KIDDOGUARD

Child Vaccination Management System

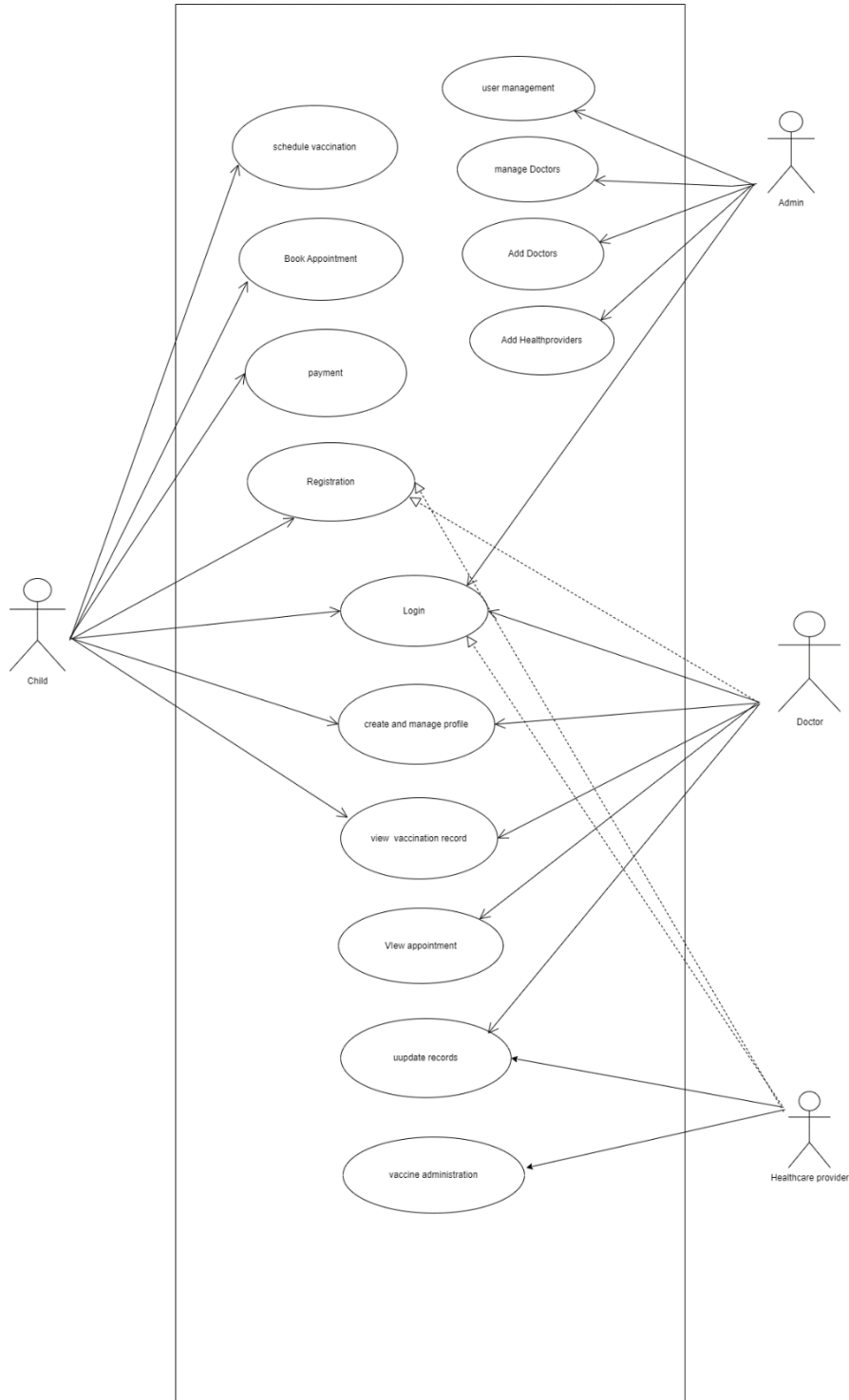**Submitted by** :- Althaf Shajahan
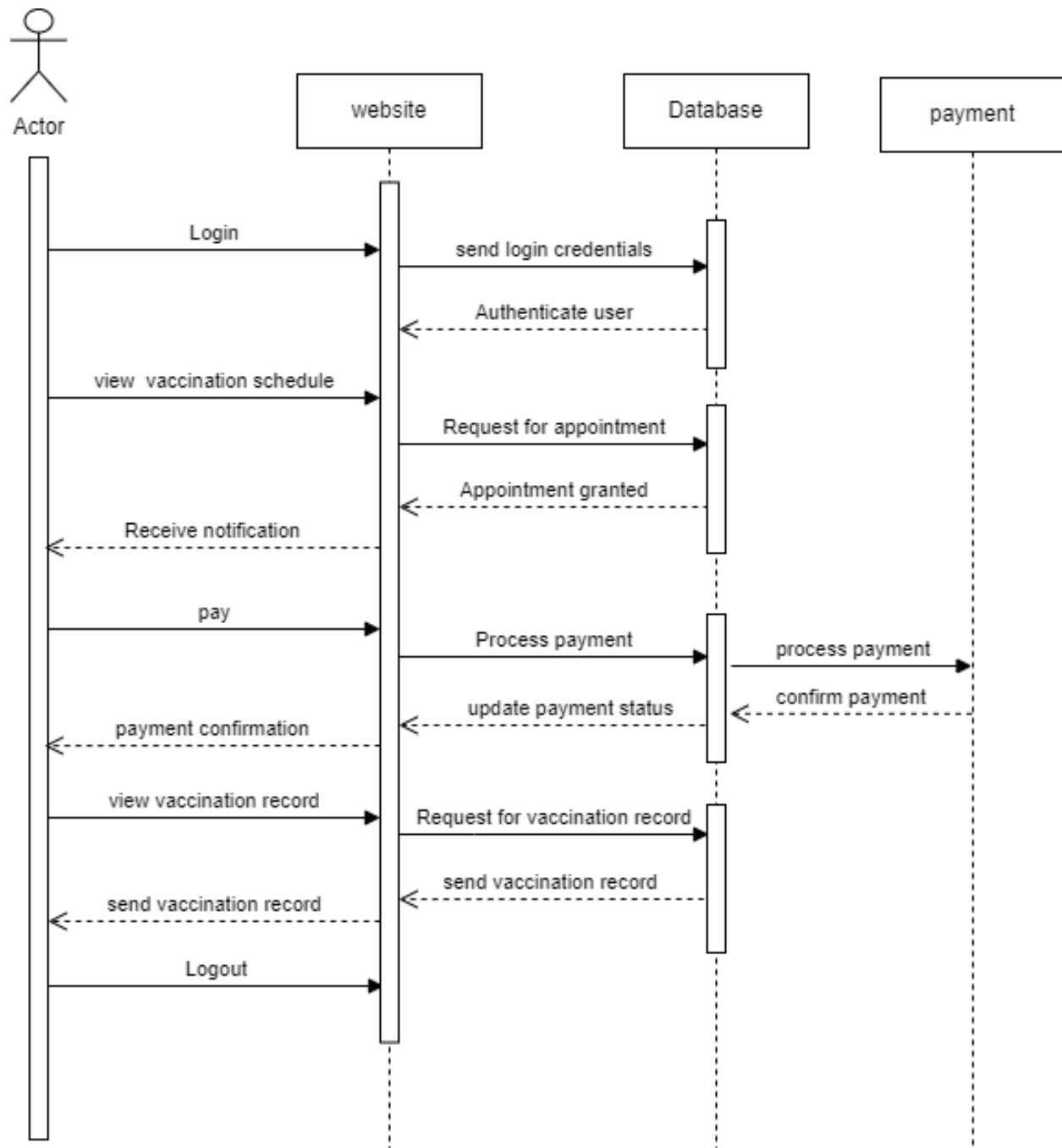**Roll No** :- 12
Batch :- S4 RMCA

Date :- 06/02/2024
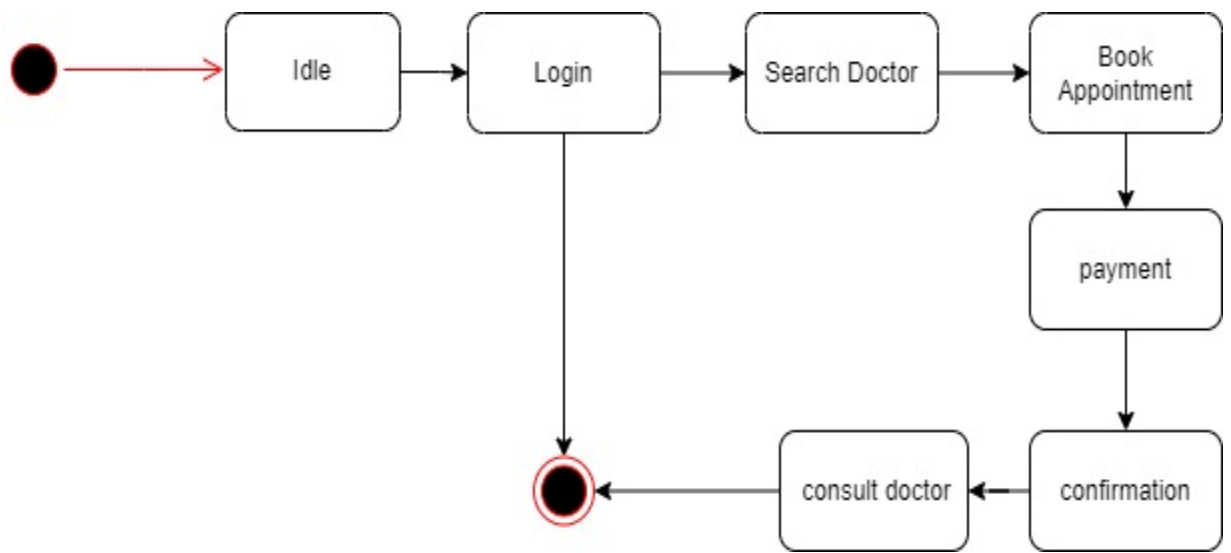**Guide** :- Mr Jobin.T.J

UML Diagrams

1. Use Case Diagram
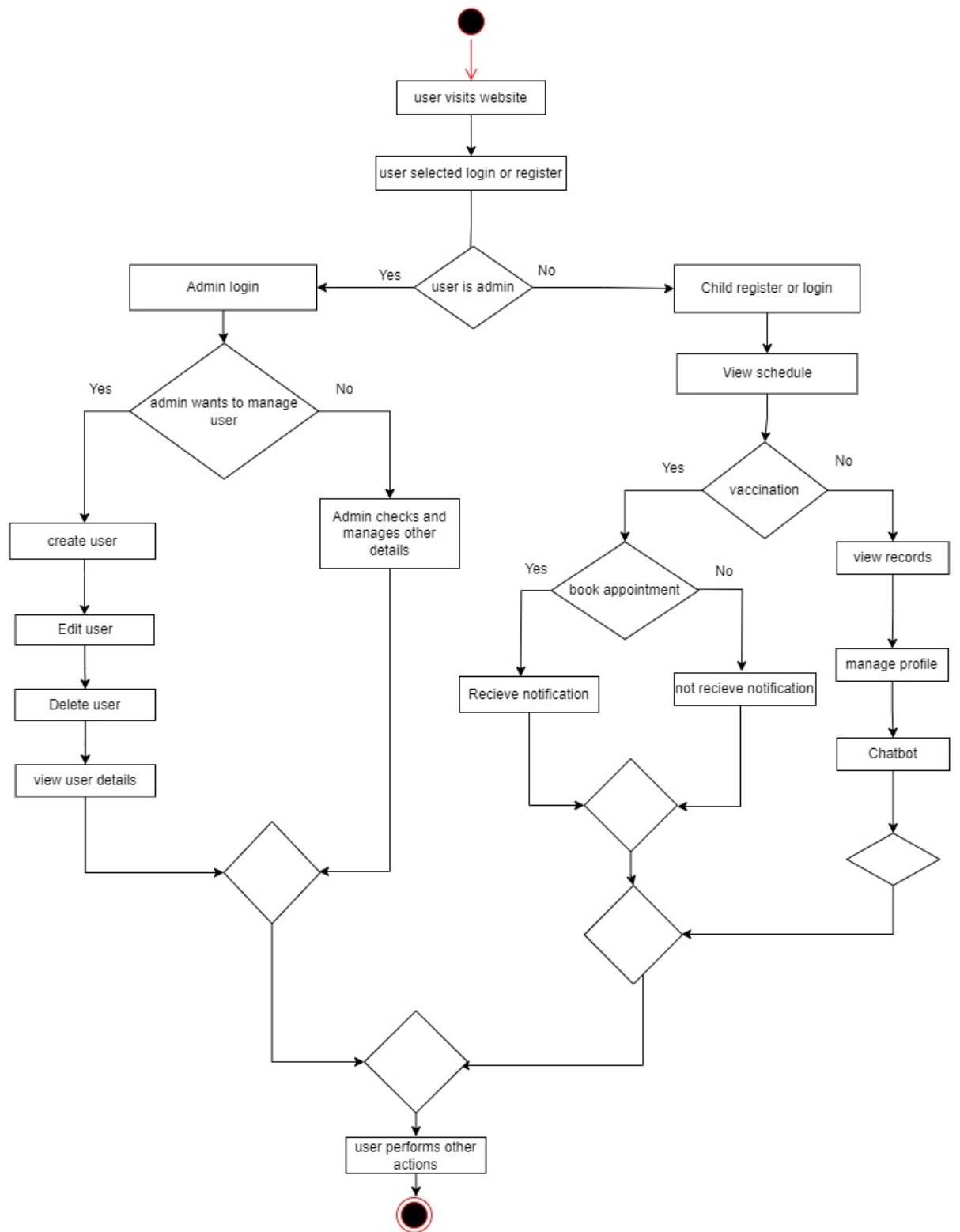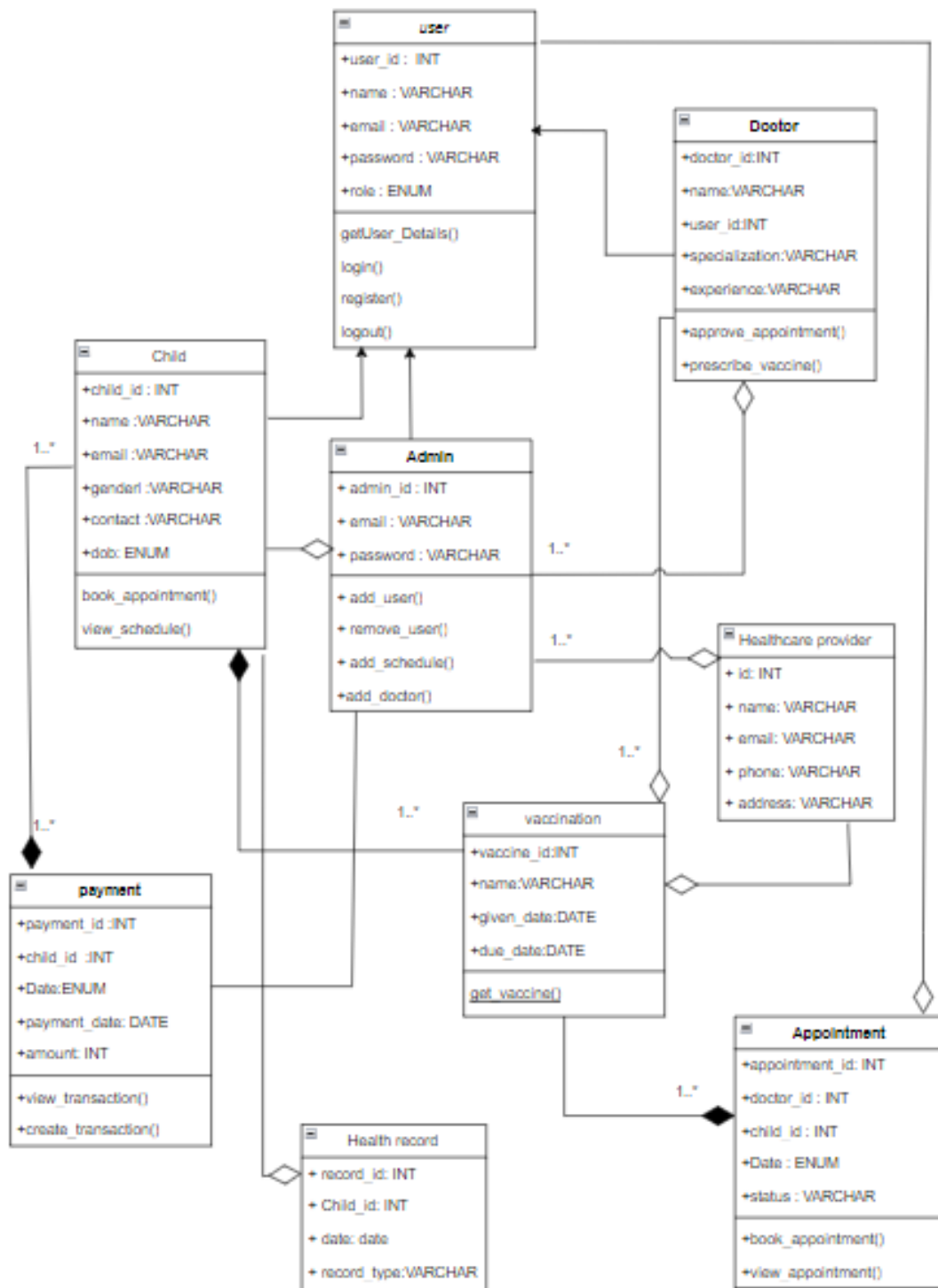
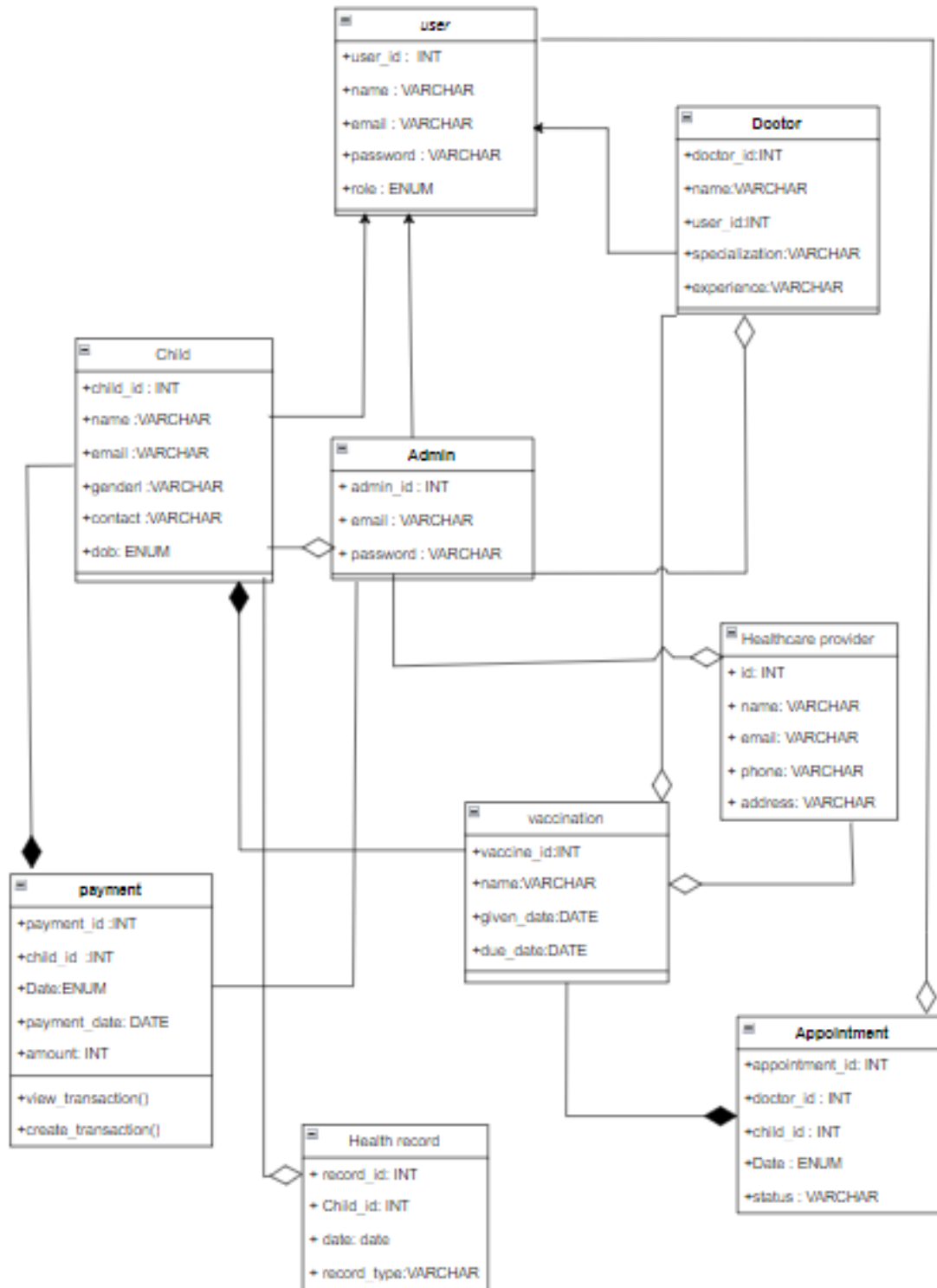## 2. **Sequences Diagram**

3. State Diagram

4. Activity Diagram

```
                              ●
                              │
                              ▼
                    ┌──────────────────┐
                    │ user visits website │
                    └──────────────────┘
                              │
                              ▼
                 ┌──────────────────────────┐
                 │ user selected login or register │
                 └──────────────────────────┘
                              │
                              ▼
     ┌───────────┐   Yes    ◇           No   ┌──────────────────────┐
     │ Admin login │◄────────│ user is admin │────────►│ Child register or login │
     └───────────┘          ◇                └──────────────────────┘
           │                                              │
           ▼                                              ▼
  Yes     ◇        No                              ┌─────────────┐
 ┌───────│ admin wants to manage │──────┐          │ View schedule │
 │       │       user          │        │          └─────────────┘
 │       ◇                      │               │
 │                              ▼        Yes    ◇        No
 ▼                   ┌──────────────────┐   ┌──────│ vaccination │──────┐
┌───────────┐         │ Admin checks and │   │      ◇                    │
│ create user │        │ manages other    │   │                          ▼
└───────────┘         │ details          │   │                   ┌─────────────┐
      │                └──────────────────┘   ▼                   │ view records │
      ▼                           │     Yes  ◇  No                └─────────────┘
┌───────────┐                     │  ┌────│ book │────┐                │
│ Edit user │                     │  │    │appoint-│   │               ▼
└───────────┘                     │  │    │ ment  │   │        ┌─────────────┐
      │                           │  │    ◇         │        │ manage profile │
      ▼                           │  ▼              ▼        └─────────────┘
┌───────────┐                     │ ┌──────────┐ ┌──────────────┐      │
│ Delete user │                   │ │ Recieve  │ │ not recieve   │     ▼
└───────────┘                     │ │notification│ │ notification │ ┌─────────┐
      │                           │ └──────────┘ └──────────────┘ │ Chatbot │
      ▼                           │       │            │          └─────────┘
┌──────────────┐                  │       └───►◇◄──────┘               │
│ view user details │             │            │                       ▼
└──────────────┘                  │            ▼                      ◇
      │                           │            ◇
      └───────►◇◄─────────────────┘            │
              │                                ◄────────────────◇
              │
              └───────────────►◇◄──────────────────────────────┘
                               │
                               ▼
                    ┌──────────────────┐
                    │ user performs other │
                    │     actions        │
                    └──────────────────┘
                               │
                               ▼
                              ◉
```

5.Class Diagram

6.Object Diagram

user
+user_id : INT
+name : VARCHAR
+email : VARCHAR
+password : VARCHAR
+role : ENUM

Doctor
+doctor_id:INT
+name:VARCHAR
+user_id:INT
+specialization:VARCHAR
+experience:VARCHAR

Child
+child_id : INT
+name :VARCHAR
+email :VARCHAR
+genderl :VARCHAR
+contact :VARCHAR
+dob: ENUM

Admin
+ admin_id : INT
+ email : VARCHAR
+ password : VARCHAR

Healthcare provider
+ id: INT
+ name: VARCHAR
+ email: VARCHAR
+ phone: VARCHAR
+ address: VARCHAR

vaccination
+vaccine_id:INT
+name:VARCHAR
+given_date:DATE
+due_date:DATE

payment
+payment_id :INT
+child_id :INT
+Date:ENUM
+payment_date: DATE
+amount: INT

+view_transaction()
+create_transaction()

Appointment
+appointment_id: INT
+doctor_id : INT
+child_id : INT
+Date : ENUM
+status : VARCHAR

Health record
+ record_id: INT
+ Child_id: INT
+ date: date
+ record_type:VARCHAR

7.Component Diagram

8.Deployment Diagram

Connection

Modem

Internet

Browser

Nodes

Server

Server

Server