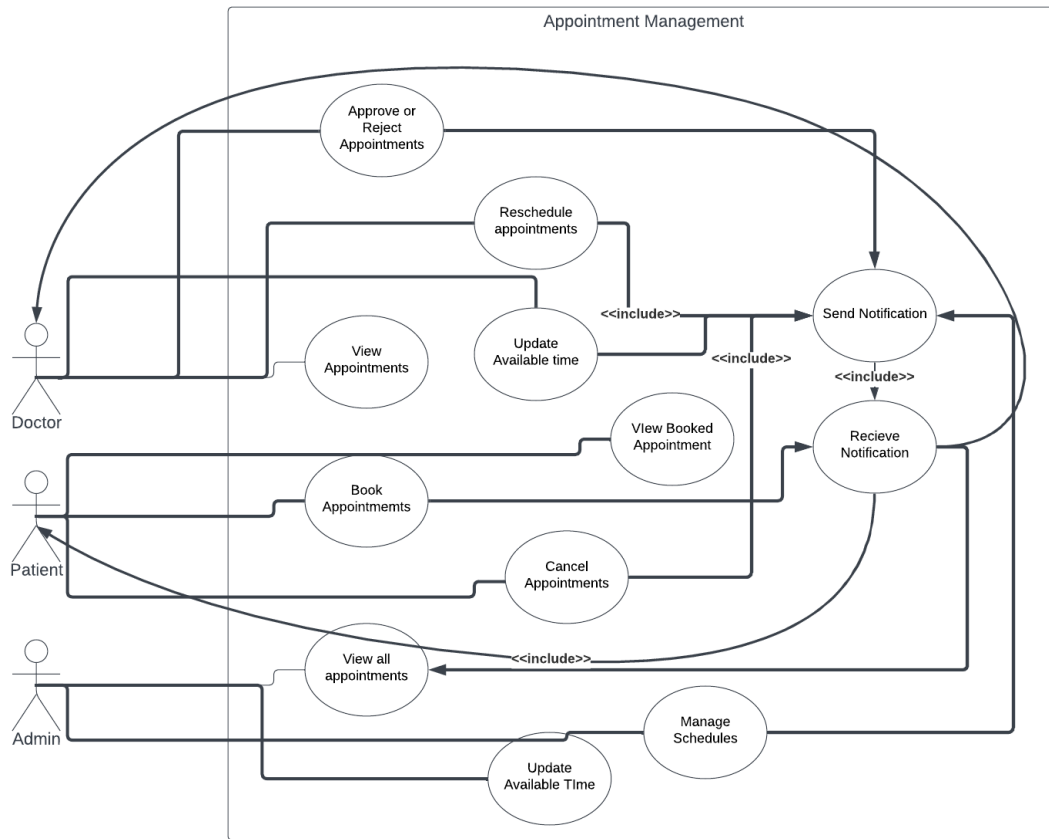
2.3. Sequence Diagram



2.4. Entity Relationship Diagram



2.5. Use Case Diagram



2.6. Wireframe

A Web Page

https://

Your Appointments

Search Patient By Names

Patient Name

Scheduled Time

ReSchedule

Cancel

Patient Name

Scheduled Time

ReSchedule

Cancel

A Web Page

https://

Book an appointment

Our Doctors

Doctor name

Specialization

Description

Duty time

Doctor name

Specialization

Description

Duty time

Doctor name

Specialization

Description

Duty time

A Web Page

https://

Available times with Doctor Name

Time

Time

Time

Time

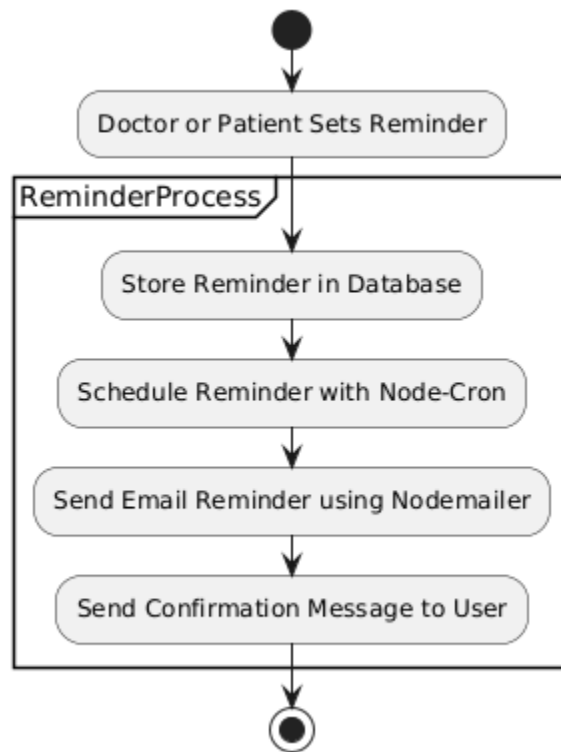
Select Time

3. Email Reminders

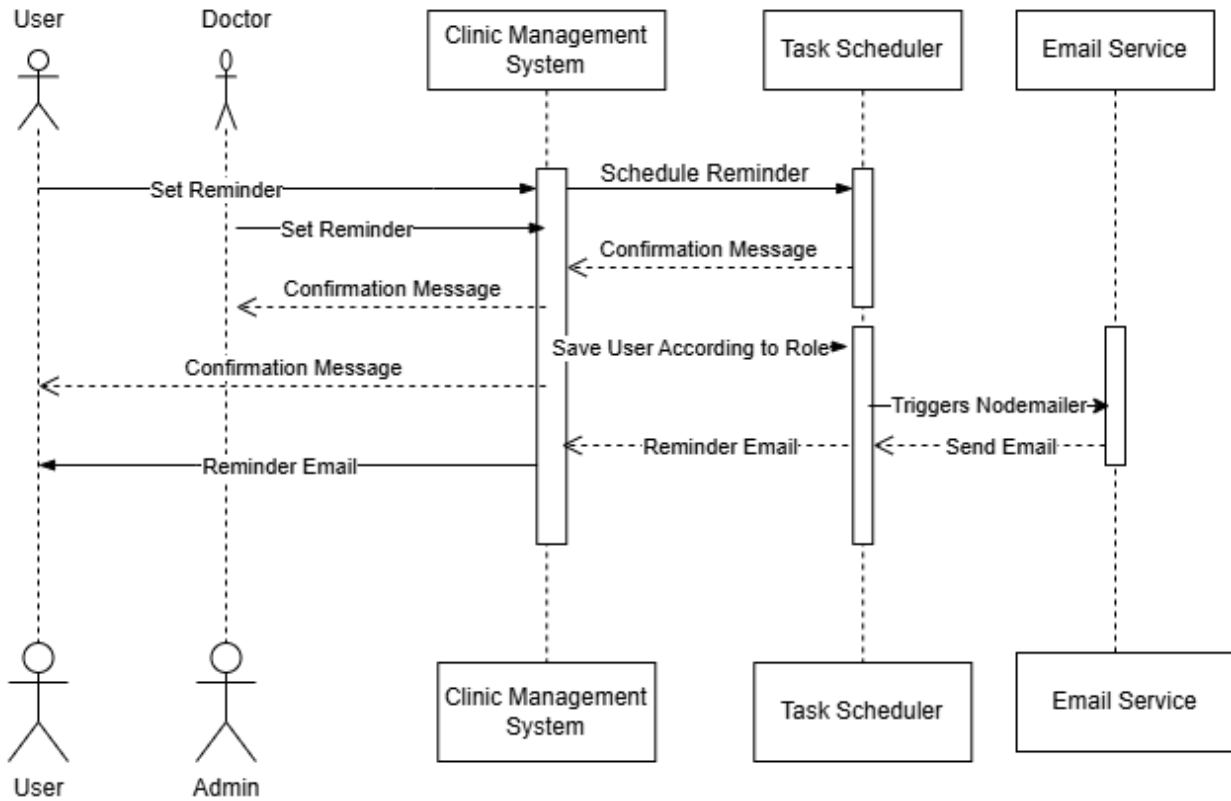
3.1. SRS

Requirements	Type
System sends automated email reminders before appointments	Functional Requirement
Users can enable or disable reminders	Functional Requirement
Reminders are sent at configurable intervals	Functional Requirement
Emails should comply with spam regulations (CAN-SPAM, GDPR)	Non-Functional Requirement
High availability with 99.9% uptime for email service	Non-Functional Requirement

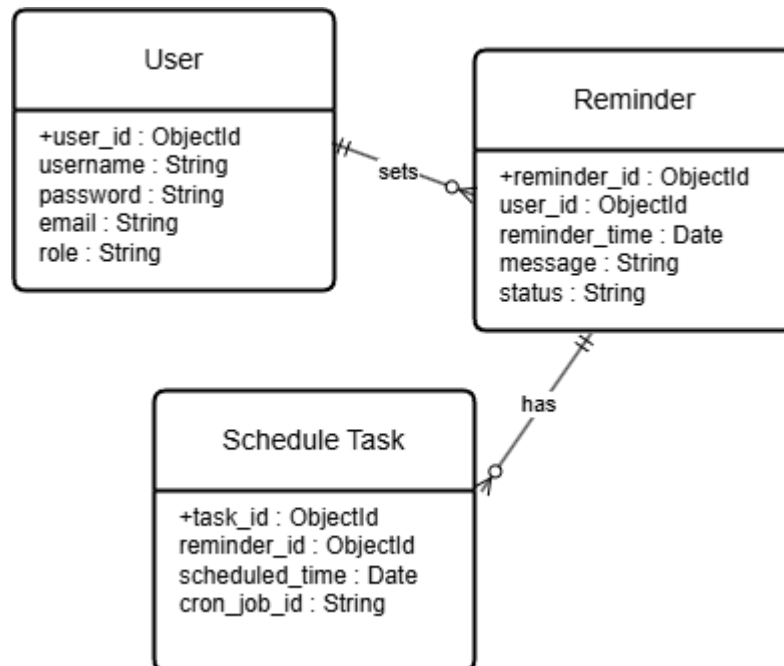
3.2. Activity Diagram



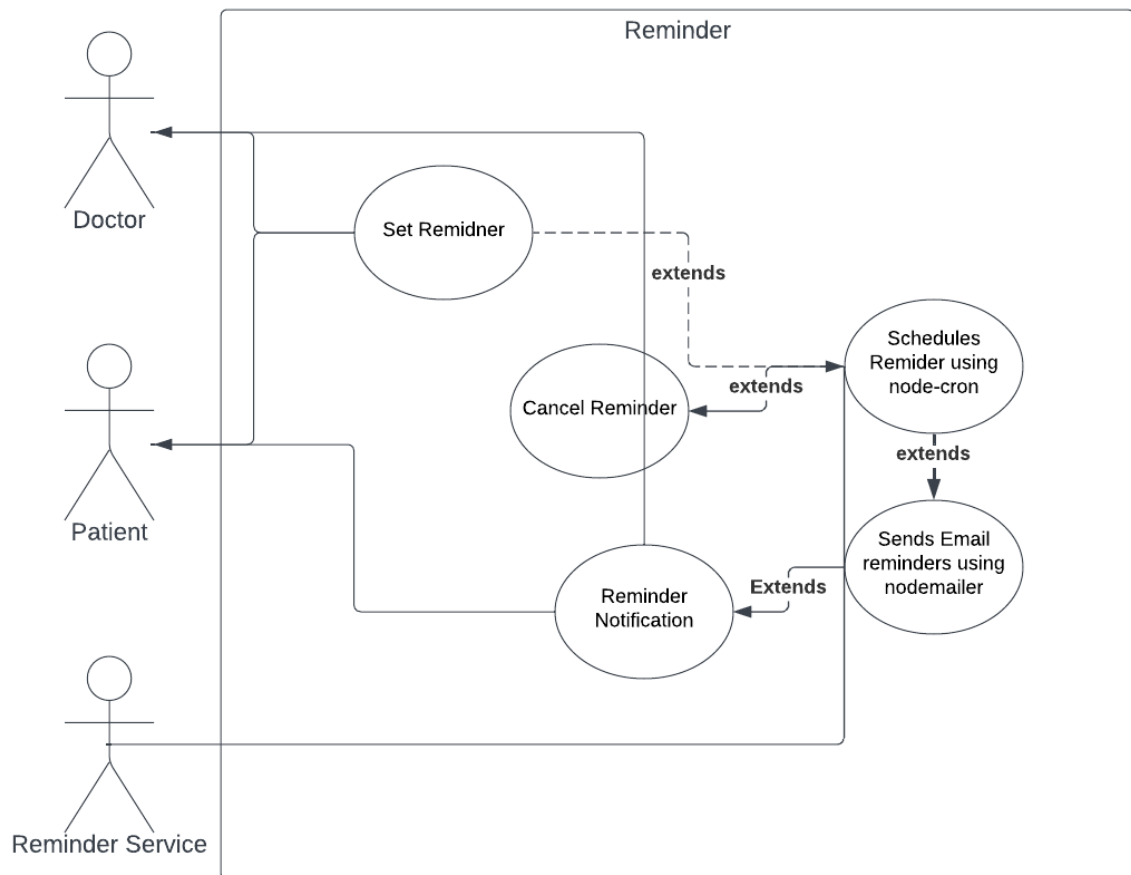
3.3. Sequence Diagram



3.4. Entity



3.5. Use case Diagram



3.6. WireFrame

A Web Page

https://

Set Email Reminder

Enter time in HH:mm format

▼

Enter Reminder Message

Set Reminder

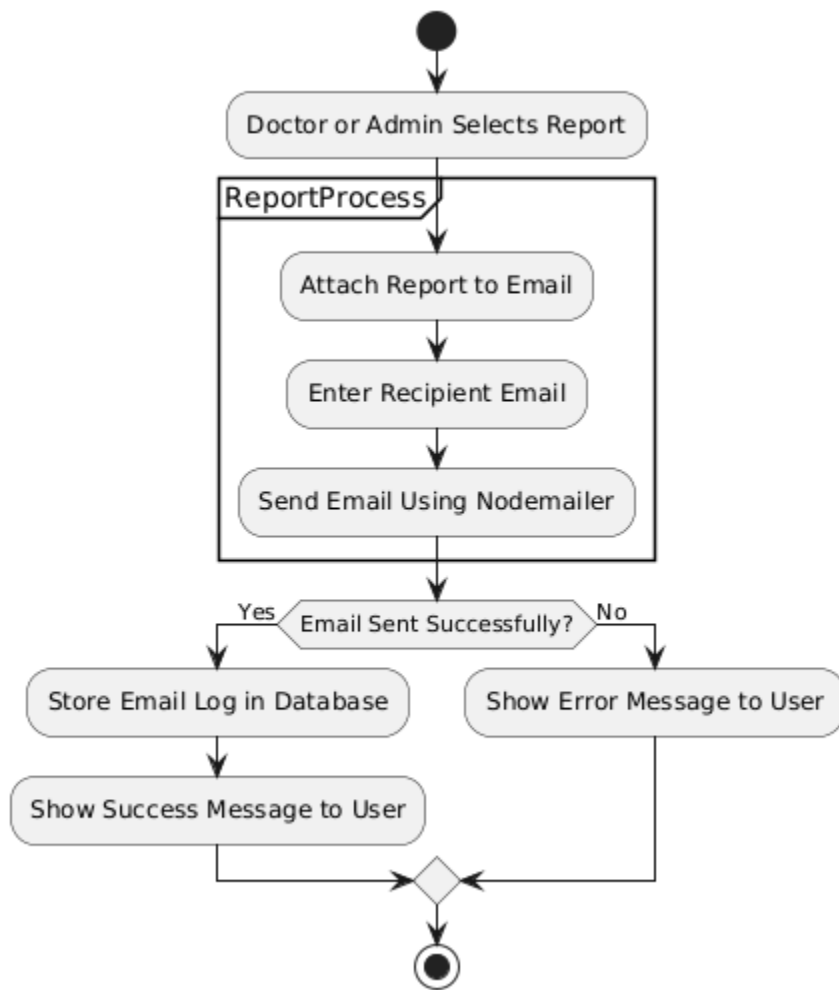
No reminder Set

4. Report Sharing

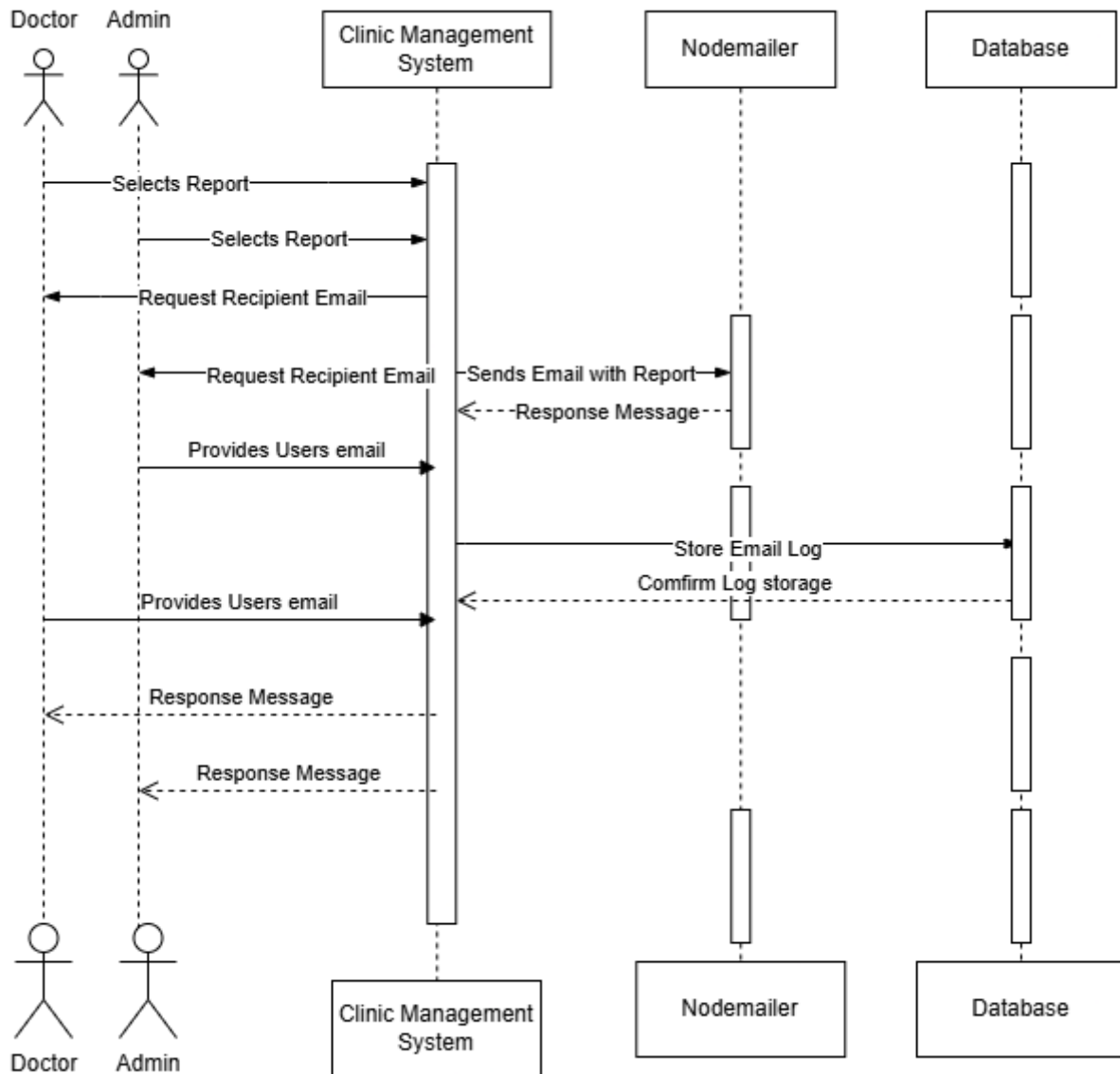
4.1. SRS

Requirements	Type
Doctors can share reports with patients via email.	Functional Requirement
Patients receive secure, downloadable report links	Functional Requirement
Reports should be accessible only to authorized users	Functional Requirement
Must comply with HIPAA and data privacy laws	Non-Functional Requirement
Email delivery must have at least 95% success rate	Non-Functional Requirement

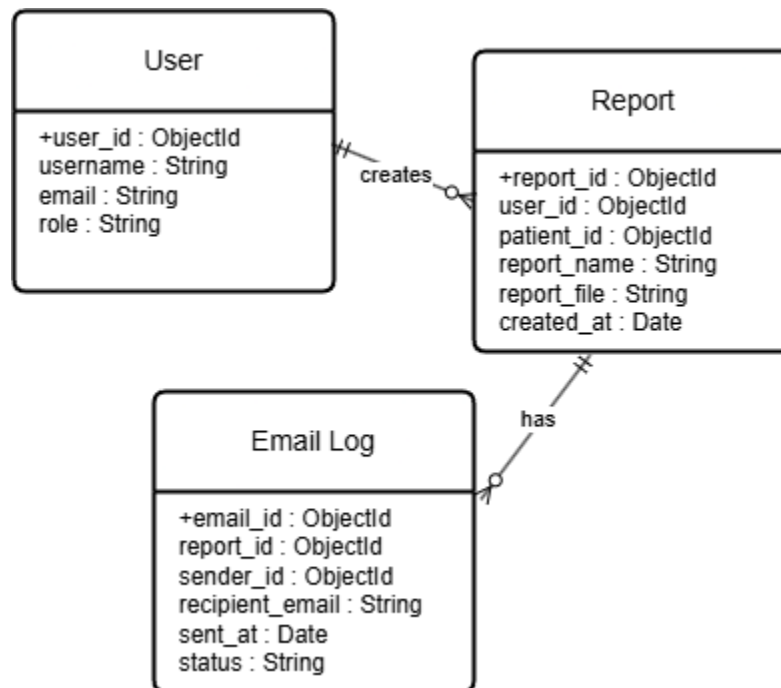
4.2. Activity Diagram



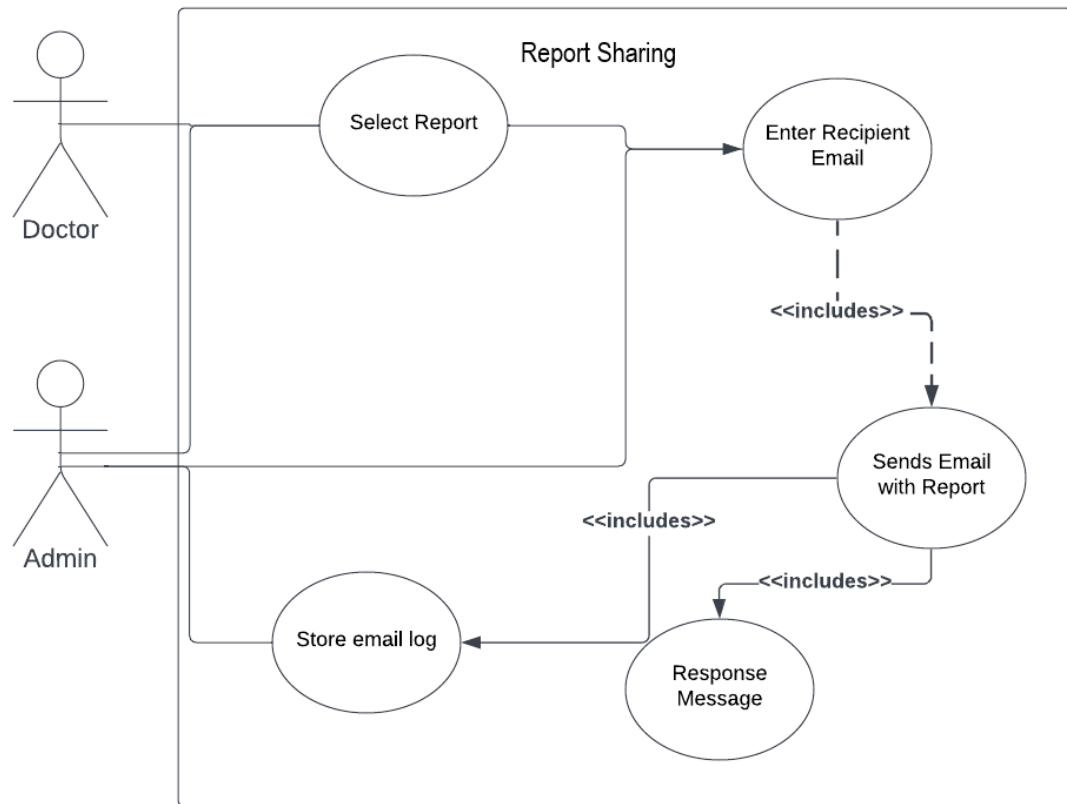
4.3. Sequence Diagram



4.4. Entity Relationship Diagram



4.5. User case Diagram



4.6. Wireframe

The wireframe depicts a web browser window titled "A Web Page". The address bar contains "https://". The main content area features a form titled "Set Email Reminder". Inside the form, there is a time selection dropdown menu labeled "Enter time in HH:mm format", a text input field labeled "Enter Reminder Message", and a "Set Reminder" button. Below the form, the text "No reminder Set" is displayed. The browser window has standard navigation icons (back, forward, close, home) and a search icon.

A Web Page

https://

Set Email Reminder

Enter time in HH:mm format

Enter Reminder Message

Set Reminder

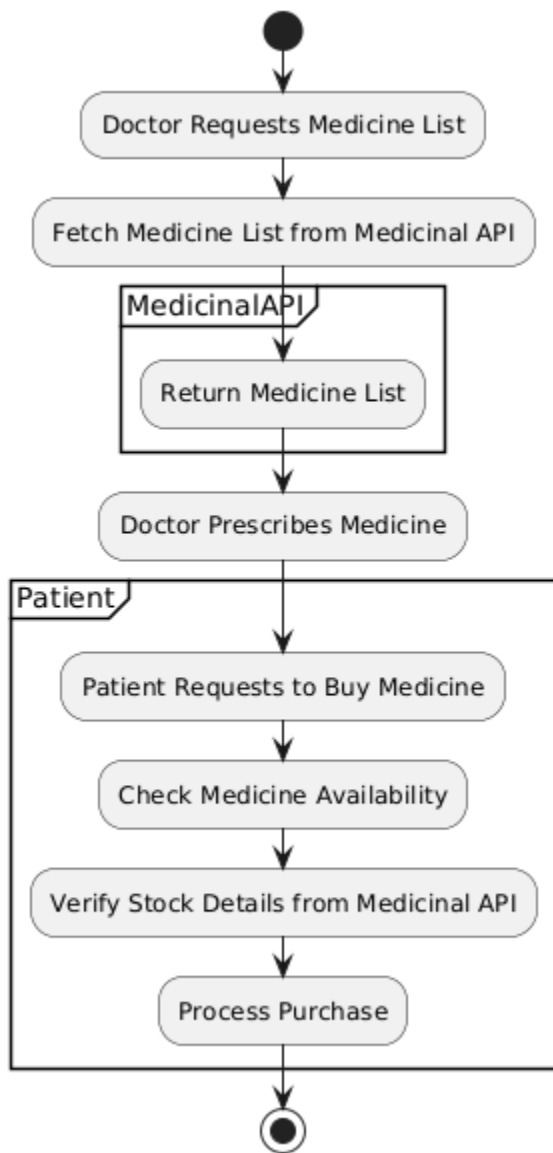
No reminder Set

5. Prescription management

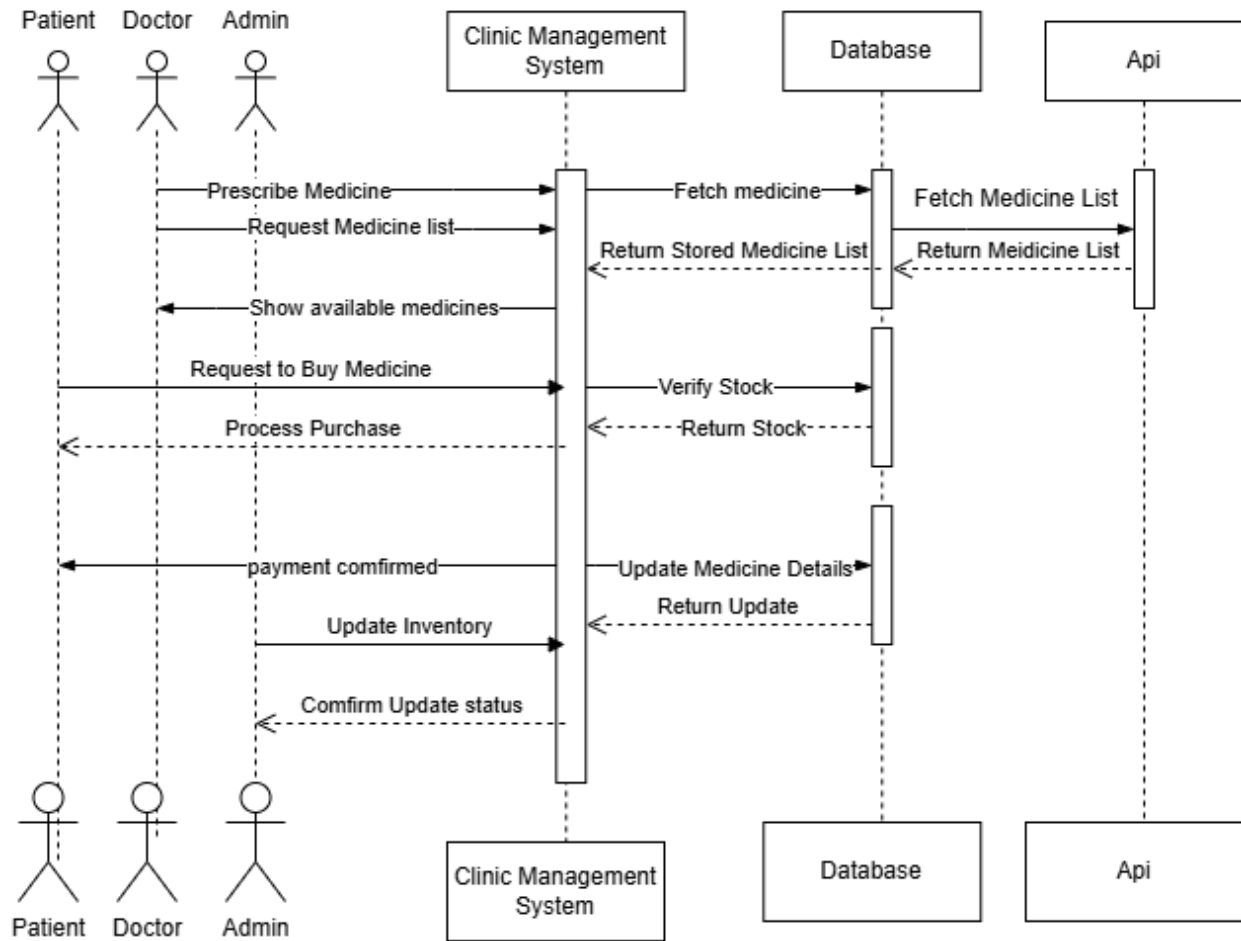
5.1. SRS

Requirements	Type
Doctors can create, edit, and delete prescriptions	Functional Requirement
Patients can view and download their prescriptions	Functional Requirement
System integrates with a medicine inventory API.	Functional Requirement
Secure access control to prevent unauthorized access	Non-Functional Requirement
Prescriptions should be stored for required time	Non-Functional Requirement

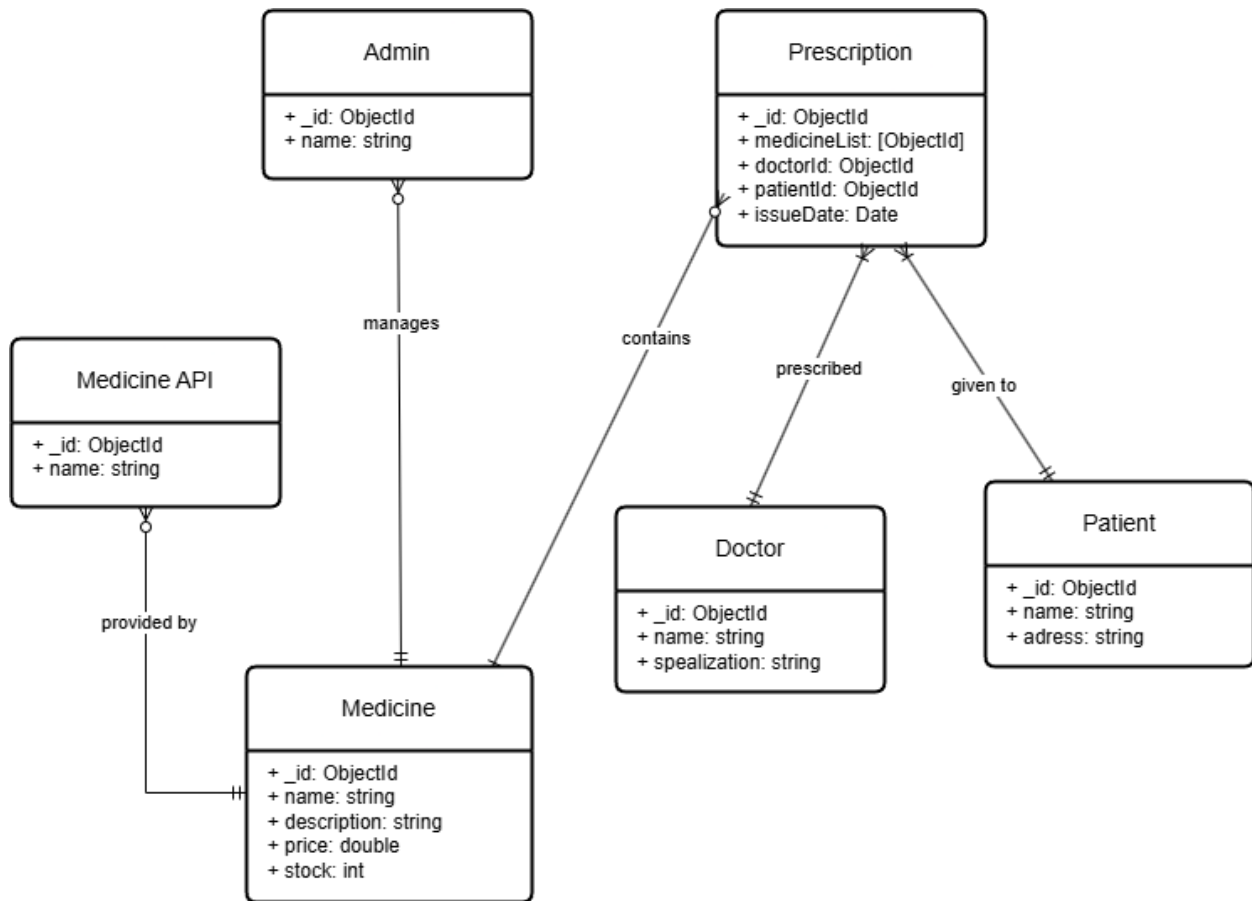
5.2. Activity Diagram



5.3. Sequence Diagram

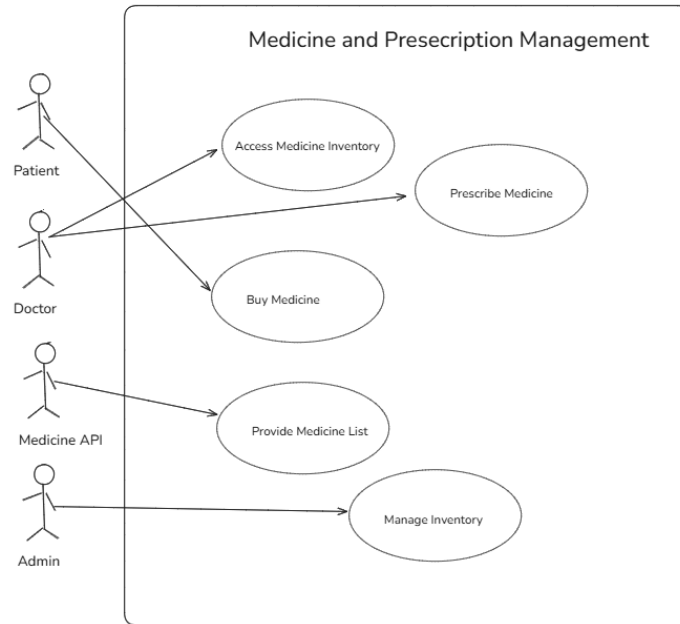


5.4. Entity Relationship Diagram

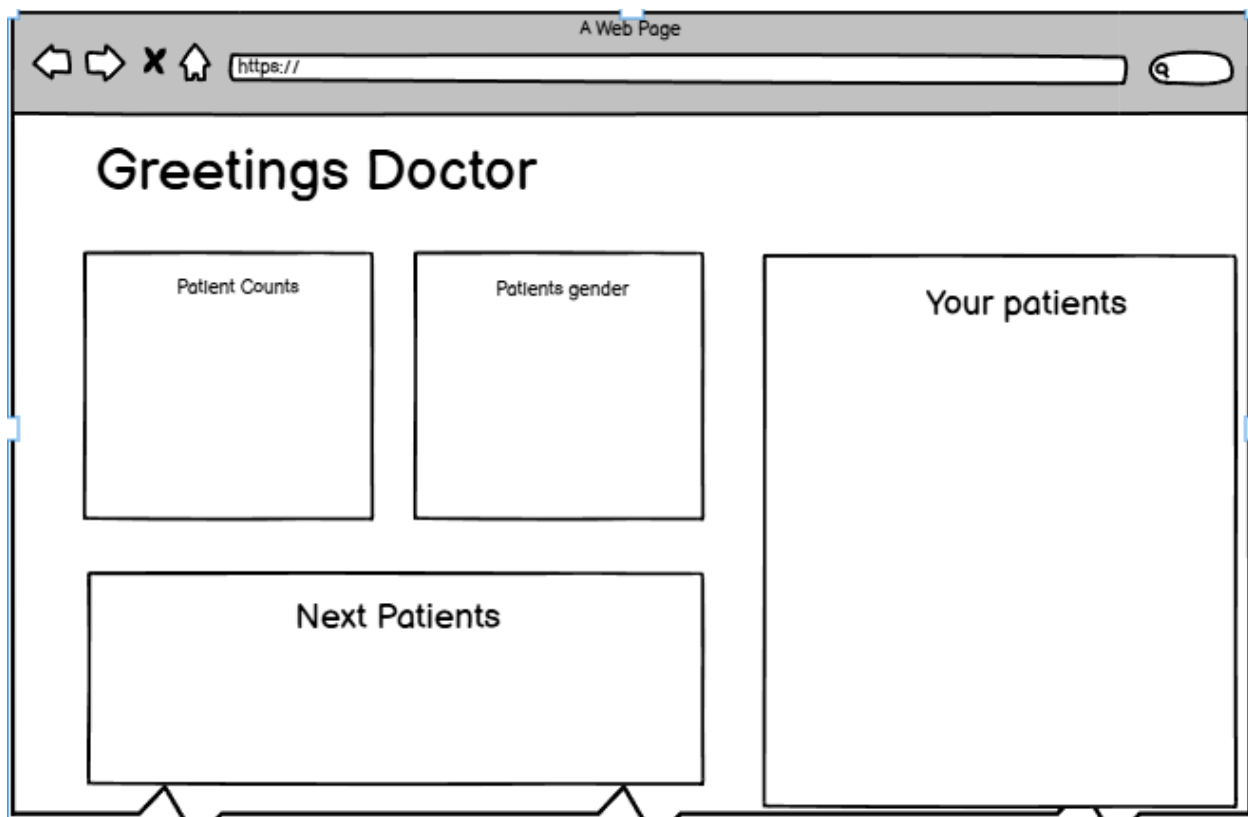


5.5. Use case Diagram

To move canvas, hold mouse wheel or spacebar while dragging, or use the hand tool



5.6. Wireframe

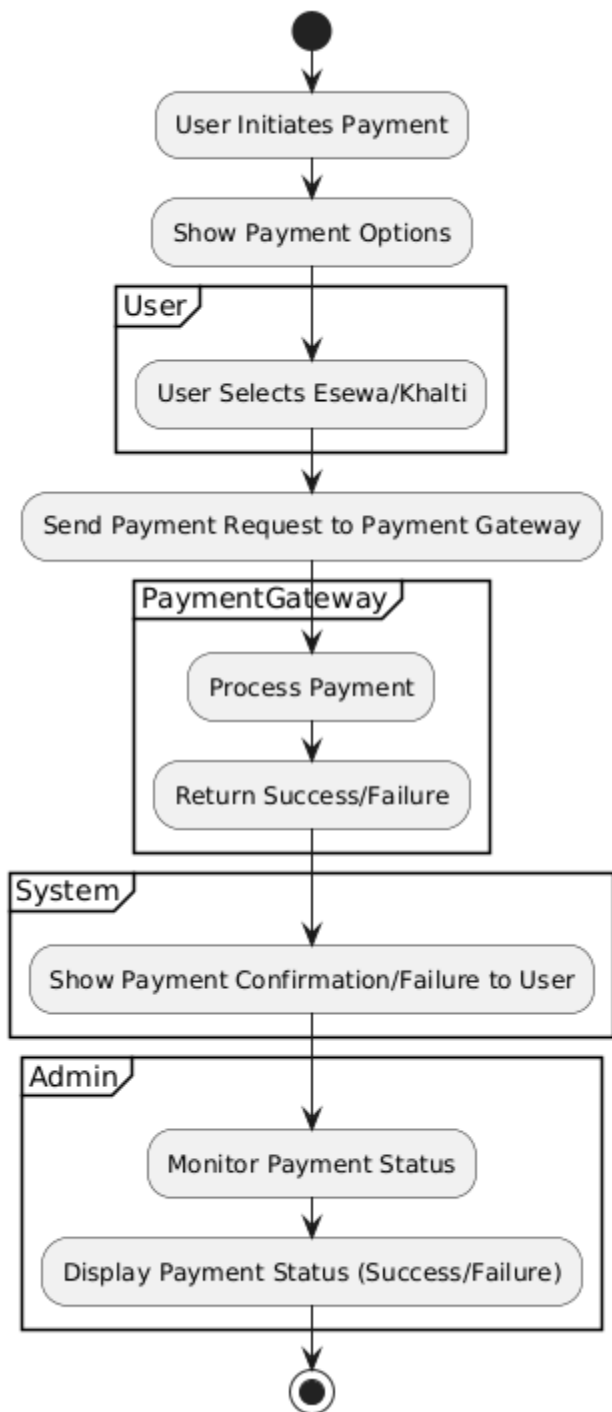


6. Payment System

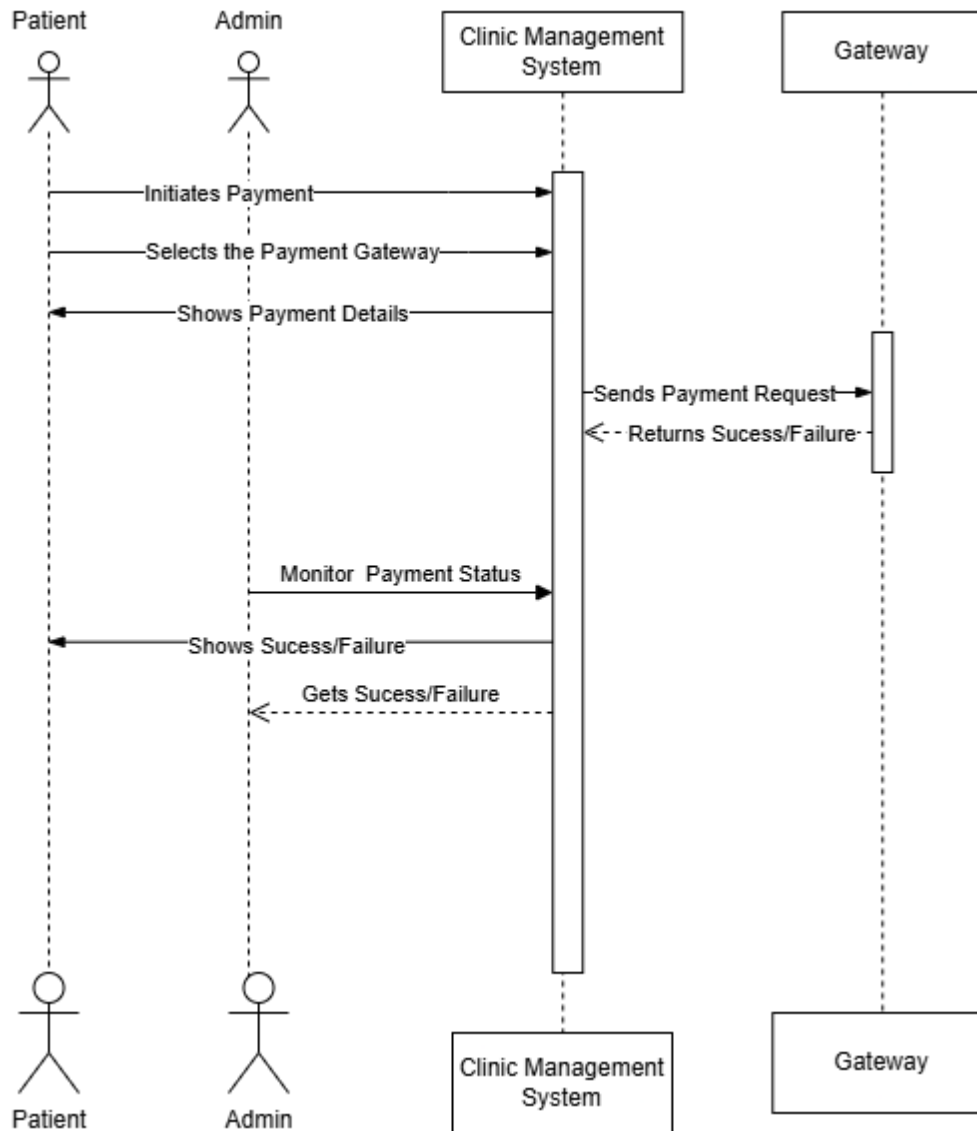
6.1. SRS

Requirements	Type
Patients can pay via multiple payment gateways (Stripe, PayPal, Esewa, Khalti).	Functional Requirement
Payment status updates should be logged	Functional Requirement
Transactions must be encrypted end-to-end	Non-Functional Requirement
System should handle peak loads without downtime	Non-Functional Requirement

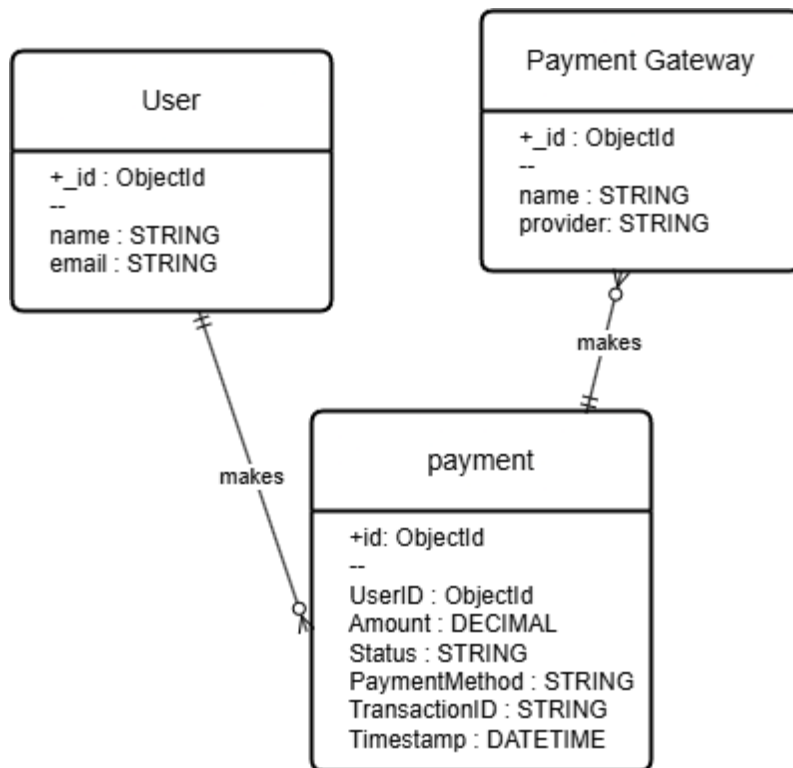
6.2. Activity Diagram



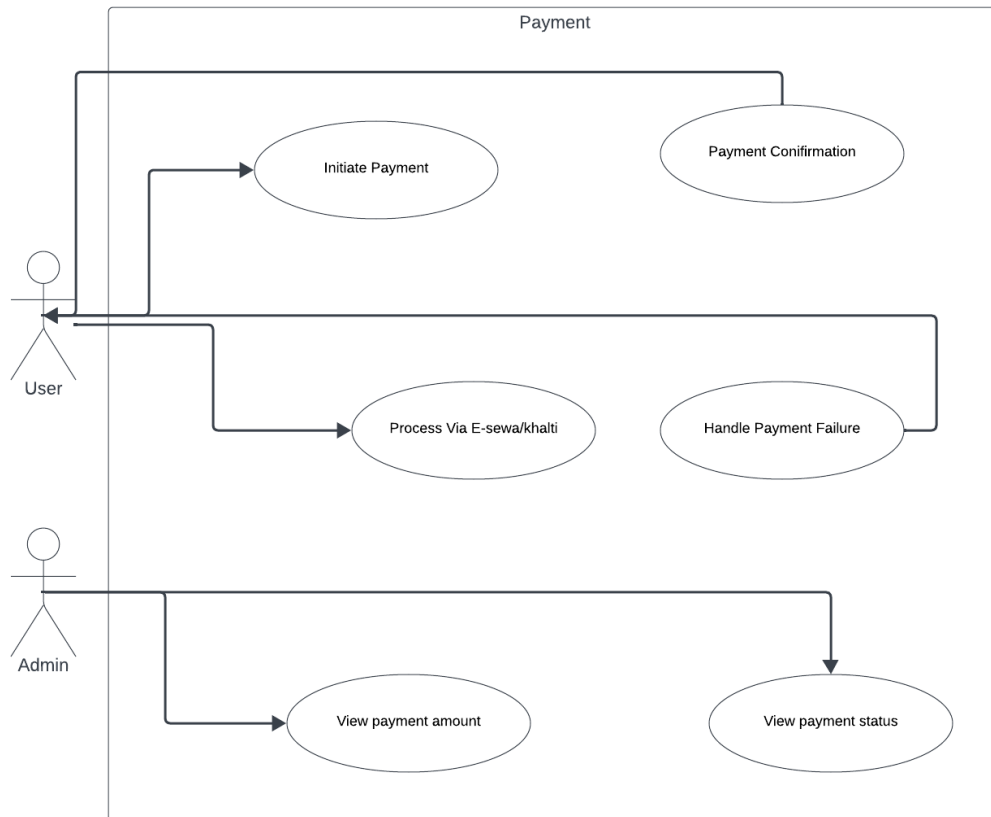
6.3. Sequence Diagram



6.4. Entity Relationship Diagram



6.5. Use case diagram



7. Testing

7.1. User Management

7.2. Email Reminder