



MAPD 722

WINTER 2024

PROJECT MILESTONE

1

Group 12

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Project Description:

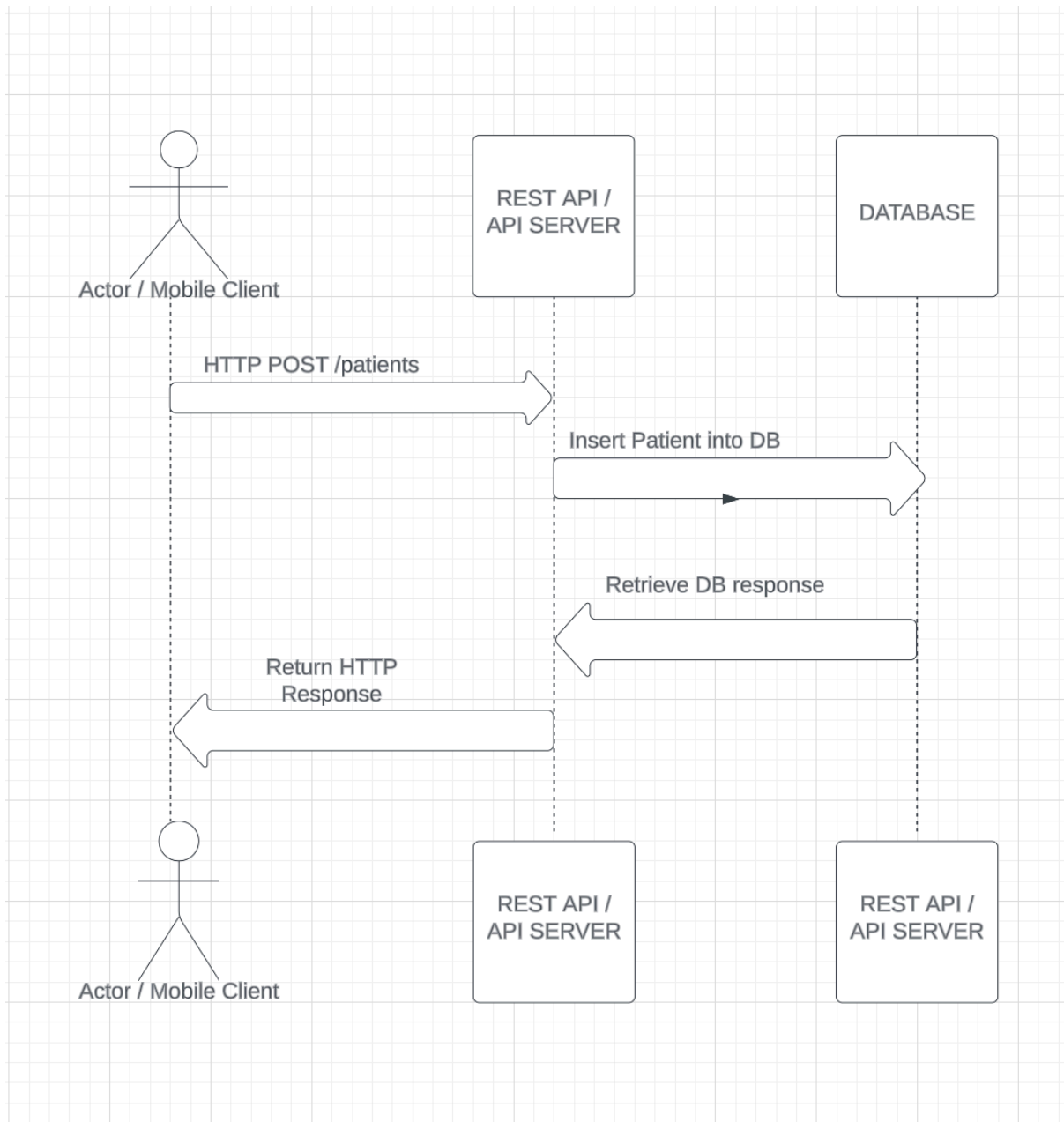
We are developing a Flutter-based mobile application for healthcare providers, such as nurses and doctors, working within a hospital setting. This app will complement our REST API Service by providing a user-friendly interface for efficient access to critical patient information, thereby enhancing the quality of care provided to patients.

Use Cases / Functionality:

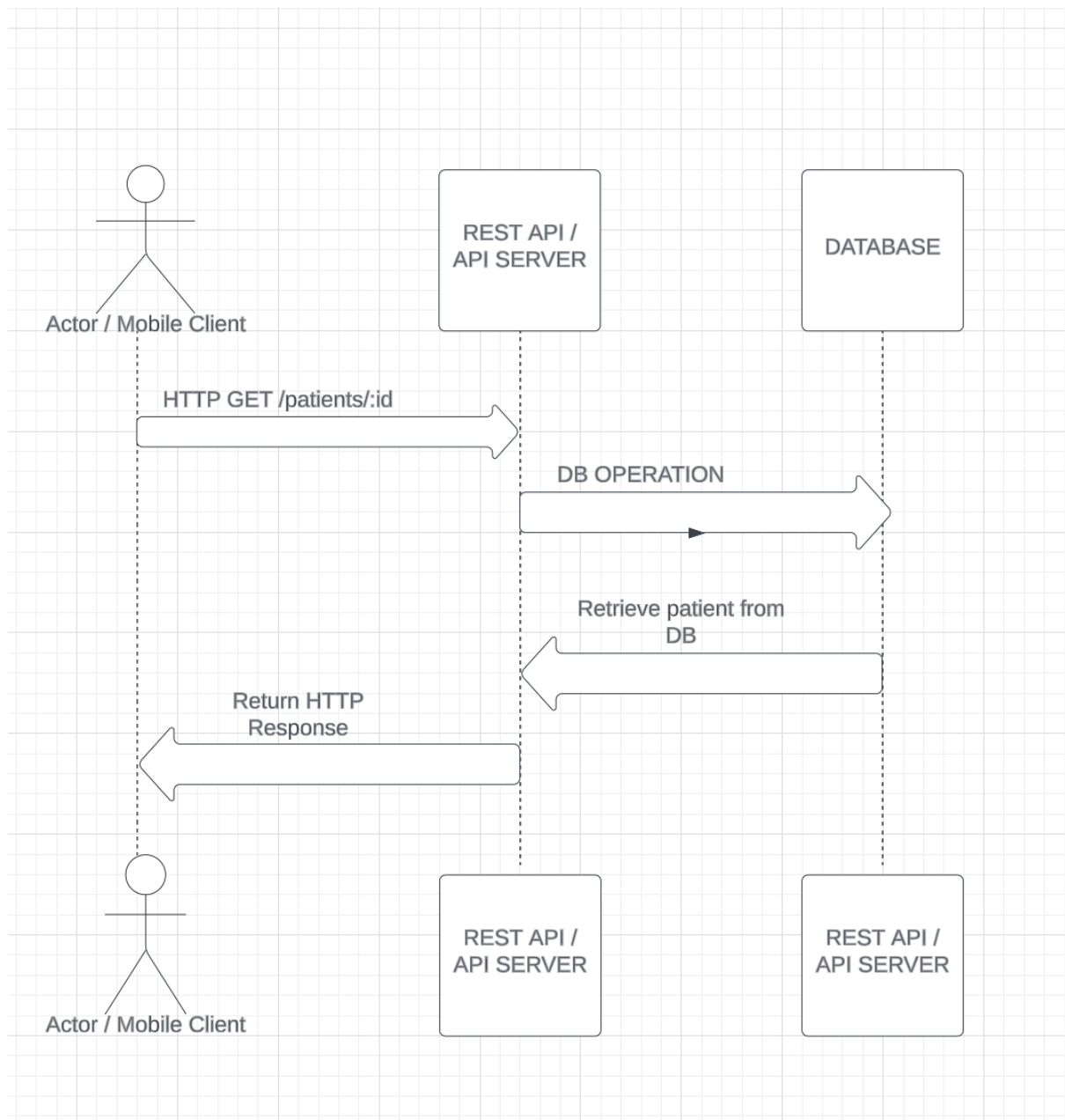
1. **Add Patient Info:** Healthcare providers can add patient general information to the system. These details can include age, gender, etc.
2. **View Patient Info:** Healthcare providers can retrieve and view specific patient information that has been previously stored in the system.
3. **List all Patients Info:** Healthcare providers can retrieve a list of all patients' general information currently available in the system.
4. **Update Patient Info:** Healthcare providers should be able to update patient's general information if there are changes or corrections needed. This use case allows for the modification of data such as name, age, gender, blood pressure, blood oxygen, body temperature
5. **Delete Patient Info:** In certain scenarios, healthcare providers may need to remove a patient's information from the system, for example, if the patient has been discharged or if the record was created in error. This use case allows for the deletion of patient general information.

Sequence Diagrams:

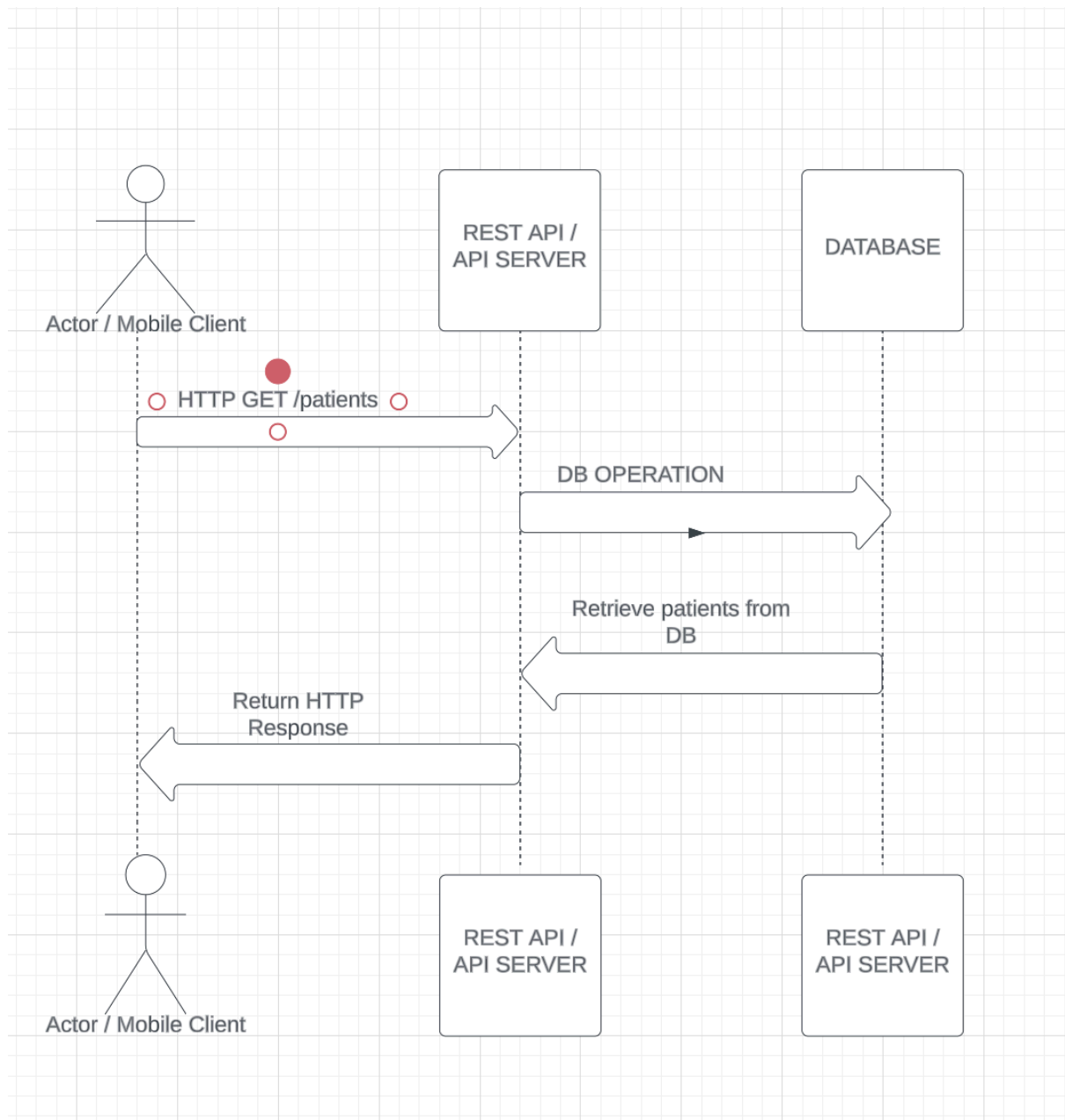
Add Patient Info



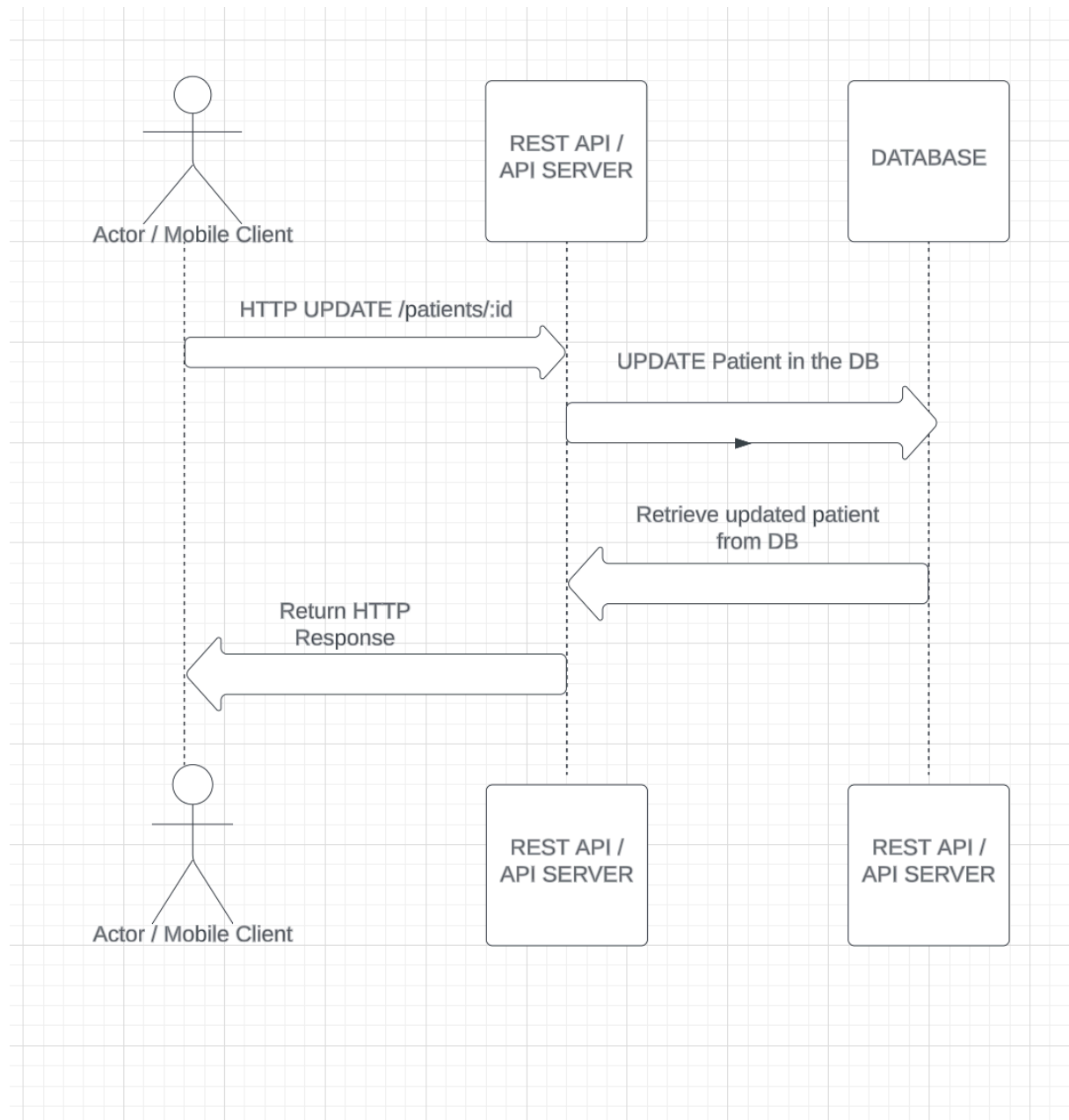
View Patient Info



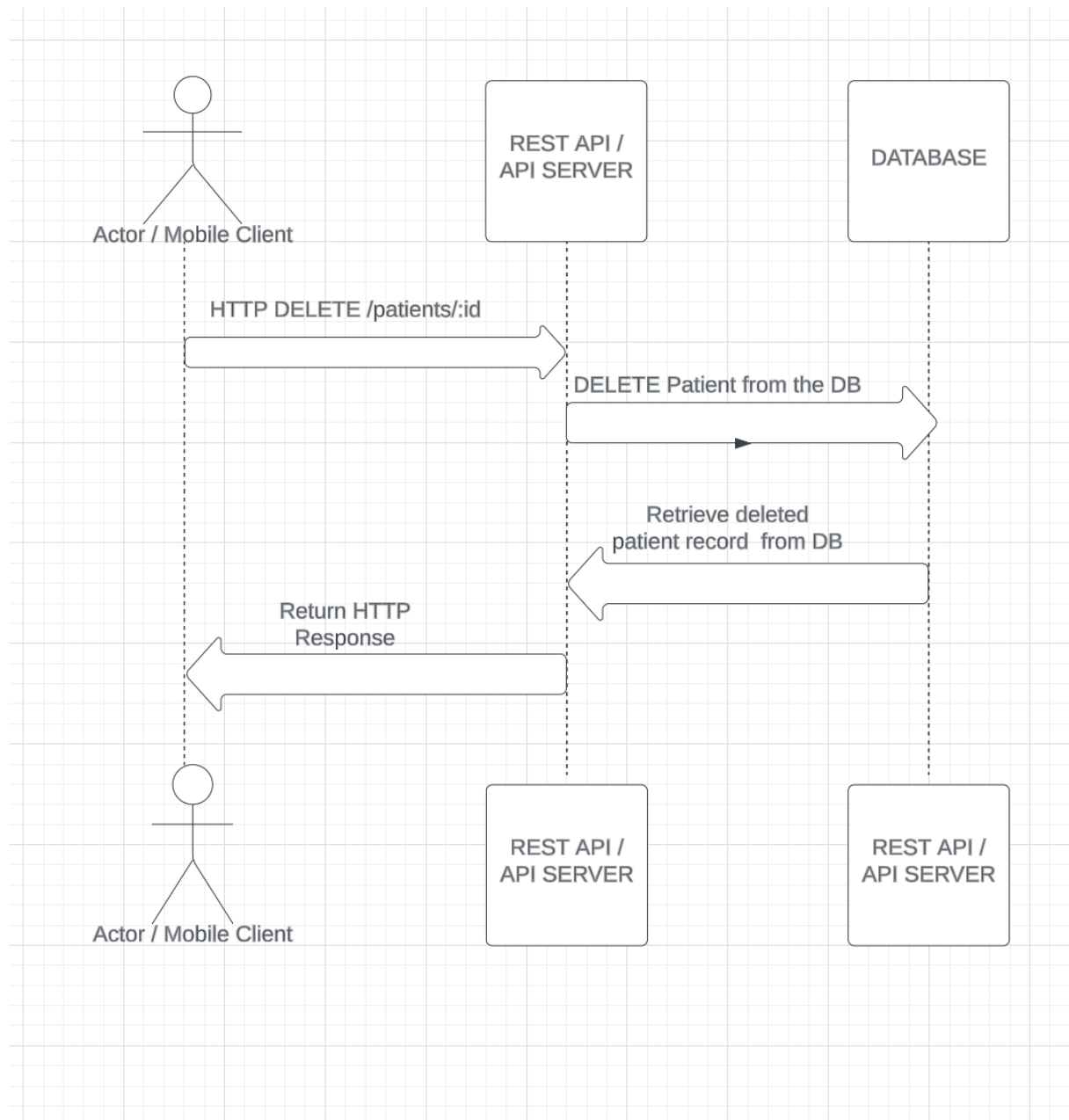
List all Patients Info



Update Patient Info



Delete Patient Info



Use Cases, Functionality, and Mockups:

1. **Add Patient Info:** Healthcare providers can add patient general information to the system. These details can include age, gender, genotype, blood group, contact details, medications, allergies, etc.

The screenshot shows a mobile application interface for adding a new patient. The screen is titled "New Patient" and features a back arrow in the top left corner. The status bar at the top displays the time as 10:00 and includes a "DEBUG" label. The form is organized into several sections: "Name" with a text input field labeled "Enter patient name"; "Age" with a text input field labeled "Enter age"; "Address" with a text input field labeled "Enter address"; "Phone Number" with a text input field labeled "Enter phone number"; "Clinical Data" which includes four input fields for "Blood Pressure (mmH...", "Respiratory Rate (bre...", "Oxygen Saturation (%)", and "Heart Rate (bpm)"; "Body Temperature (°F)" with a text input field; and "Gender" with two radio button options, "Male" and "Female". A red "DEBUG" label is visible in the top right corner of the app window.

10:00

← New Patient

Name

Enter patient name

Age

Enter age

Address

Enter address

Phone Number

Enter phone number

Clinical Data

Blood Pressure (mmH... Respiratory Rate (bre...

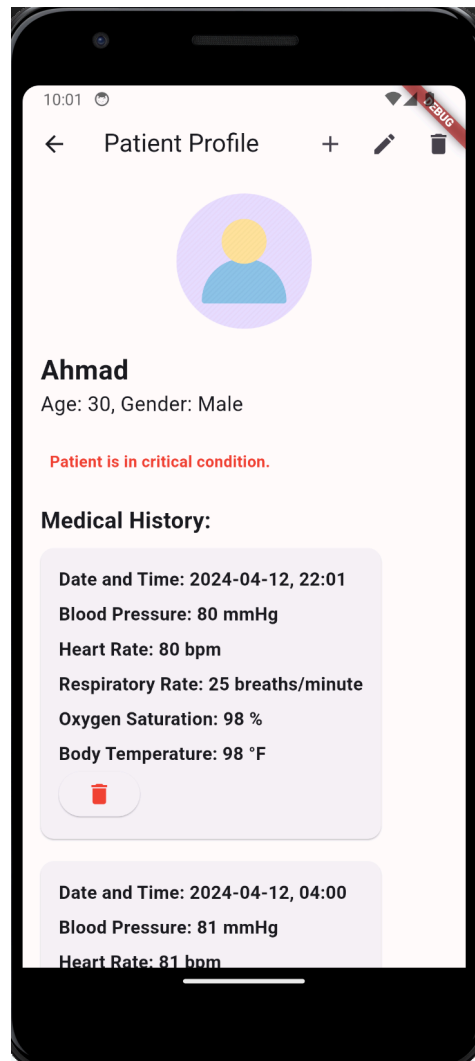
Oxygen Saturation (%) Heart Rate (bpm)

Body Temperature (°F)

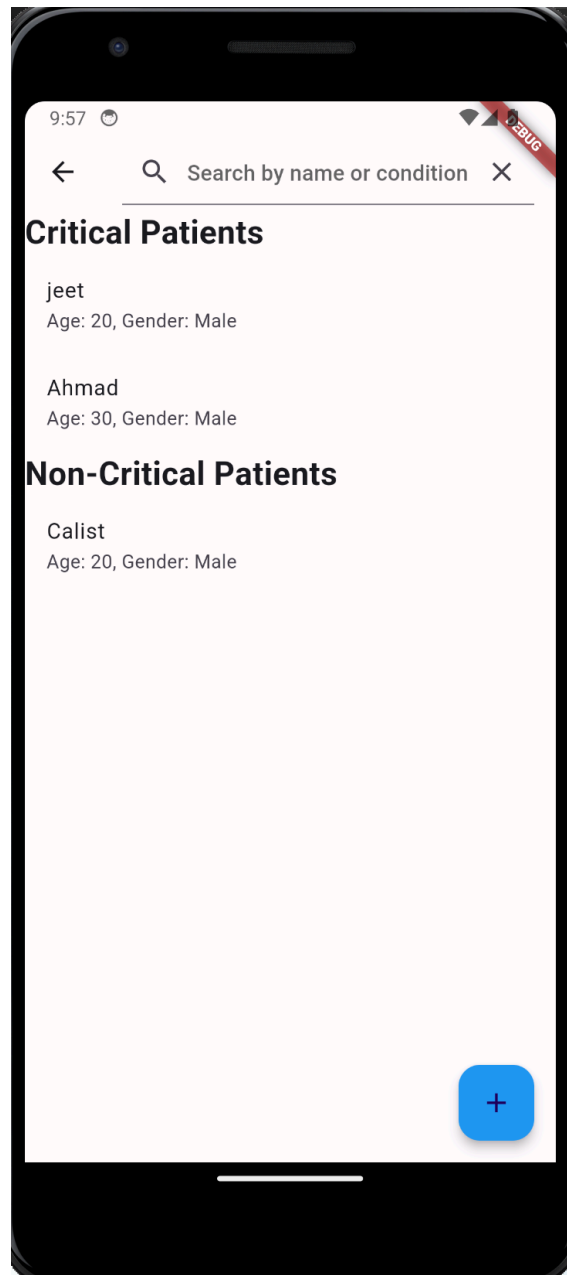
Gender

☐ Male ☐ Female

2. **View Patient Info:** Healthcare providers can retrieve and view specific patient information that has been previously stored in the system.



3. **List all Patients Info:** Healthcare providers can retrieve a list of all patients' general information currently available in the system.



4. **Edit Patient Info:** Healthcare providers should be able to update patients' general information if there are changes or corrections needed. This use case allows for the modification of data such as name, age, gender, genotype, blood group, contact details, medications, and allergies for an existing patient.

