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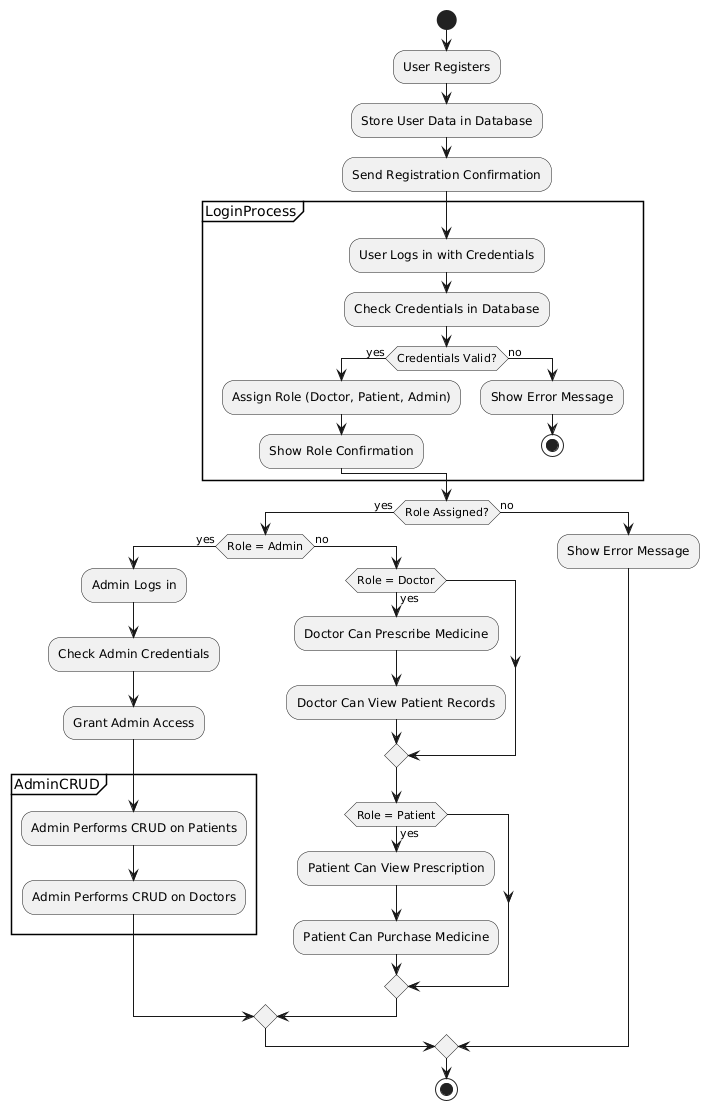
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# User Management

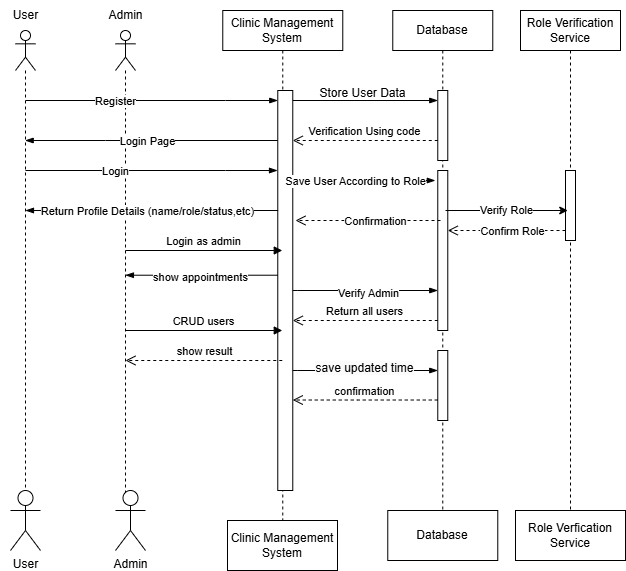
## SRS

|  |  |
| --- | --- |
| 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 |

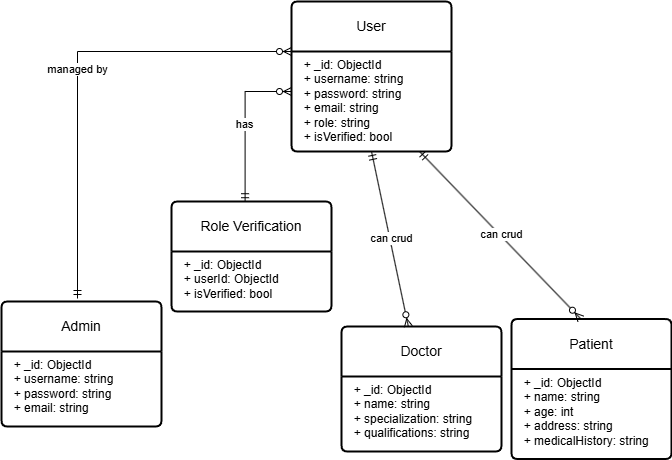
## Activity Diagram



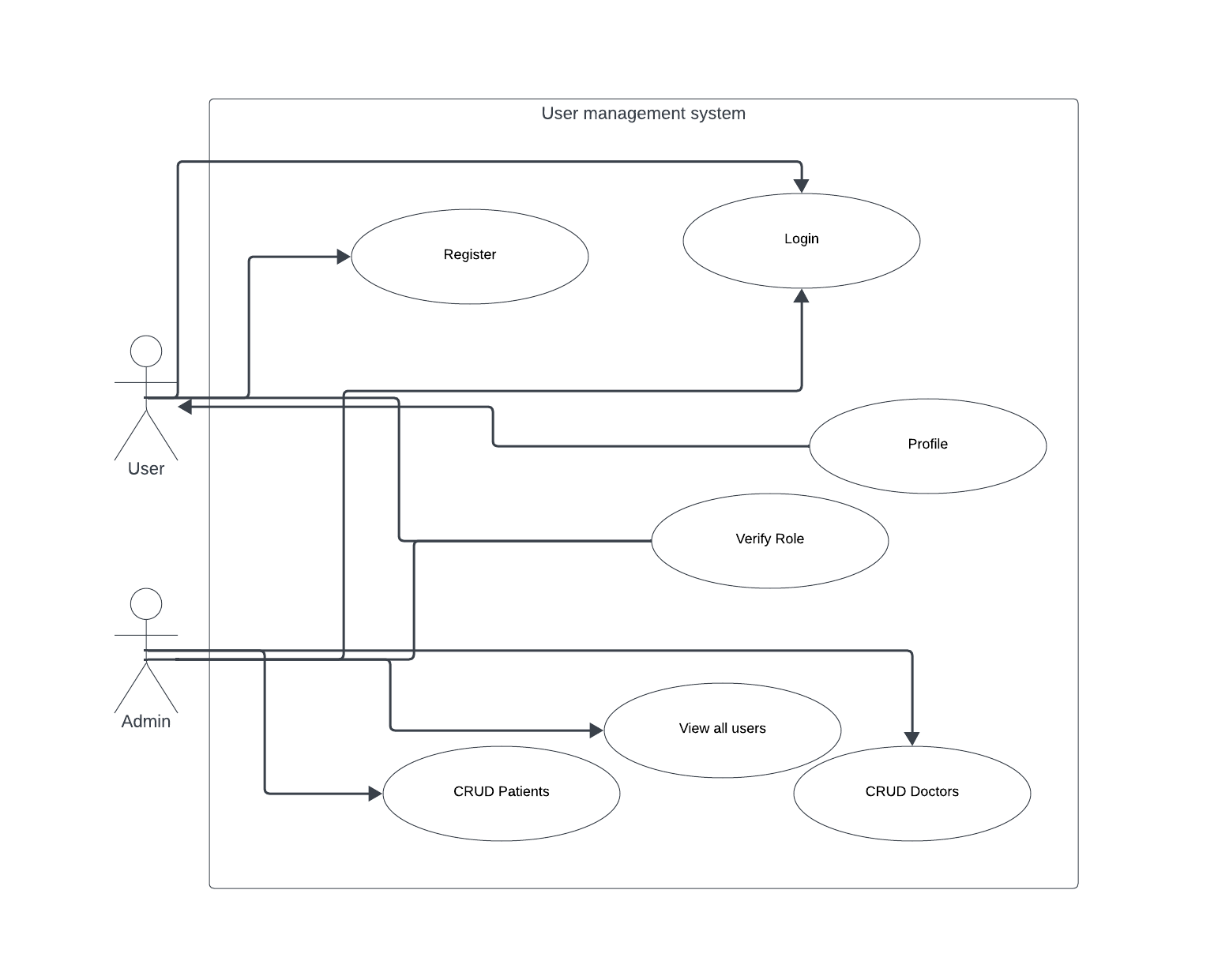
## Sequence Diagram



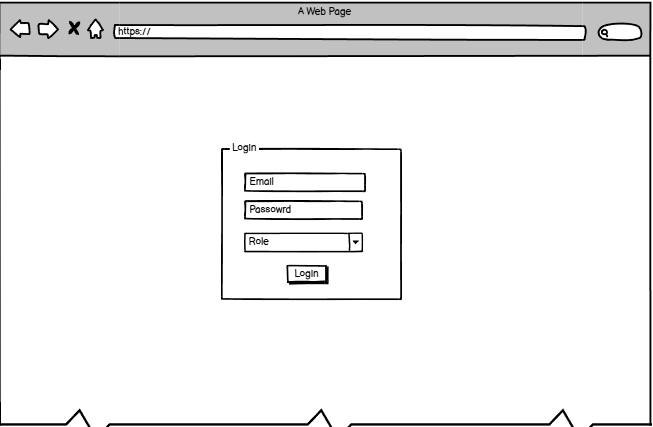
## Entity Relationship Diagram

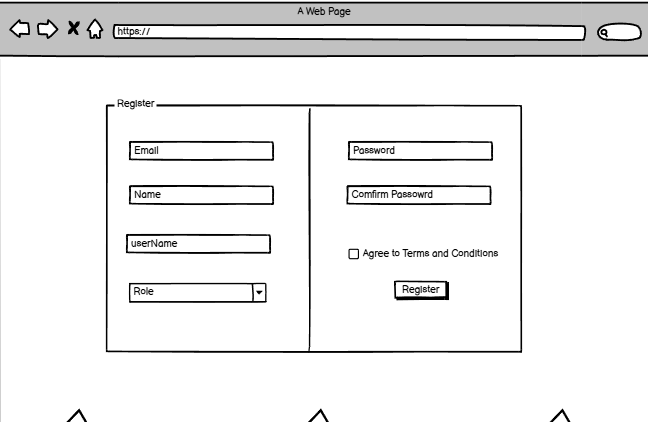


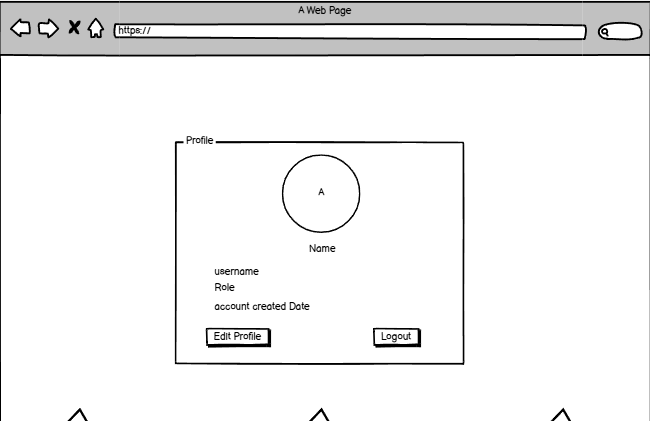
## Use case Diagram

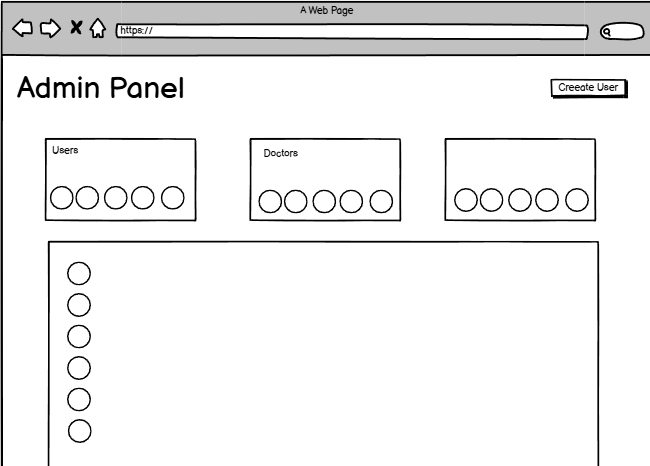


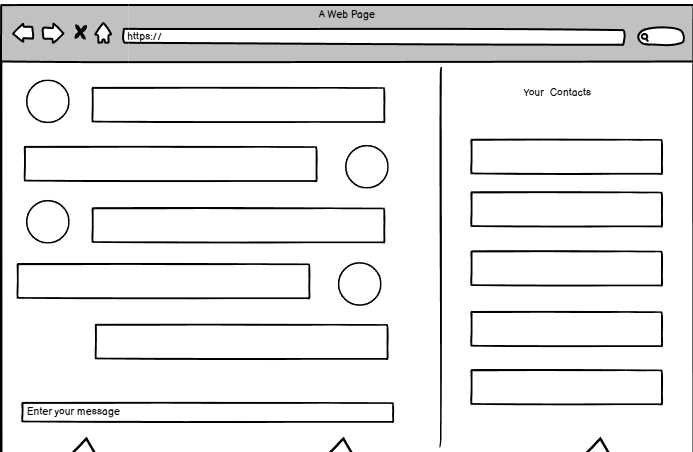
## Wireframes









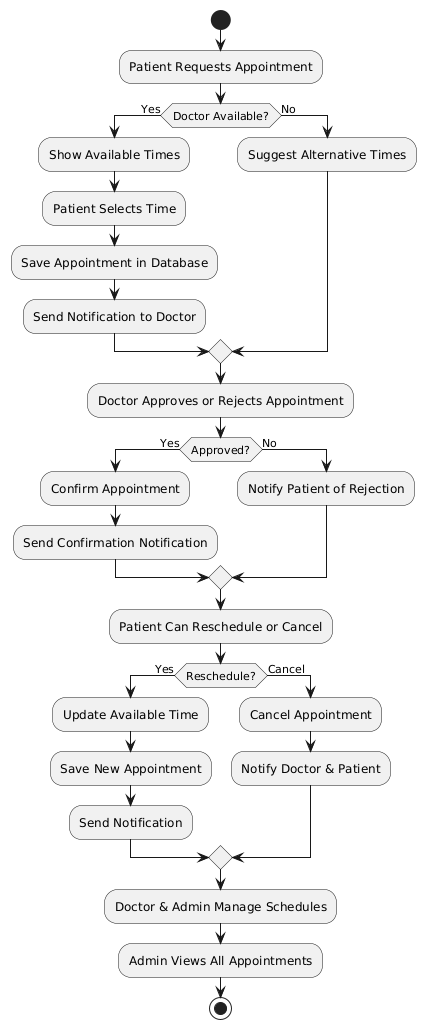


# Appointment Management

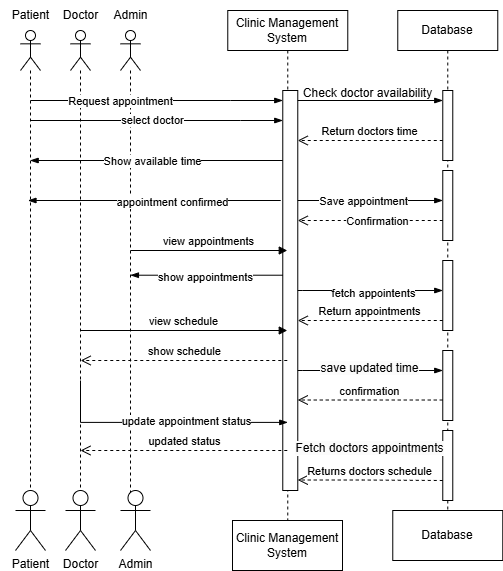
## SRS

|  |  |
| --- | --- |
| 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 |

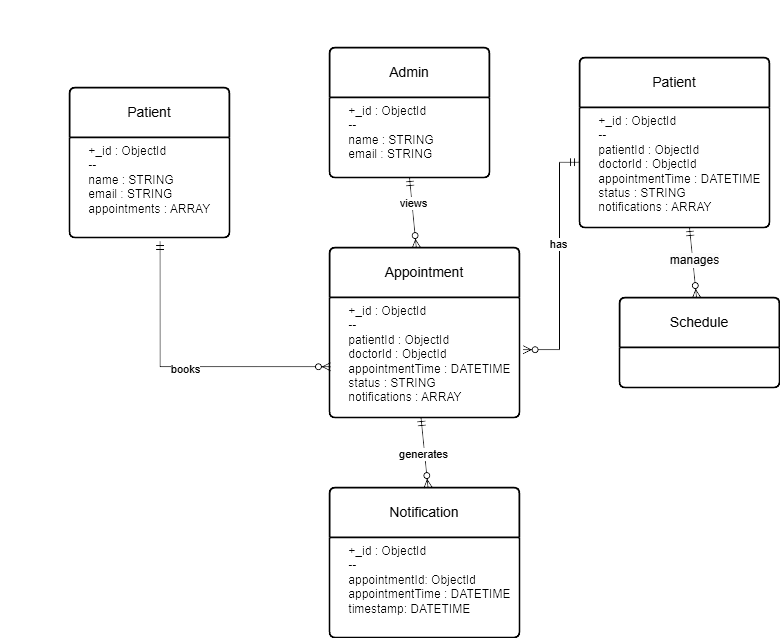
## Activity Diagram



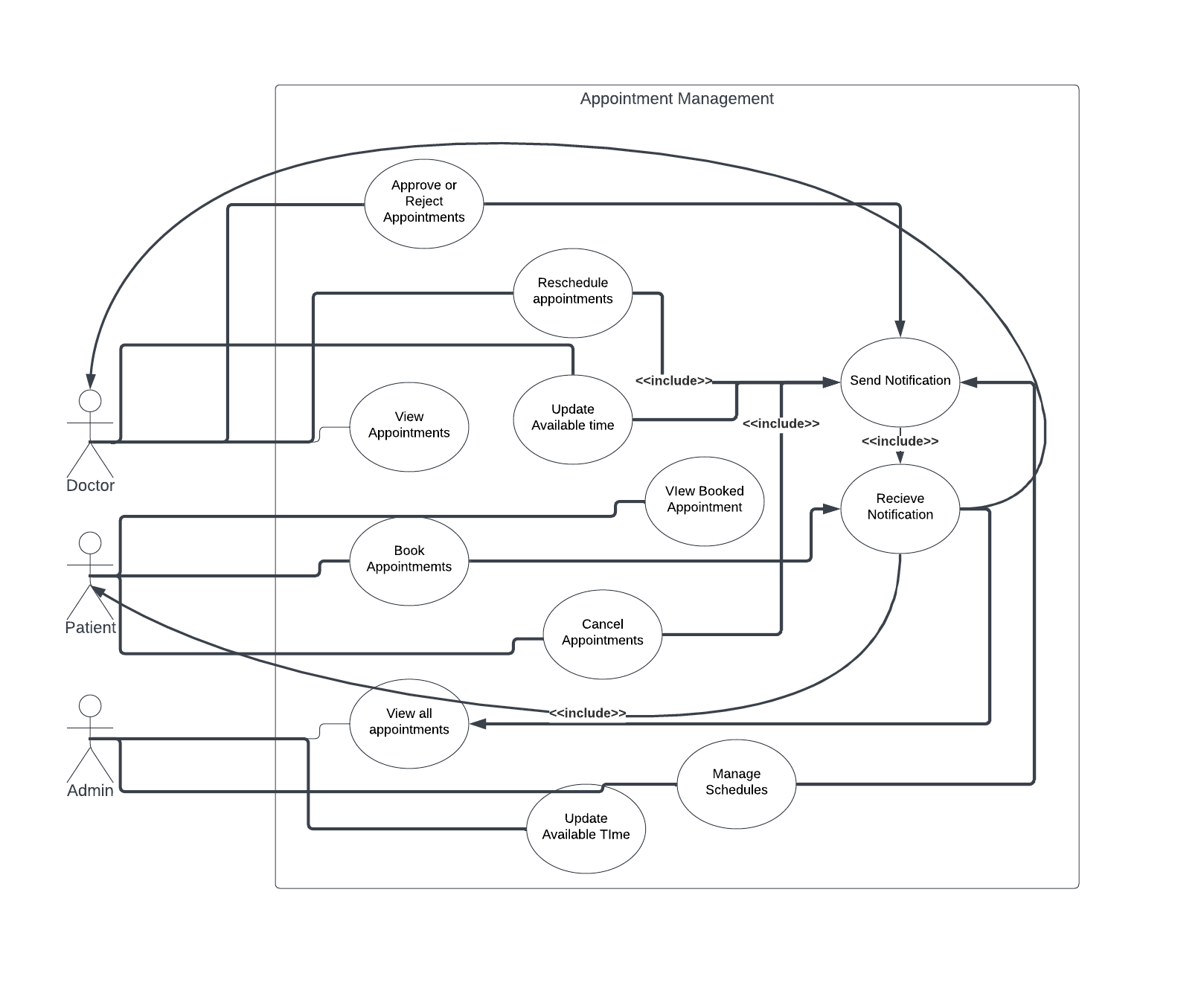
## Sequence Diagram



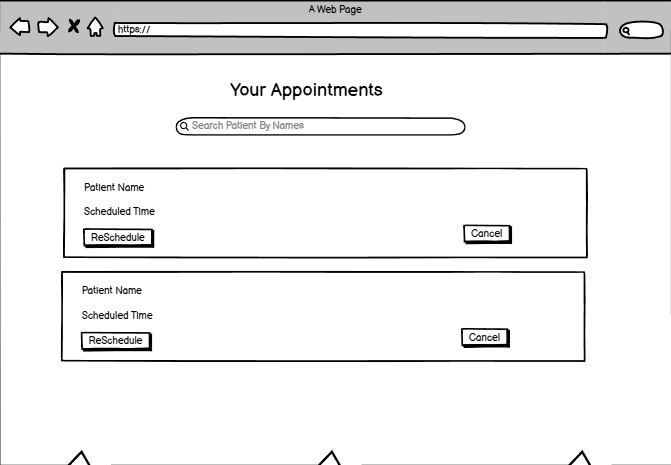
## Entity Relationship Diagram

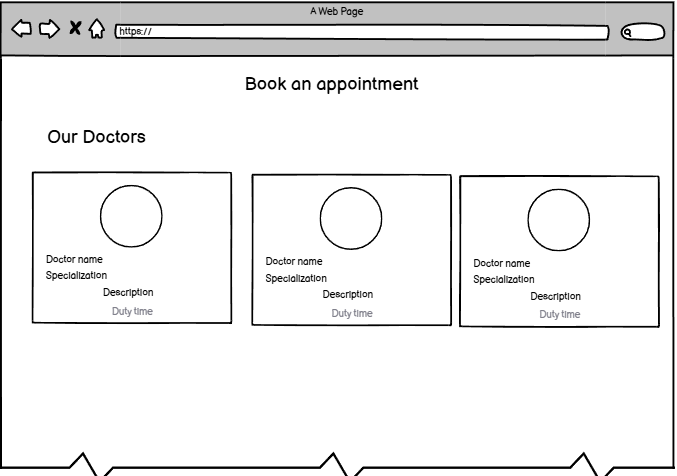


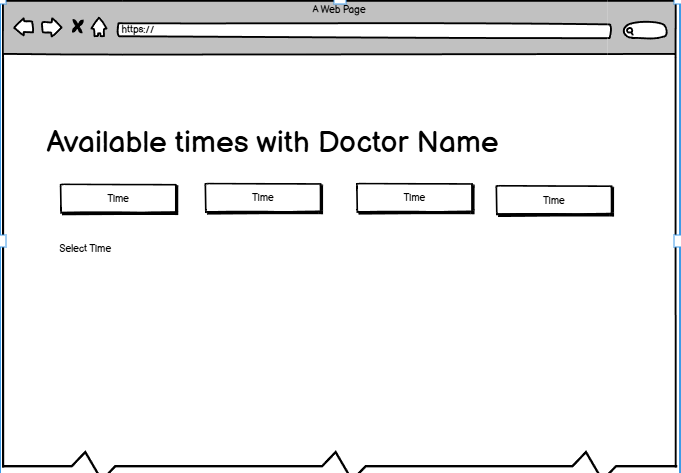
## Use Case Diagram



## Wireframe





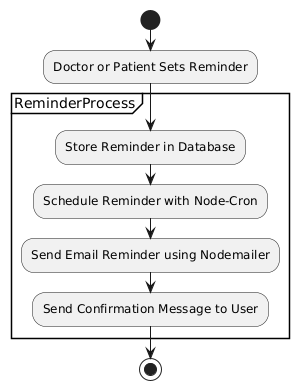


# Email Reminders

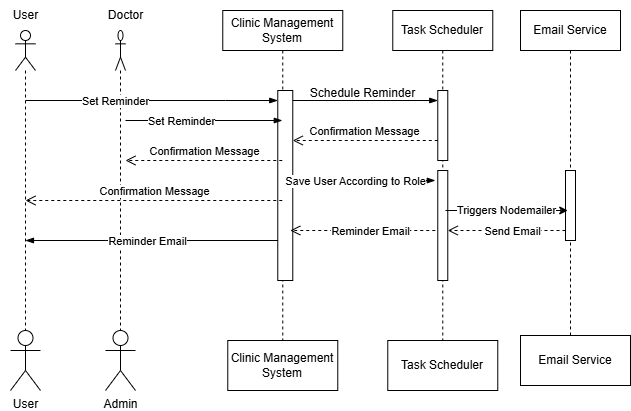
## SRS

|  |  |
| --- | --- |
| 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 |

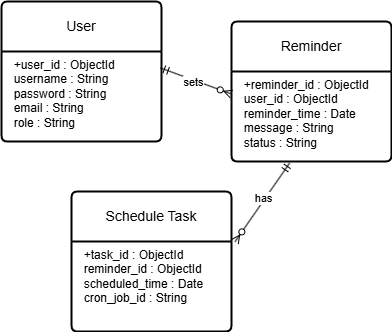
## Activity Diagram



## Sequence Diagram

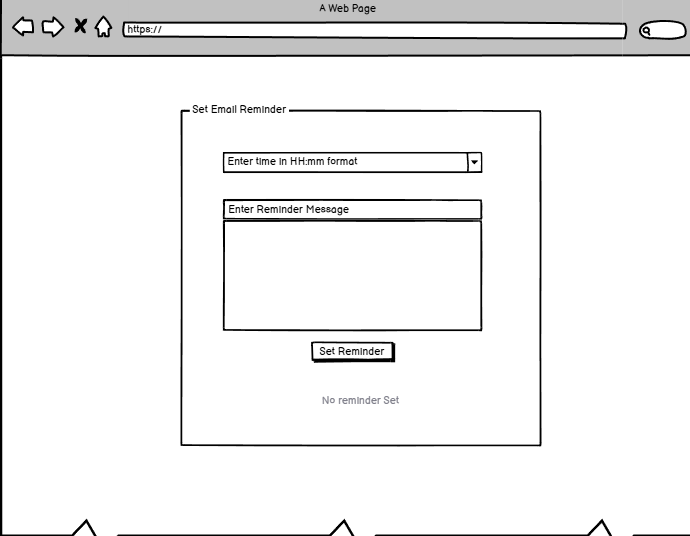


## Entity



## Use case Diagram

## WireFrame

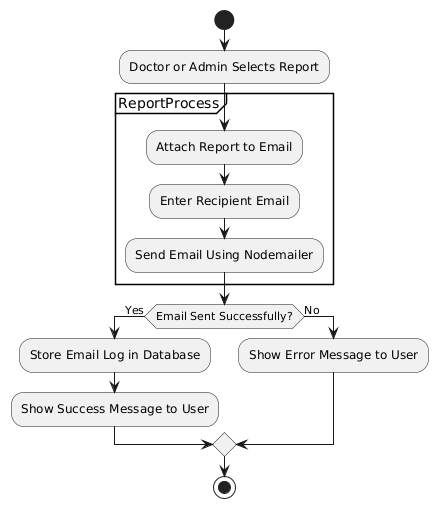


# Report Sharing

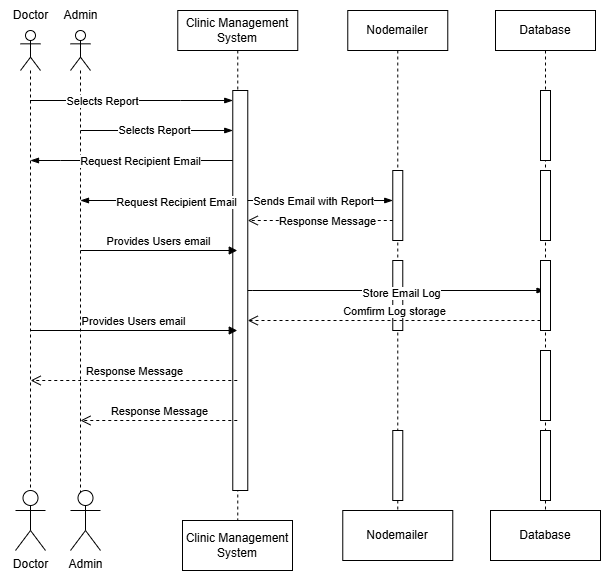
## SRS

|  |  |
| --- | --- |
| 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 |

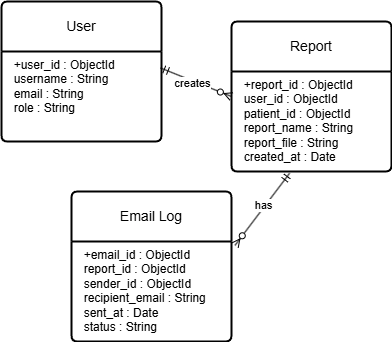
## Activity Diagram



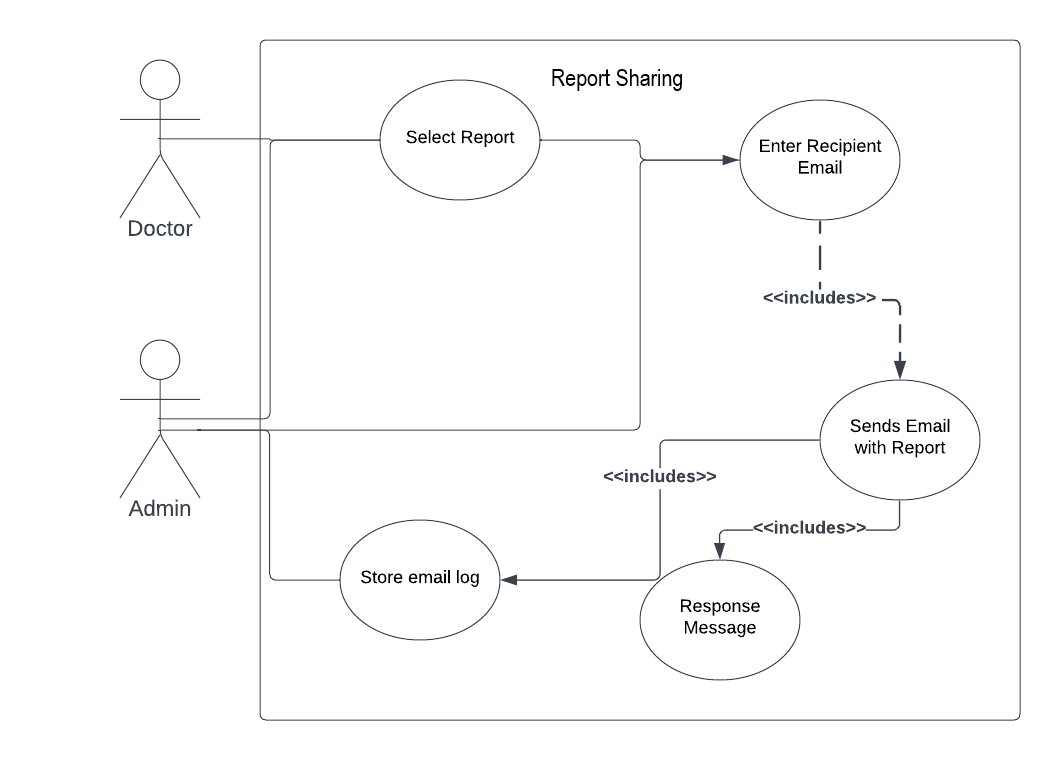
## Sequence Diagram



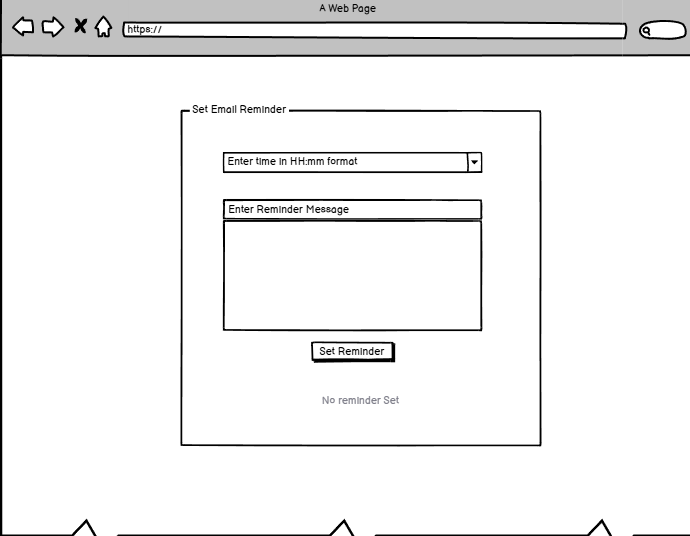
## Entity Relationship Diagram



## User case Diagram



## Wireframe

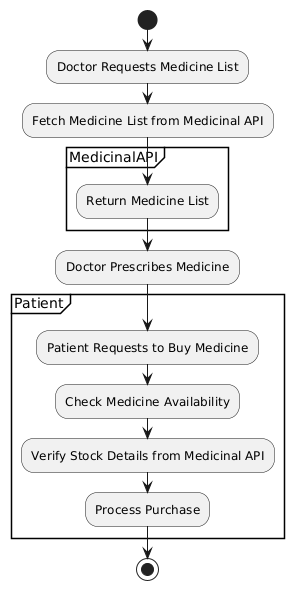


# Prescription management

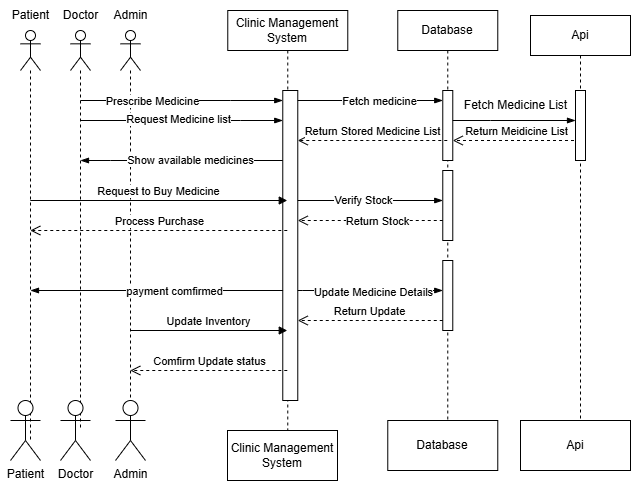
## SRS

|  |  |
| --- | --- |
| 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 |

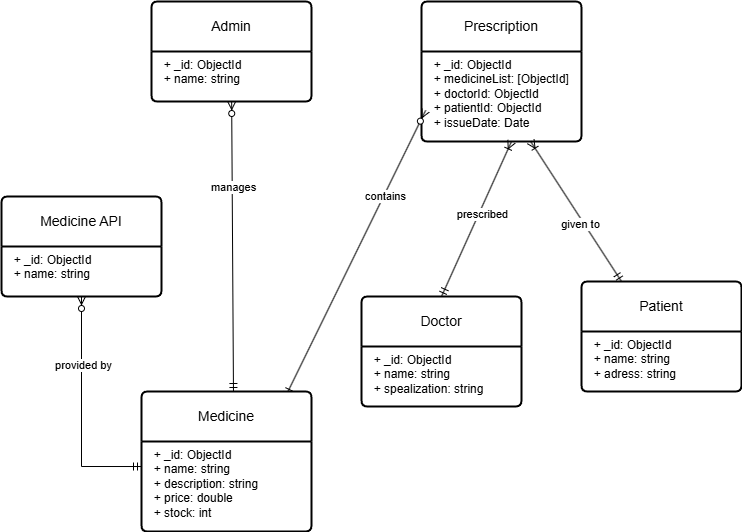
## Activity Diagram



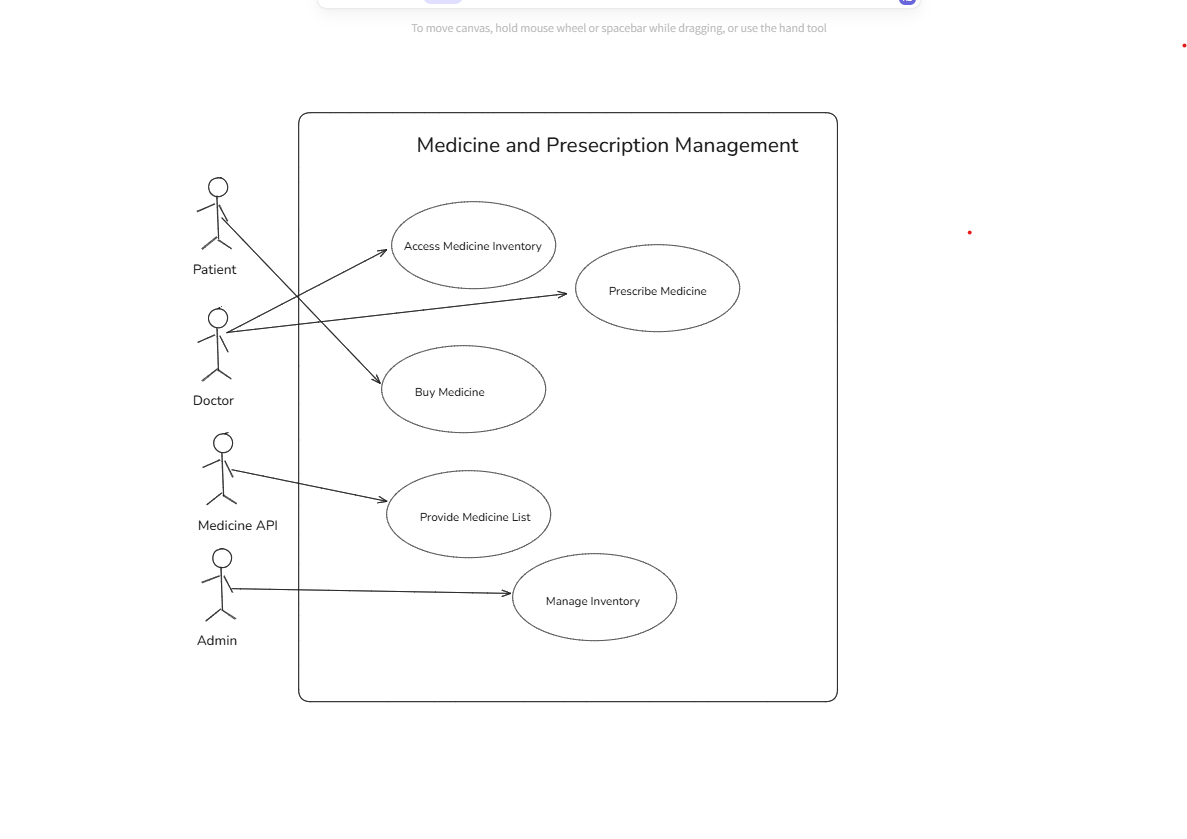
## Sequence Diagram



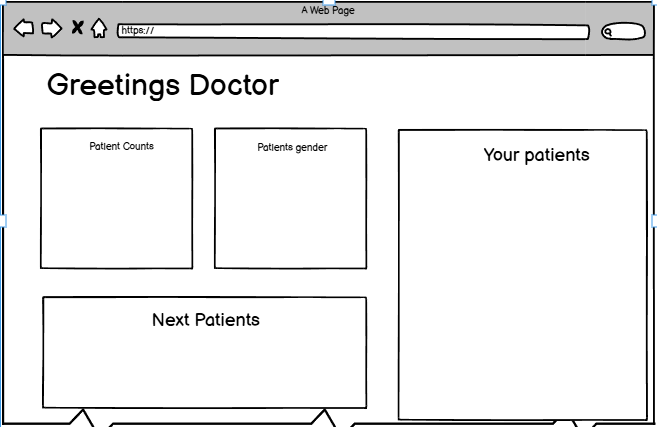
## Entity Relationship Diagram



## Use case Diagram



## Wireframe

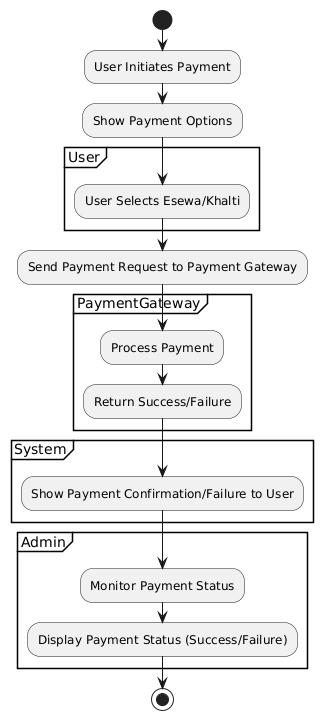


# Payment System

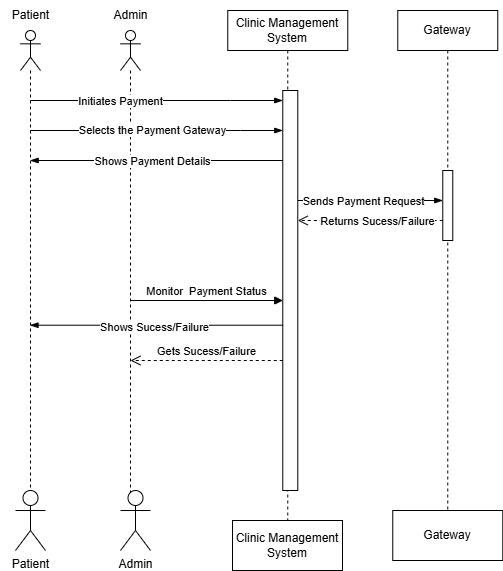
## SRS

|  |  |
| --- | --- |
| 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 |

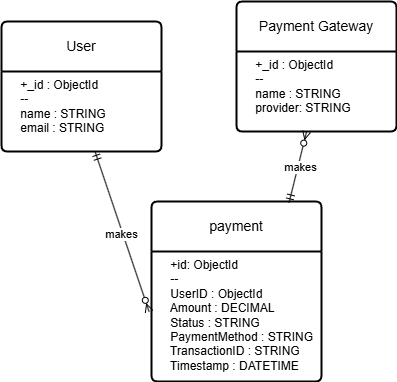
## Activity Diagram



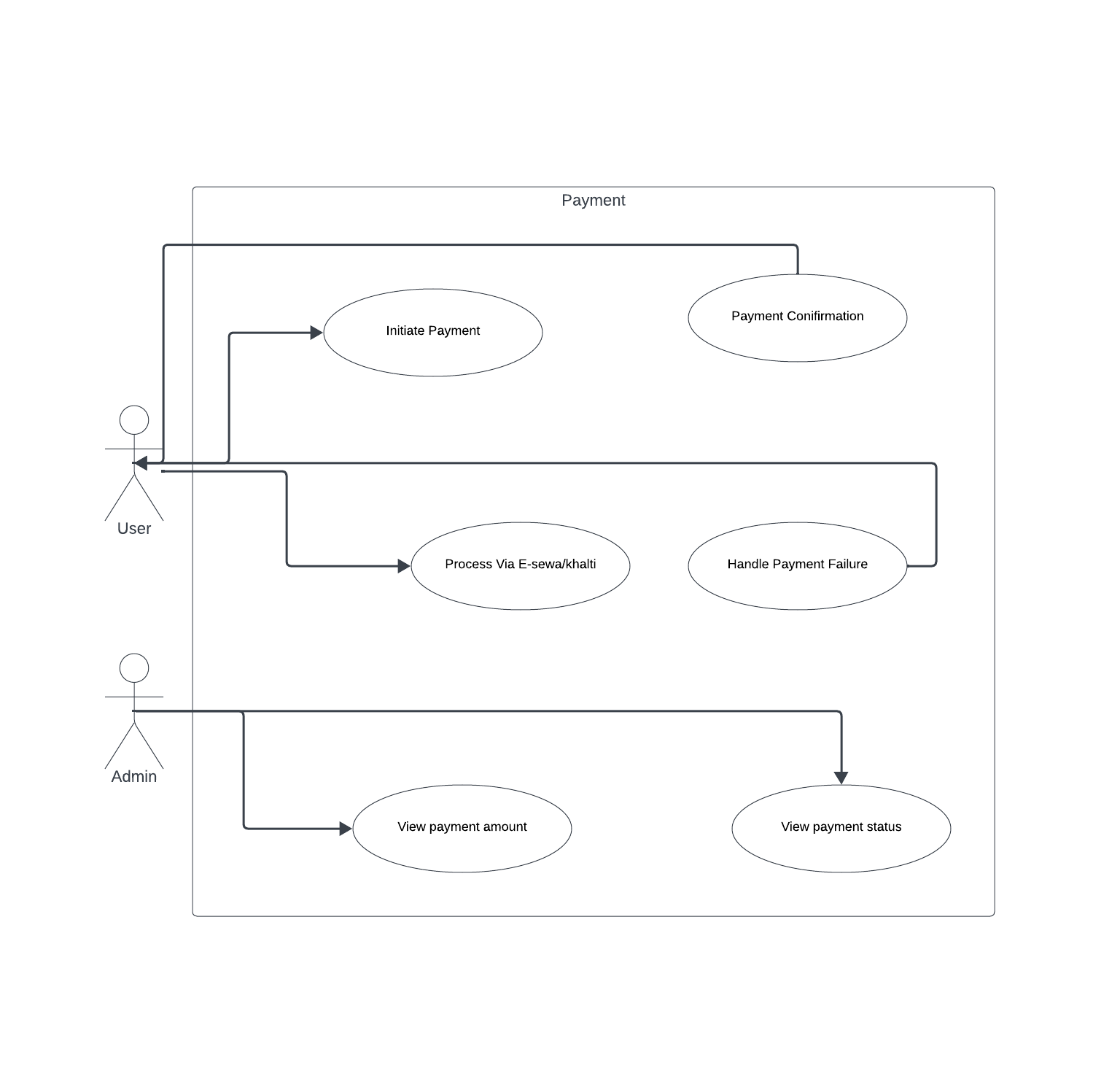
## Sequence Diagram



## Entity Relationship Diagram



## Use case diagram

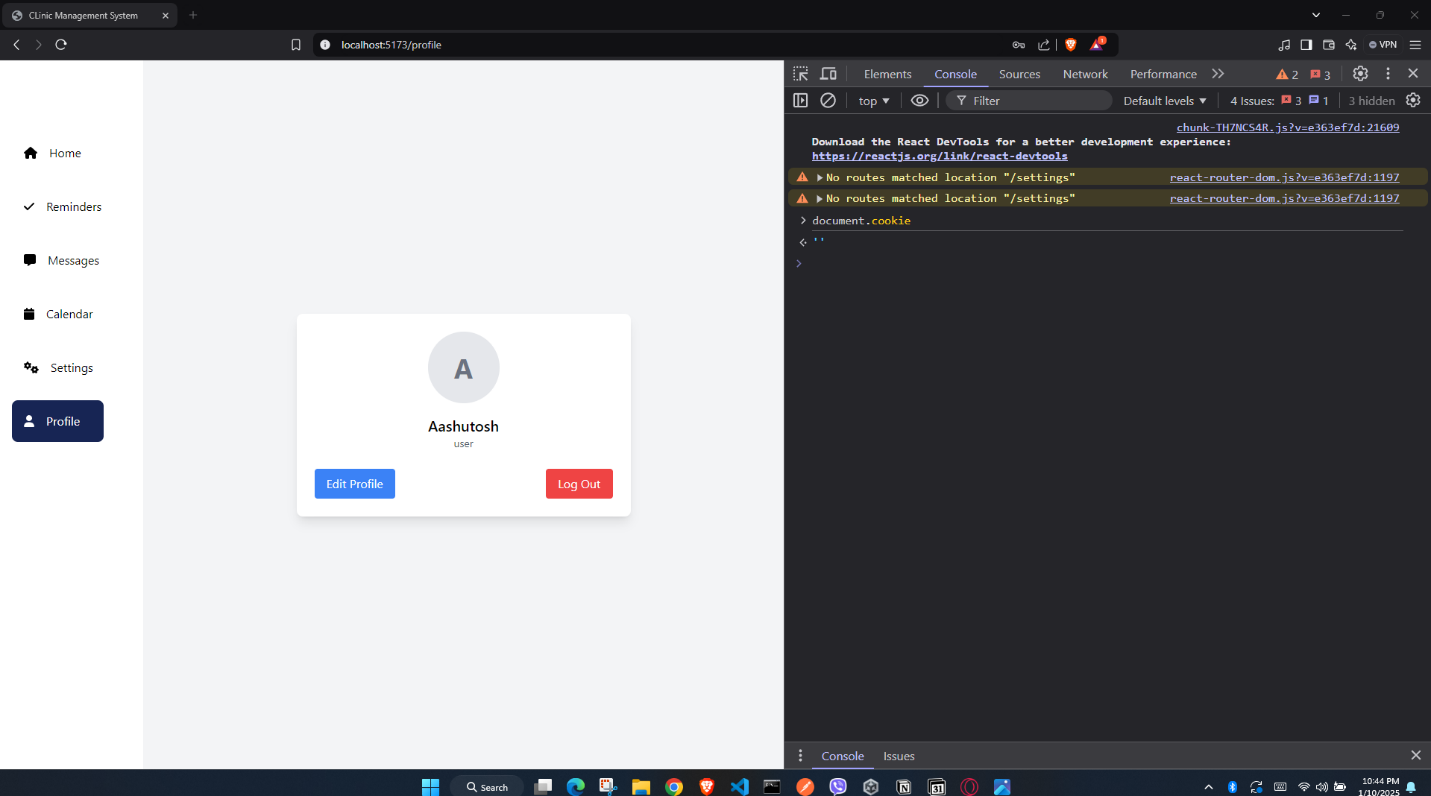


# Testing

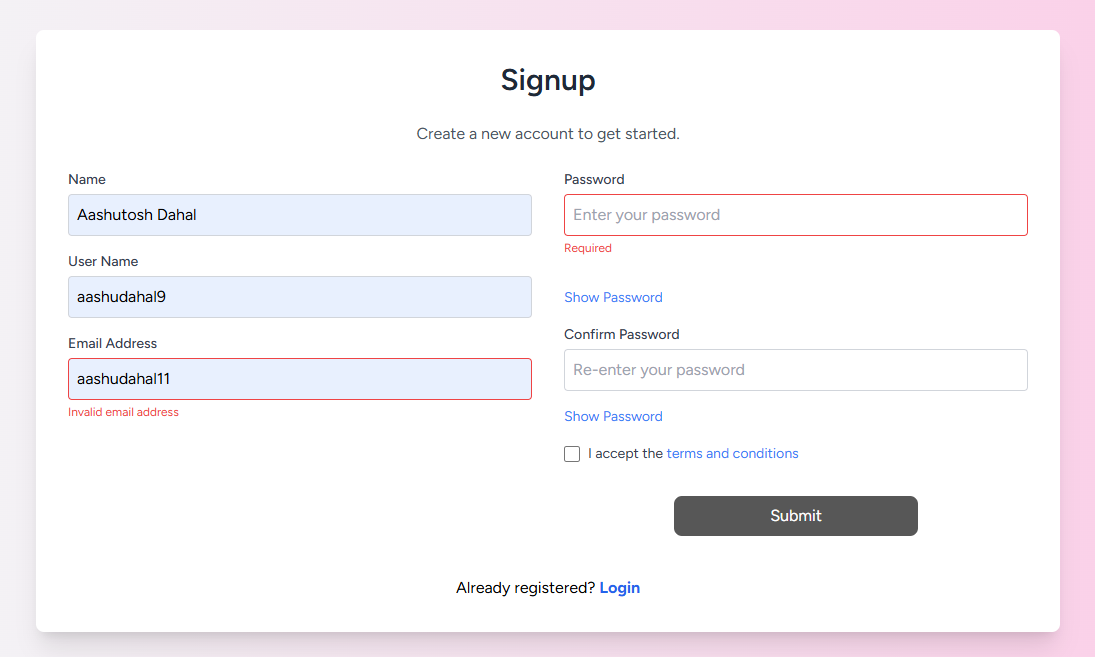
## User Management

### Register

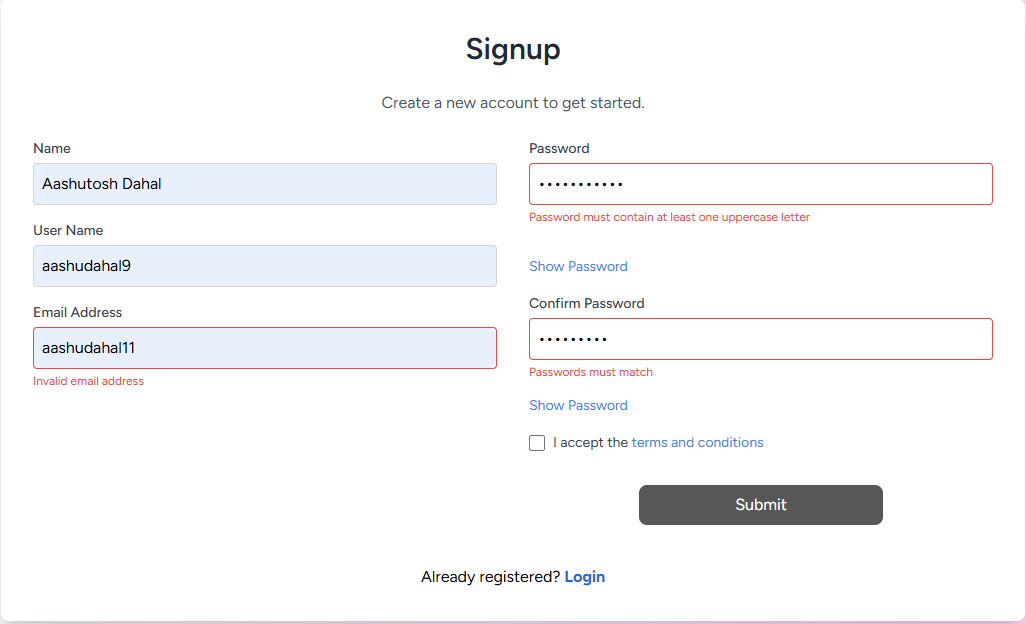
Successful Registration



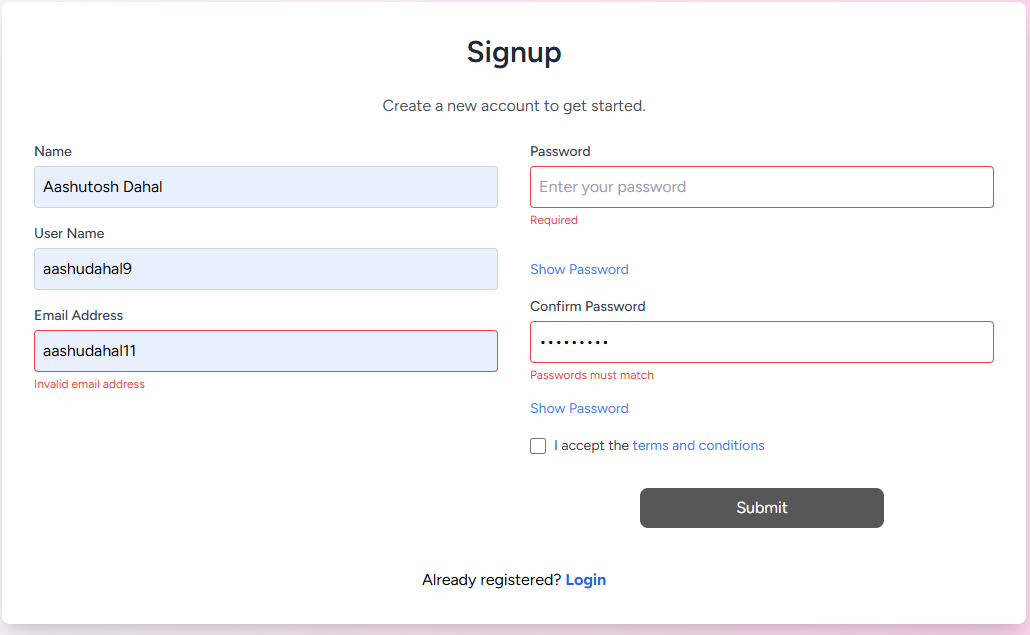
Invalid Email



Incorrect passwords

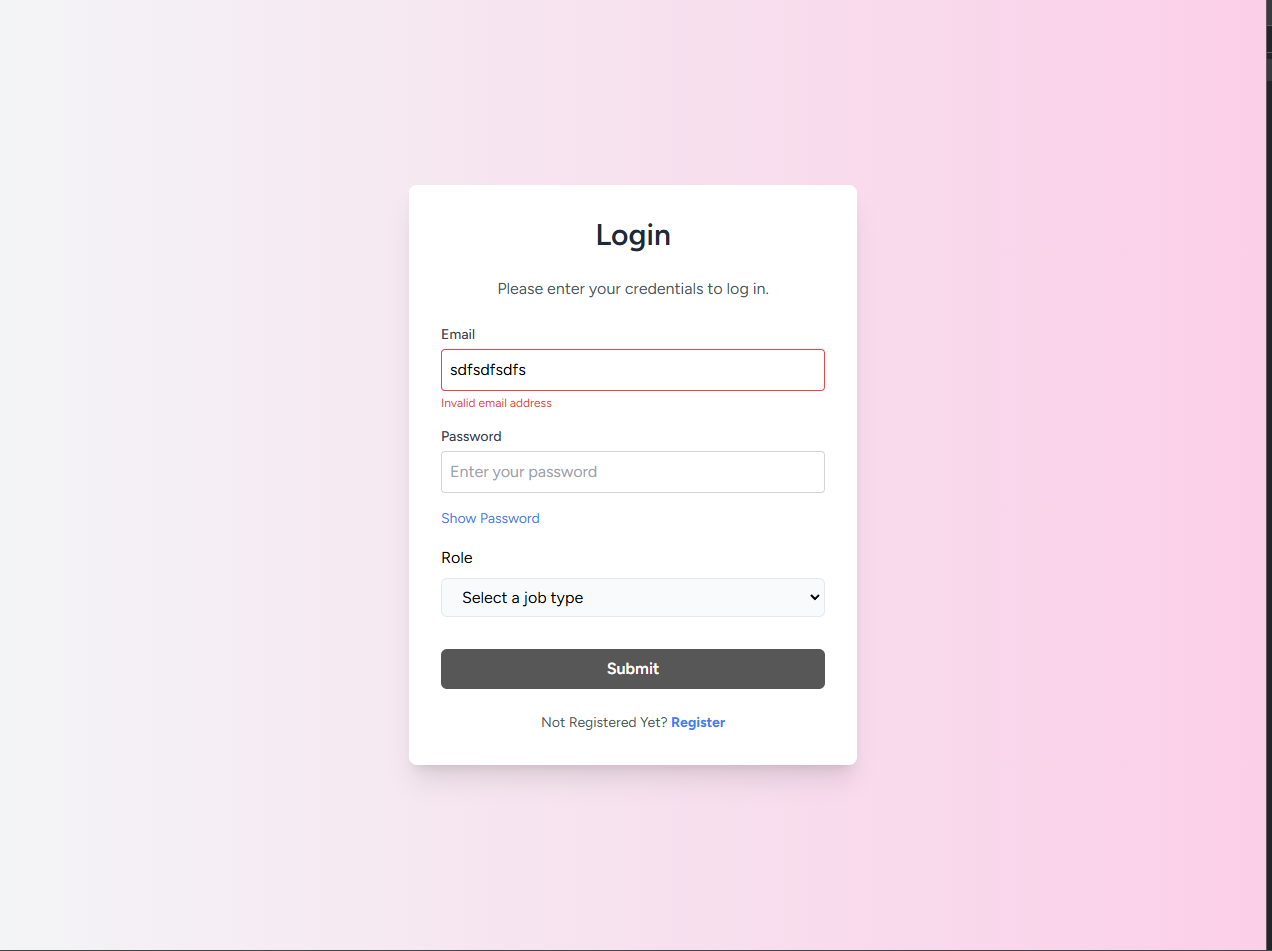


Empty Fields

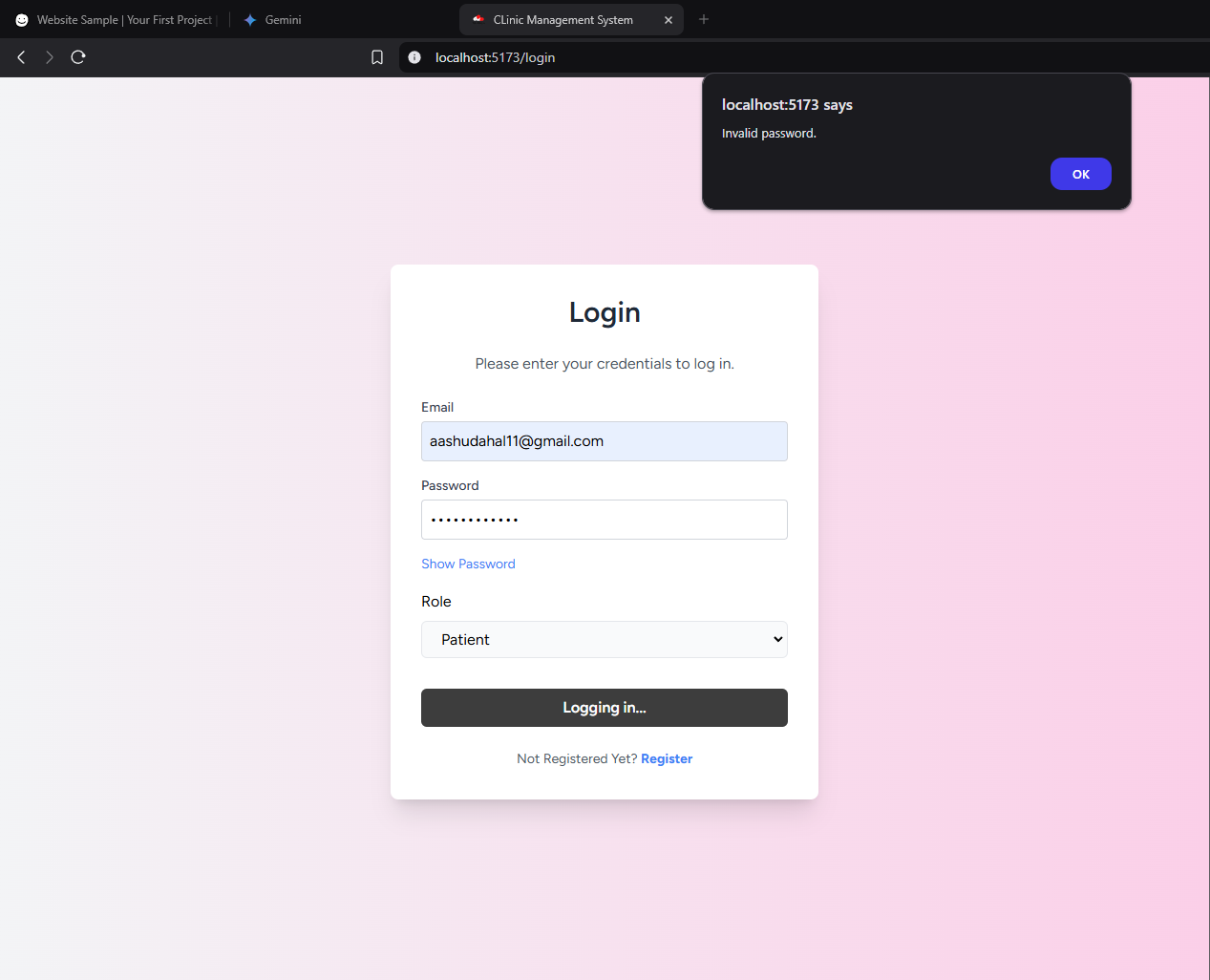


### Login

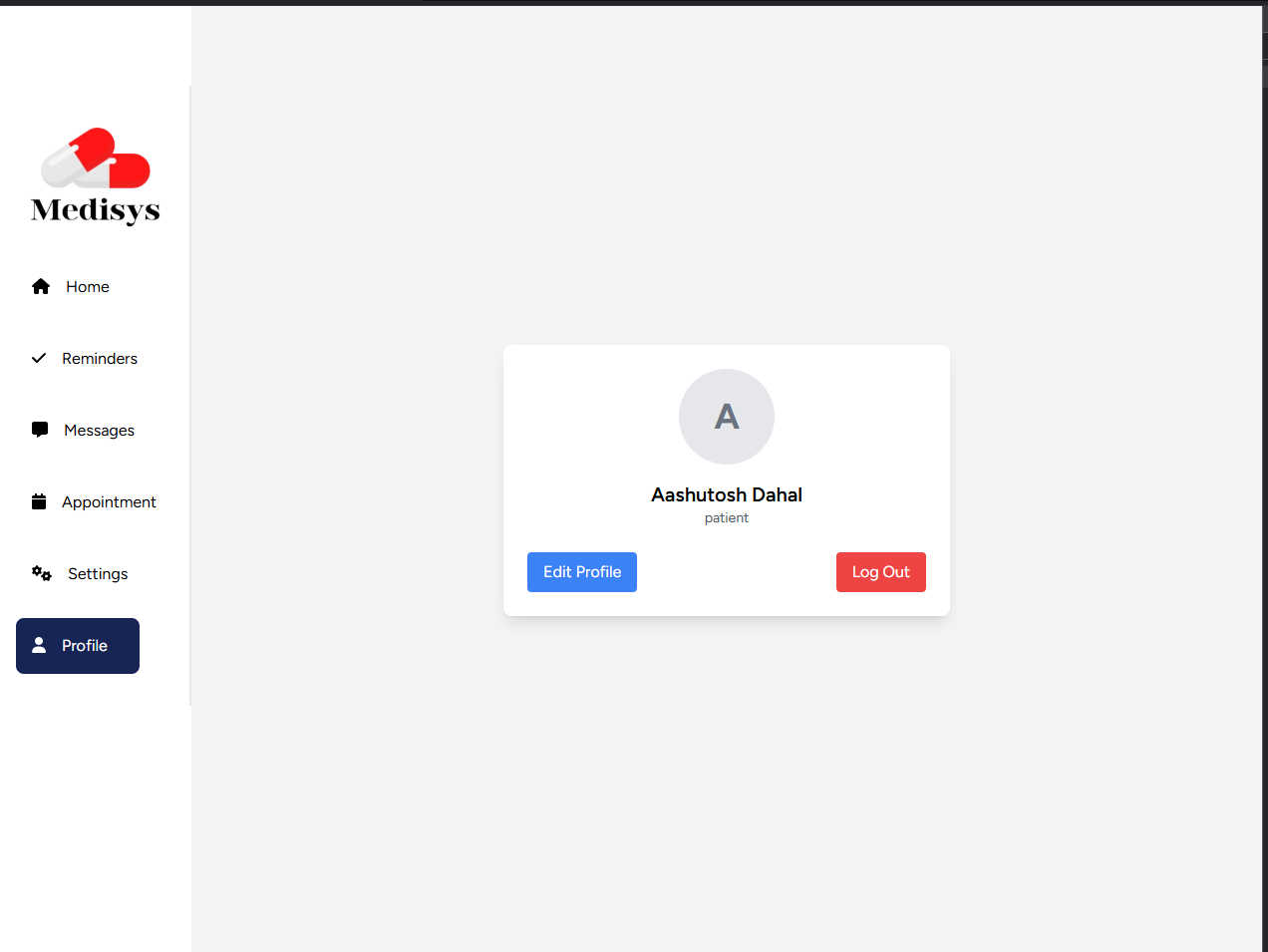
Invalid Email



Invalid Password

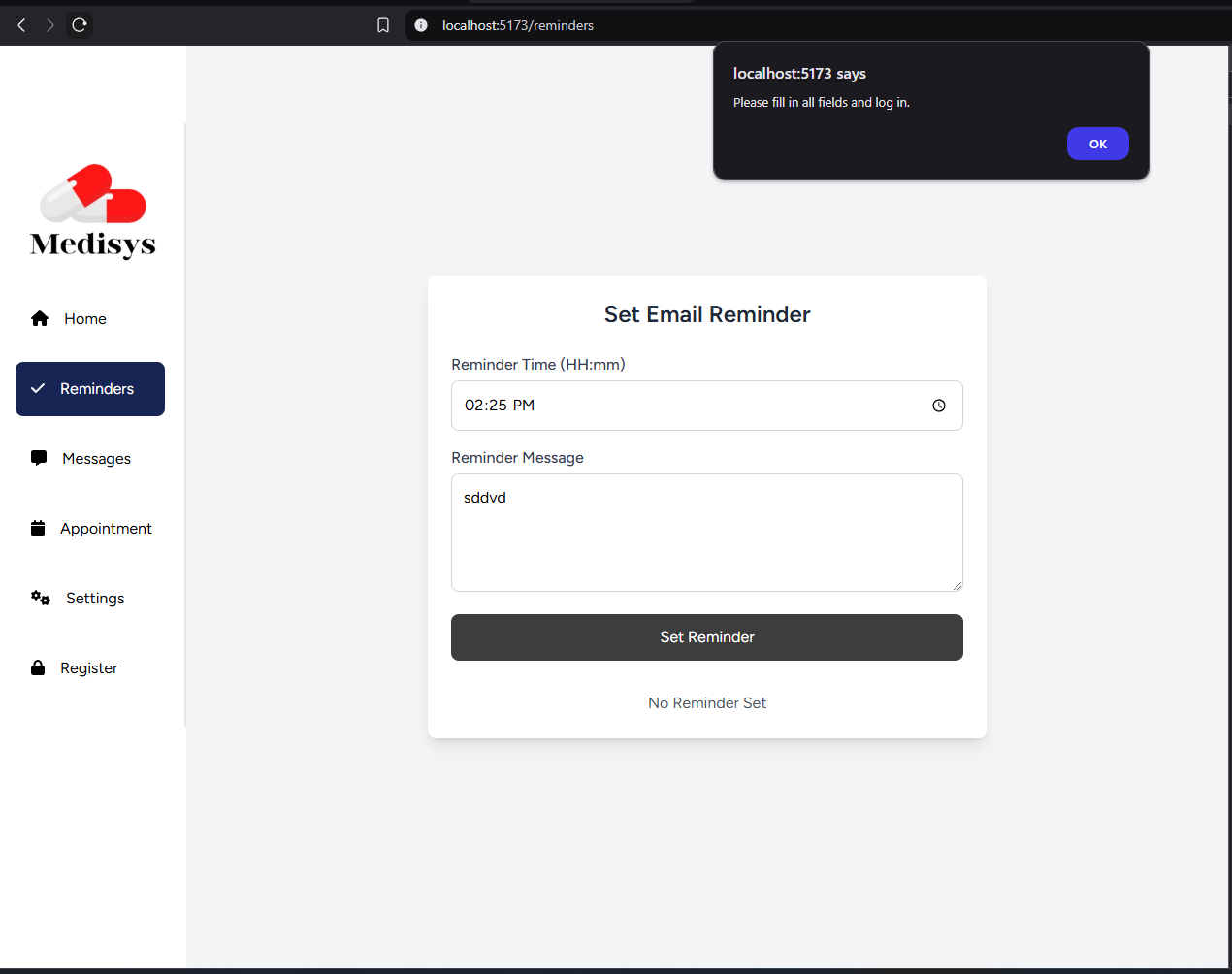


Successful Login

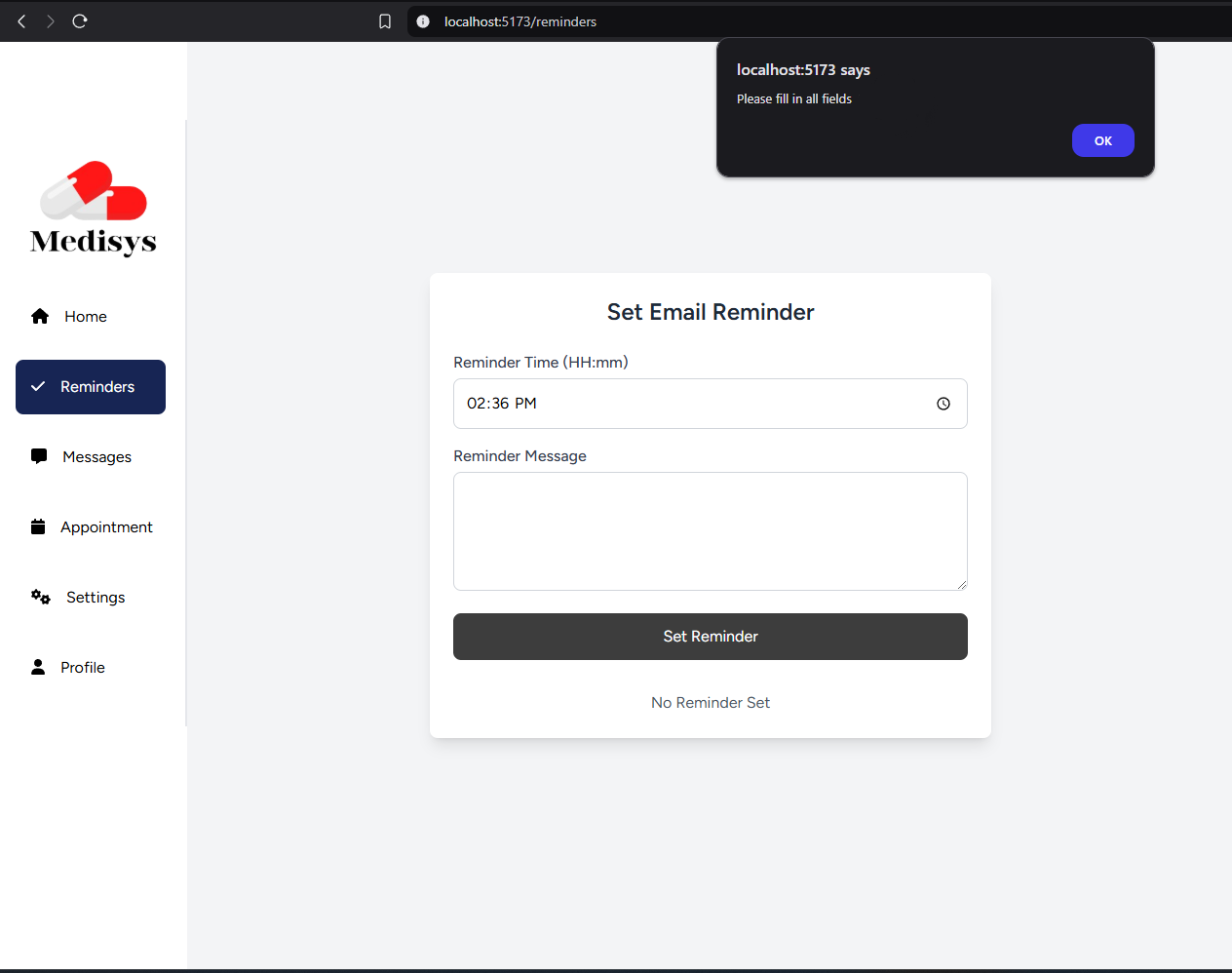


## Email Reminder

Invalid reminder setting



Empty Message box



Successful reminder

