

جامعة جدة  
University of Jeddah

# SafeHealth

Viruses Test Centre

University of Jeddah College of Computer  
Science and Engineering

Done by:

Abrar Habibullah [REDACTED]

Dana Majed [REDACTED]

Lama Ahmed [REDACTED]

Renad Hassan [REDACTED]



# SafeHealth

Viruses Test Centre

In an era of mounting health crises, where new and mysterious diseases are constantly emerging, our public healthcare systems are struggling to keep up. The constant demands of frequent medical visits take their toll on patients, especially those with physical limitations. **Our mission? Revolutionizing access to healthcare providers, making it seamless and stress-free.**



# Goals

outcomes our project aims to achieve.

- 1. Empower with Flexible Appointment Scheduling**
- 2. Integrate Diverse Testing Approaches for Remote Consultations**
- 3. Support Timely Testing and Diagnosis Initiatives**
- 4. Enhance User Interaction and Accessibility Features**
- 5. Deliver Accessible Educational Resources and Health Alerts**
- 6. Facilitate Seamless Integration of Technology and Healthcare Systems**

## **Key Features:**

What our project offers

- 1. Online Appointment Scheduling**
- 2. Educational Resources & Reminder System**
- 3. User-Friendly Interface&Privacy and Security.**
- 4. Integration with Healthcare Providers**

## **stockholders of the project :**

- 1. Investors and Venture Capitalists**
- 2. Healthcare Providers and Institutions**
- 3. Patients**
- 4. Technology Partners.**

# Functional Requirement:

1. The system allows users to **create accounts**, log in securely, and **manage personal information**.
  
2. Users can **book**, **update**, and **view** their appointments within the system.  
**Automated reminders** are sent to users prior to scheduled appointments.
  
3. The system facilitates the ordering of **virus test kits** or conducting **online assessments** as part of its testing services.
  
4. Users receive **outbreak alerts** and **health guidelines** through the system.

# Functional Requirement:

5. The system is equipped with **integrated payment** functionalities to manage financial transactions seamlessly.
6. **Administrative** functionalities are provided for **reporting, analytics, system maintenance**, and user role **management**.
7. Users have the ability to submit **feedback** on the services offered, which administrators can review to enhance service quality. Additionally, administrators can distribute both general and personalized feedback to users as needed.

# Non-Functional Requirement:

**Security**

The system must ensure safety and security of payment details

**Availability**

The system should be available for use 24/7..for servicing

**Performance**

the system should process transaction within a reasonable response time

**Usability**

The interface should be user-friendly

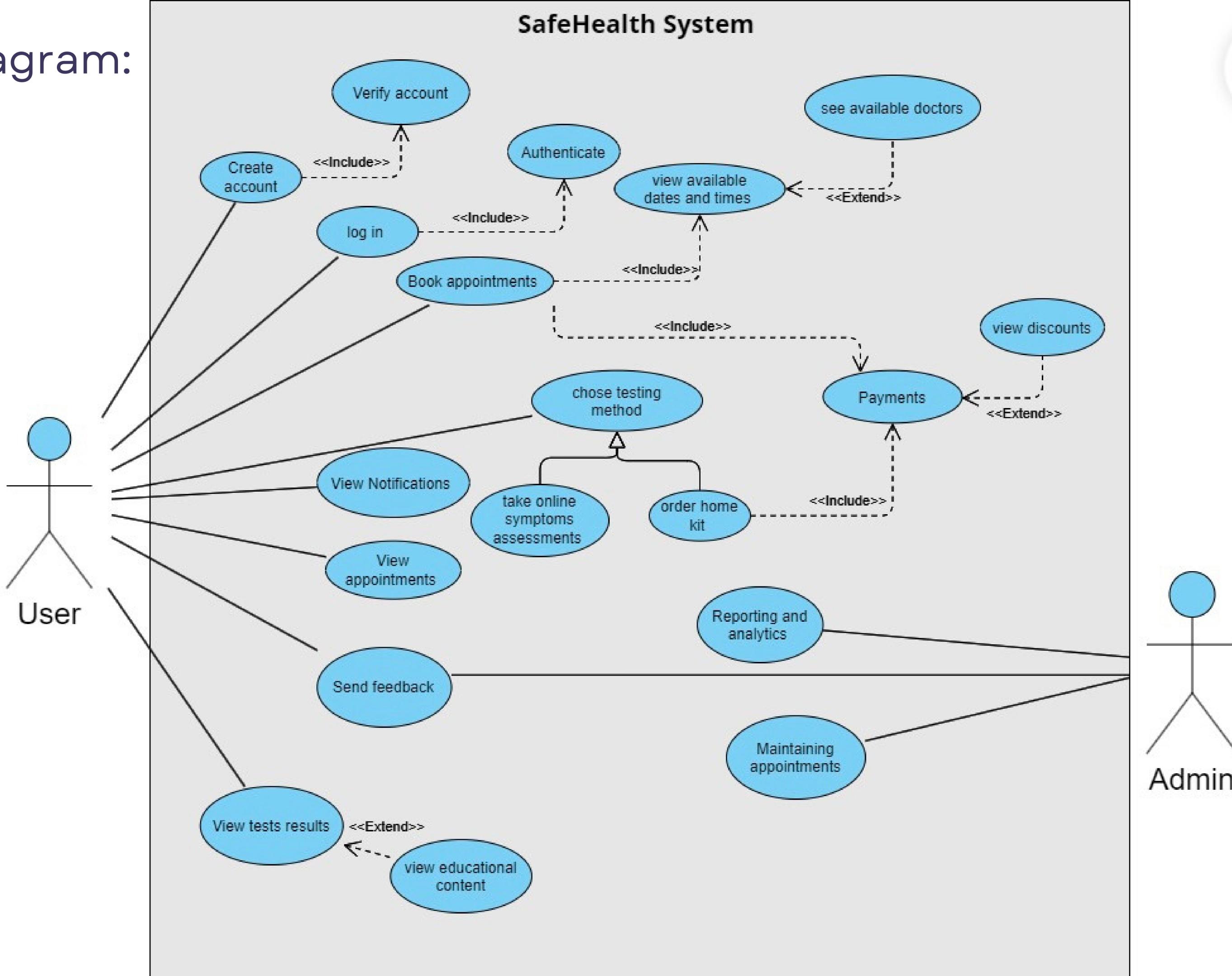
The system should provide clear instruction and feedback

**Reliability**

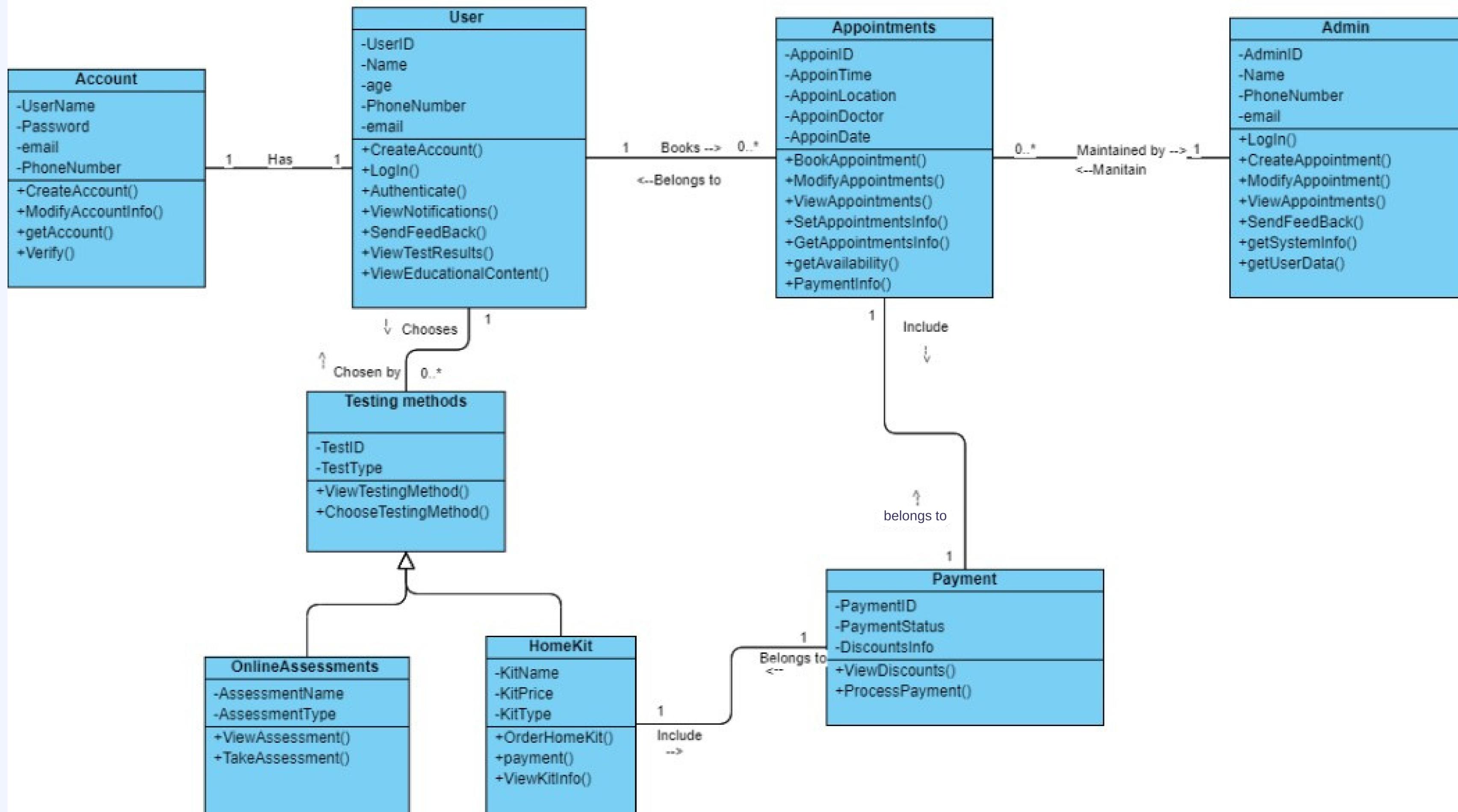
transaction without errors

# SafeHealth System

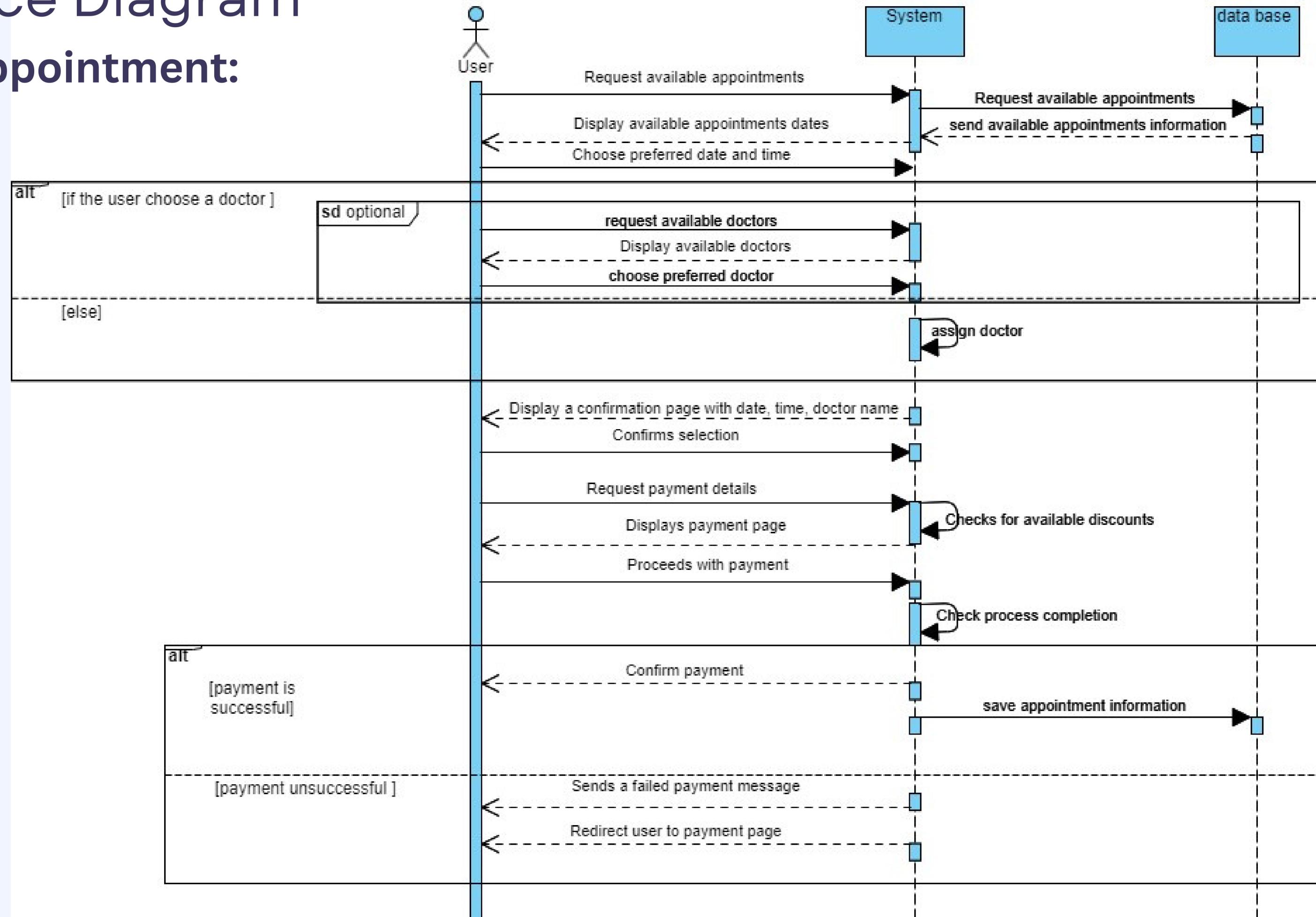
Use case diagram:



# Class diagram

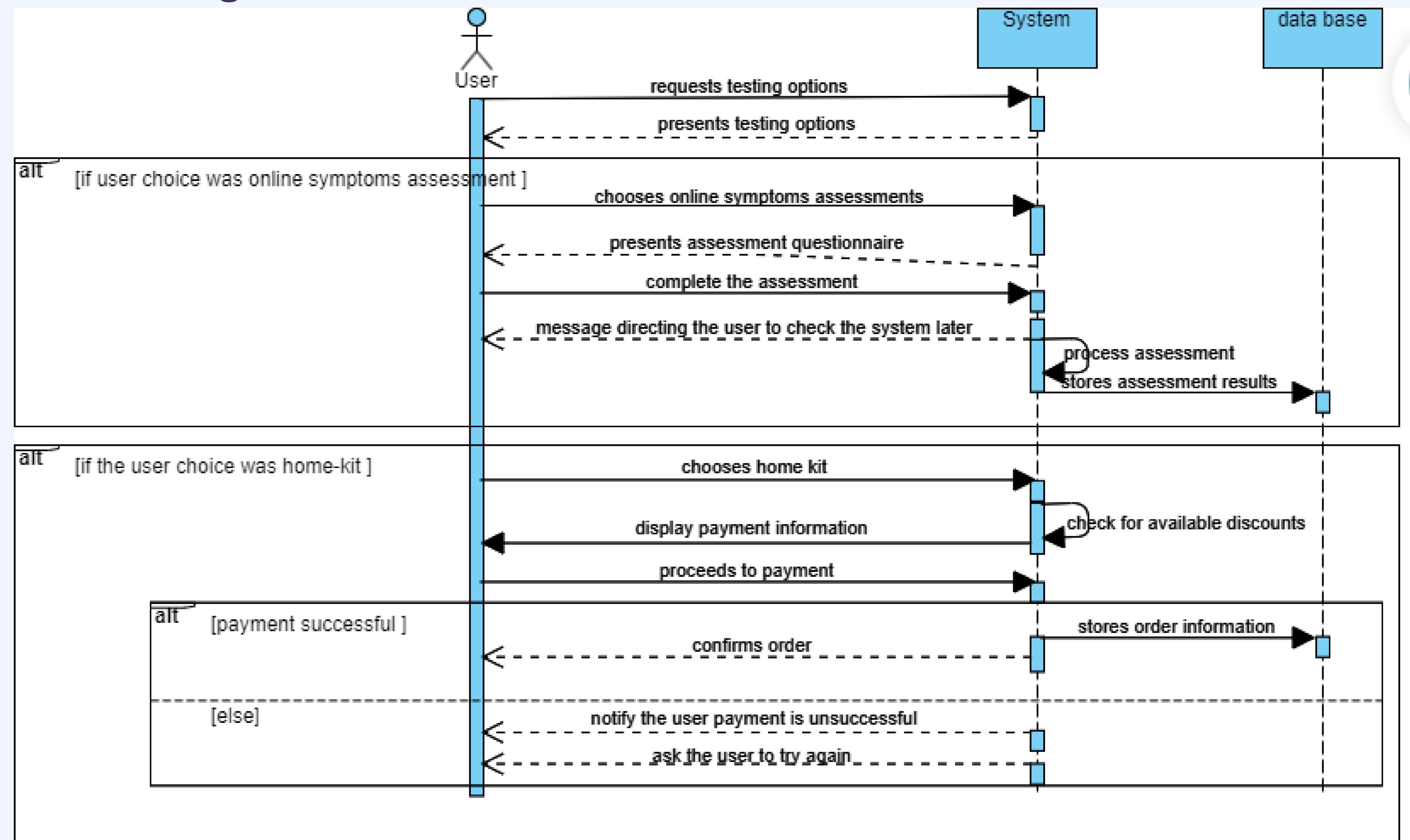


# Sequence Diagram booking appointment:



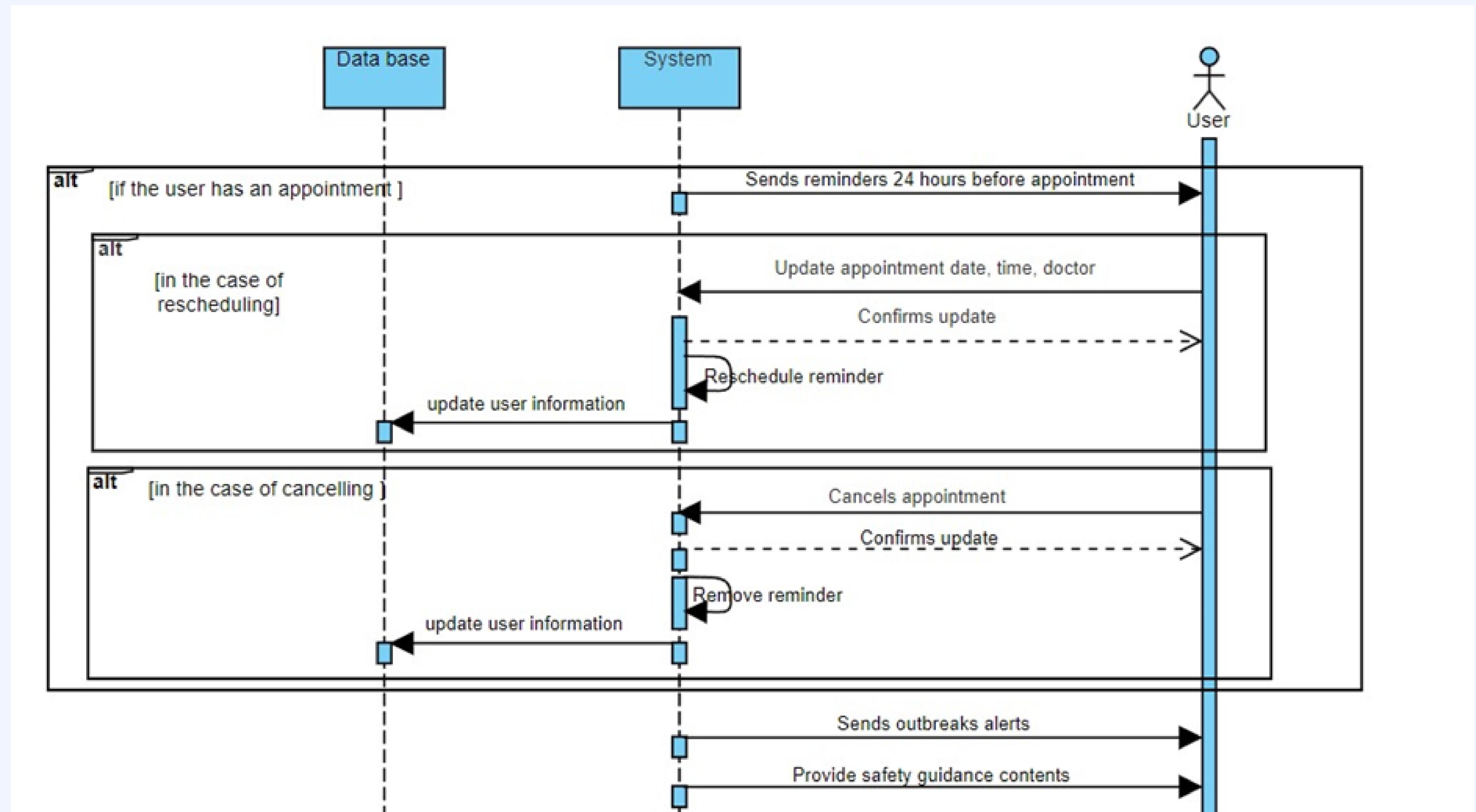
# Sequence Diagram

Choose testing method:



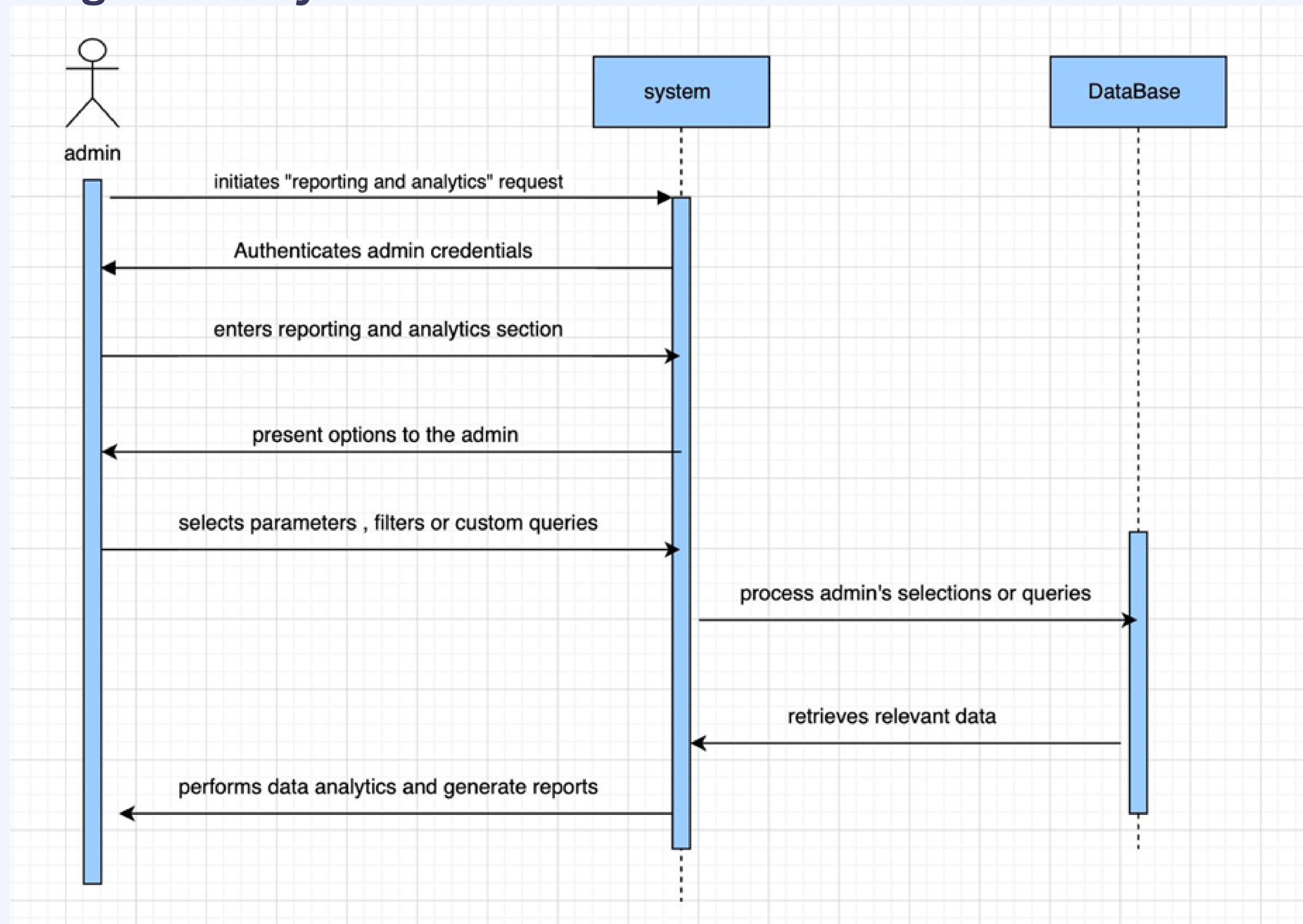
# Sequence Diagram

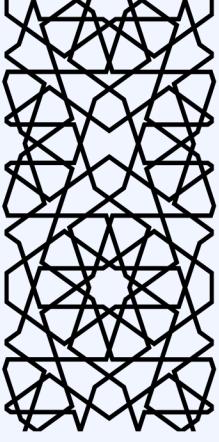
## Receive notification



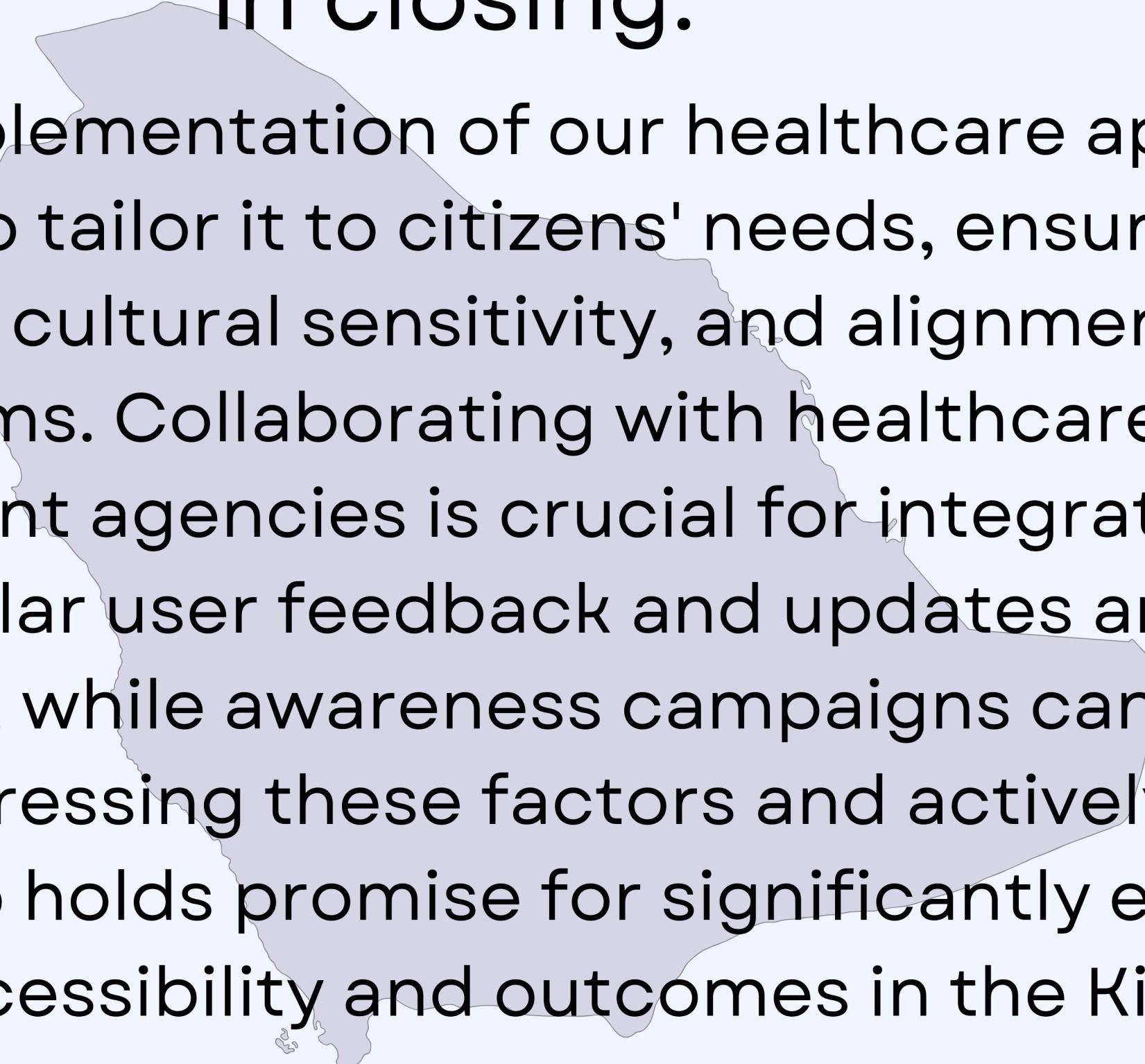
# Sequence Diagram

## Reporting and analytics





## In closing:



For effective implementation of our healthcare app in Saudi Arabia, it's vital to tailor it to citizens' needs, ensuring Arabic language support, cultural sensitivity, and alignment with local healthcare systems. Collaborating with healthcare providers and government agencies is crucial for integration and compliance. Regular user feedback and updates are essential for optimization, while awareness campaigns can promote adoption. By addressing these factors and actively involving citizens, the app holds promise for significantly enhancing healthcare accessibility and outcomes in the Kingdom.

# Thank you for your attention

feel free to ask any questions

