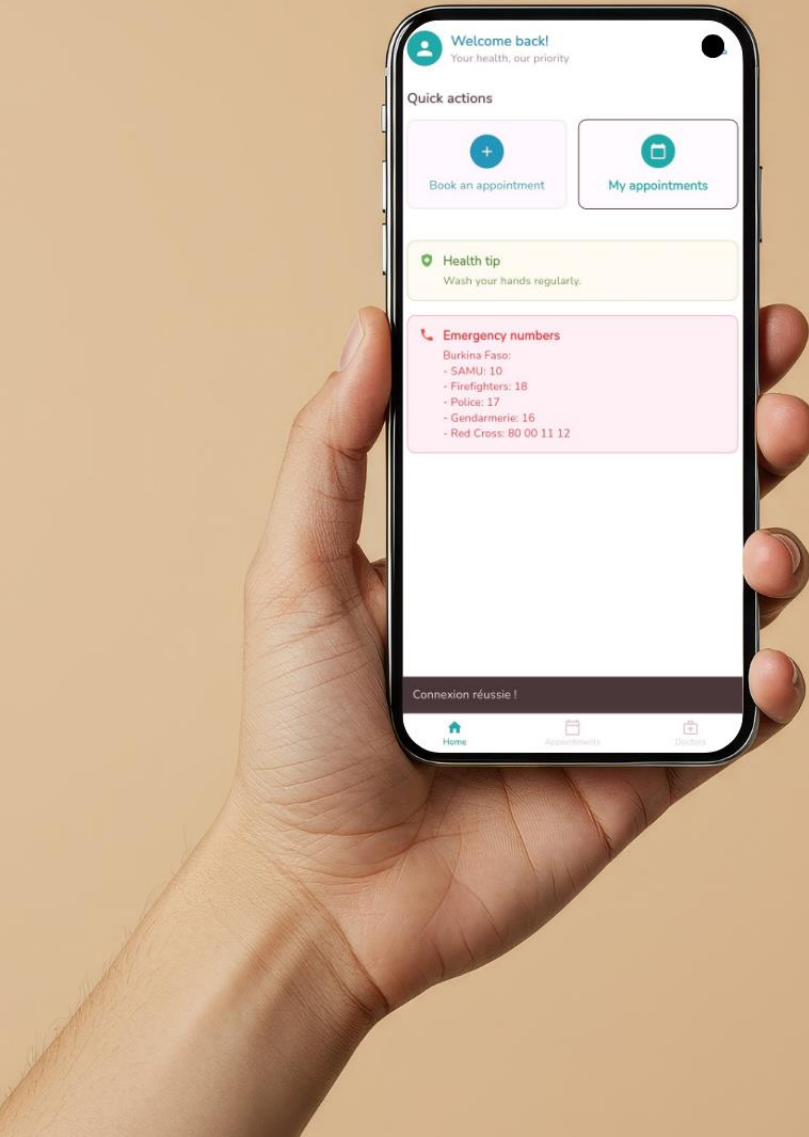


# USER MANUAL



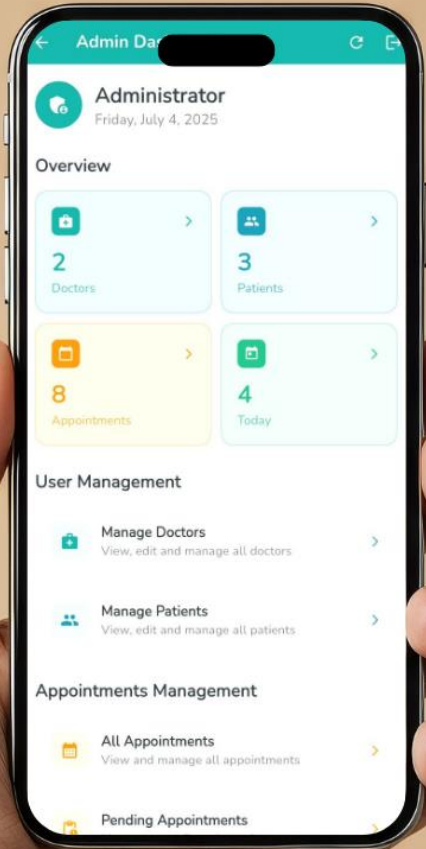
# Caretime

Medical appointment booking/scheduler application



**By:**

- GUISSOU Ali
- MADIEGA Aida
- OUGDA Ibrahim



# Caretime

Caretime is an intuitive and secure mobile application that makes it easier to schedule medical appointments. It is aimed at three types of users:

- Patients , who can book and track their appointments.
- Doctors , who can manage their availability.
- Administrators , who oversee the entire system.

## By:

- GUISSOU Ali
- MADIEGA Aida
- OUGDA Ibrahim

# Guide by role

## Patient

### Available features:

- Create an account with email and password
- Log in to the app
- Search for doctors by specialty
- Book an appointment according to available slots
- View appointment history
- Cancel an upcoming appointment

### Key steps:

1. Register via the "Create an account" form
2. Log in
3. Choosing a doctor
4. Select an available slot
5. Confirm the reservation
6. Track appointments from the home page

## Doctor

### Available features:

- Log in with your credentials
- Define your available slots for consultations
- View booked appointments
- Accept or decline an appointment
- View patient profiles (basic information)

### Key steps:

1. Log in
2. Access the "My Availability" tab
3. Add or modify time slots
4. Access the "My appointments" tab
5. Manage reservations

## Administrator

### Available features:

- Log in with an admin account
- View the list of all users (patients and doctors)
- Delete or disable user accounts
- View general system statistics

### Key steps:

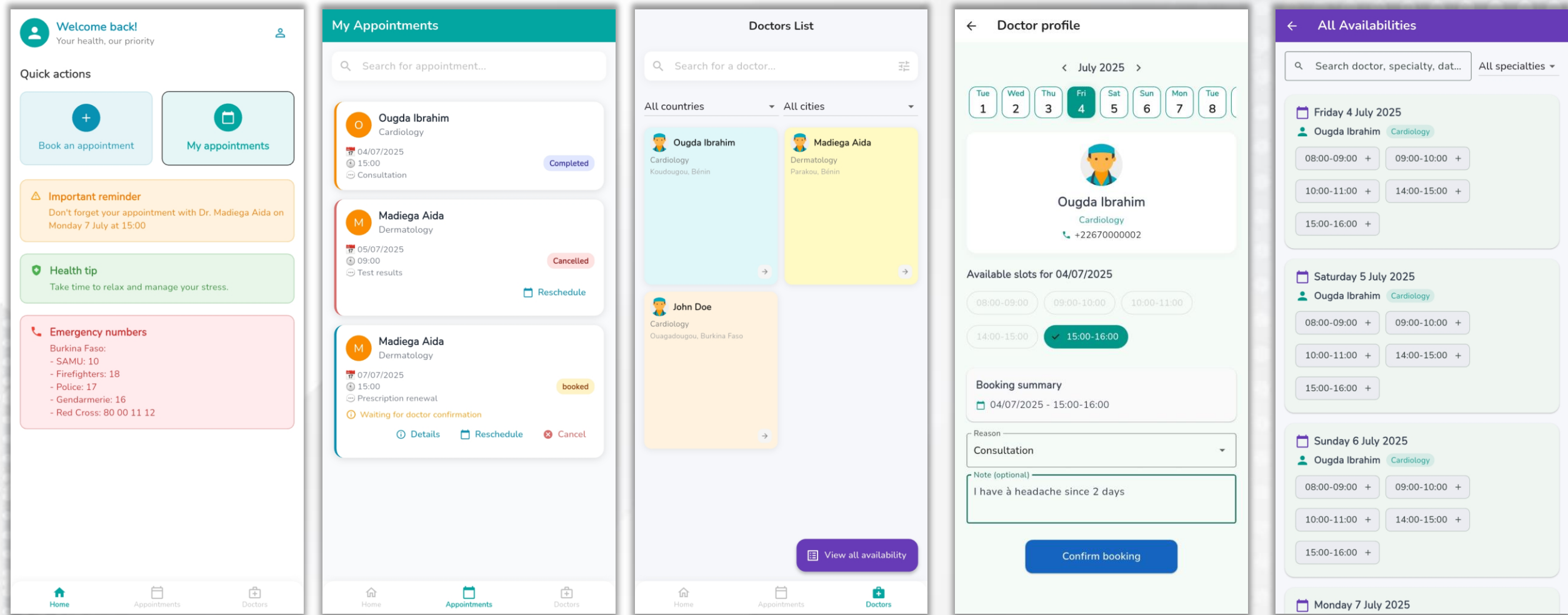
1. Log in
2. Access the "Doctor or Patient Management" tab
3. Filter by role, status or name
4. Deactivate or delete a user with one click

# Screenshot – AUTHENTICATION PAGE

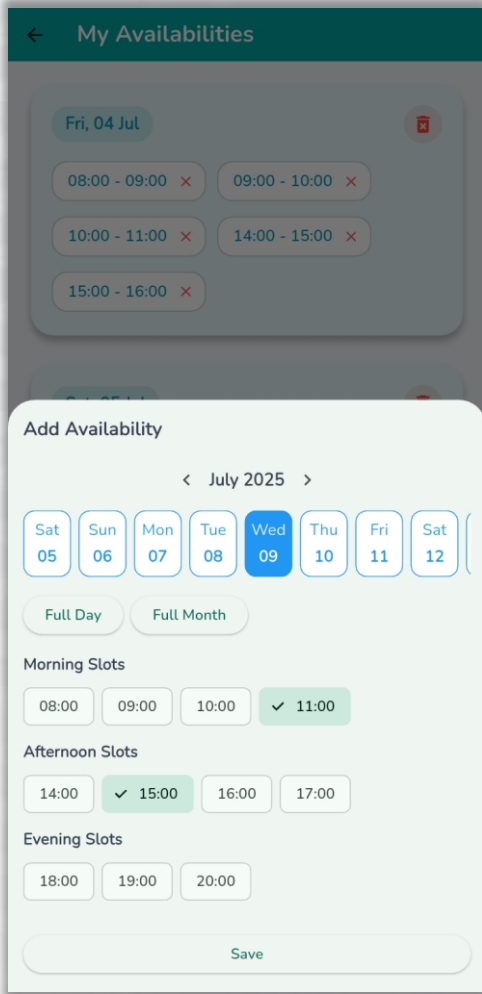
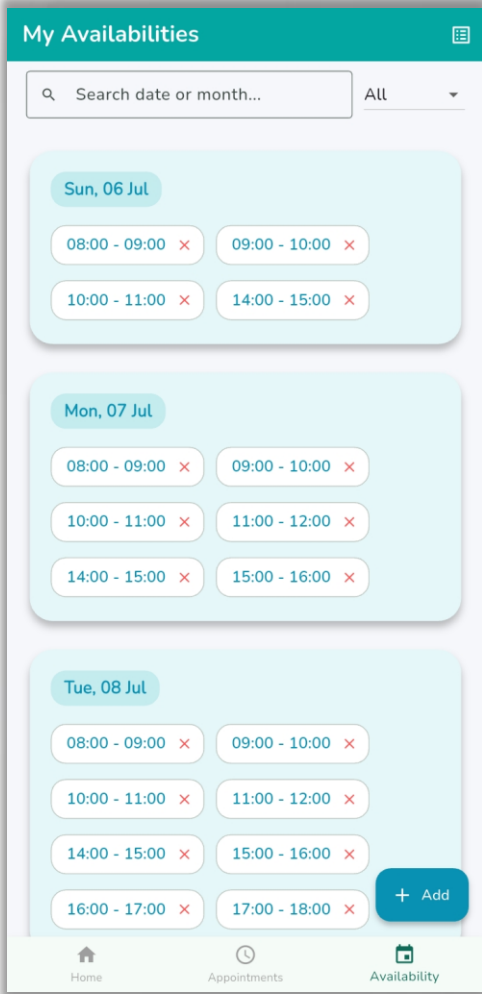
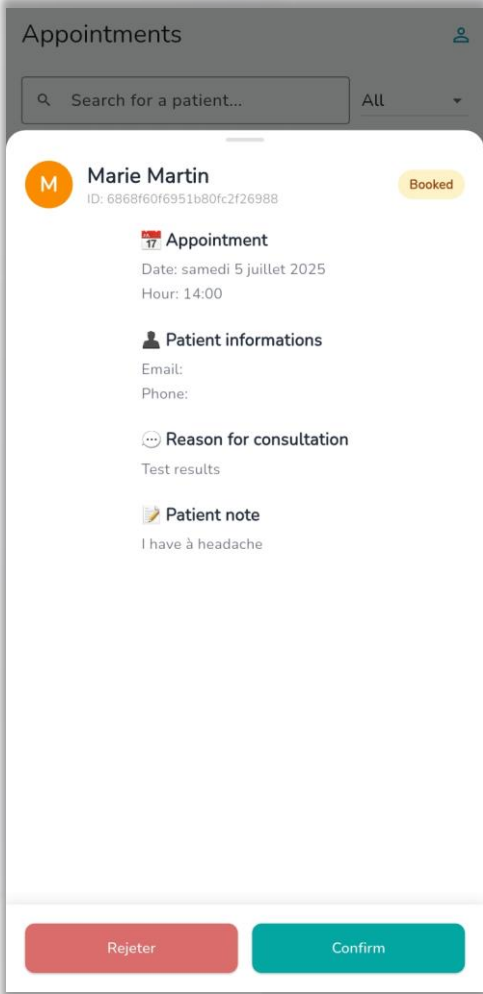
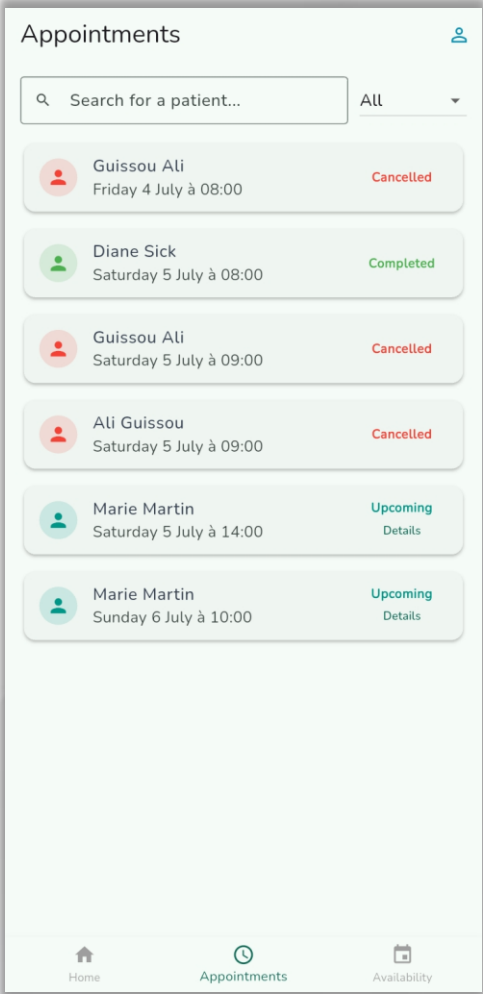
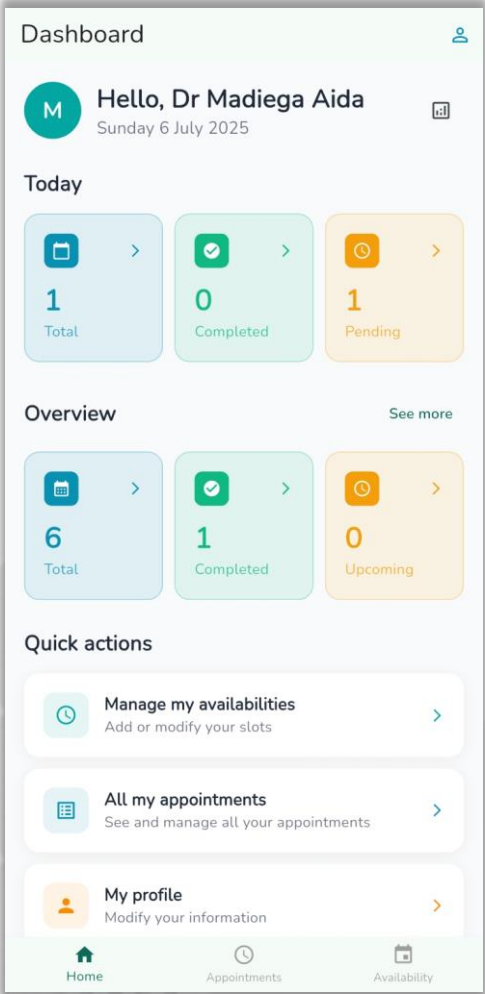
The image displays five sequential mobile app screens for the Caretime application, focusing on user authentication.

- Welcome Screen:** Features the Caretime logo and the text "Welcome..."
- Login/Register Screen:** Displays the Caretime logo, the tagline "Your health, our priority", a descriptive paragraph about the app, and two buttons: "Login" and "Register".
- Login Screen:** Shows the Caretime logo, the tagline "Your health, our priority", and input fields for "Email" and "Password". It includes a "Log in" button and a link for "Mot de passe oublié ?" (Forgot password?).
- Register Screen:** Features the Caretime logo, the tagline "Your health, our priority", and a series of input fields: "Last name", "First name", "Email", "Password", "Date of birth", "Gender", "Country", "Specialty", and "License number". It includes a "Register" button and a link for "Already have an account? Login".
- Forgot Password Screen:** Shows a back arrow, the title "Forgot Password", and an input field for "Email" with the instruction "Enter your email to reset your password". It includes a "Send Reset Link" button.

# Screenshot – PATIENT PAGE




# Screenshot – DOCTORS' PAGE






# Screenshot – ADMINISTRATORS PAGE

← Admin Dashboard ↻ ↗




**Administrator**  
Sunday, July 6, 2025

Overview




3  
Doctors

>




6  
Patients

>



13  
Appointments


>



1  
Today


>

User Management



**Manage Doctors**  
View, edit and manage all doctors


>



**Manage Patients**  
View, edit and manage all patients


>

Appointments Management



**All Appointments**  
View and manage all appointments


>




**Pending Appointments**

>

← Patients Management ↻

 Search for a patient...


Filter: All ▾



**Guissou Ali**  
ali@caretime.com  
+22960000004

Active


⋮



**Diane Sick**  
diane.sick@caretime.com  
+22960000005

Active


⋮



**Ali Guissou**  
ali@gui.com  
52336585

Active


⋮



**Jean Dupont**  
jean.dupont@caretime.com

Active

⋮




**Marie Martin**  
marie.martinm@mail.com

Inactive


⋮

Patient deactivated

← Doctors Management ↻

 Search for a doctor...


Filter: All ▾



**Ougda Ibrahim**  
Cardiology  
ibrahim@caretime.com

Active


⋮



**Madiaga Aida**  
Dermatology  
aida.mad@caretime.com

Active

⋮



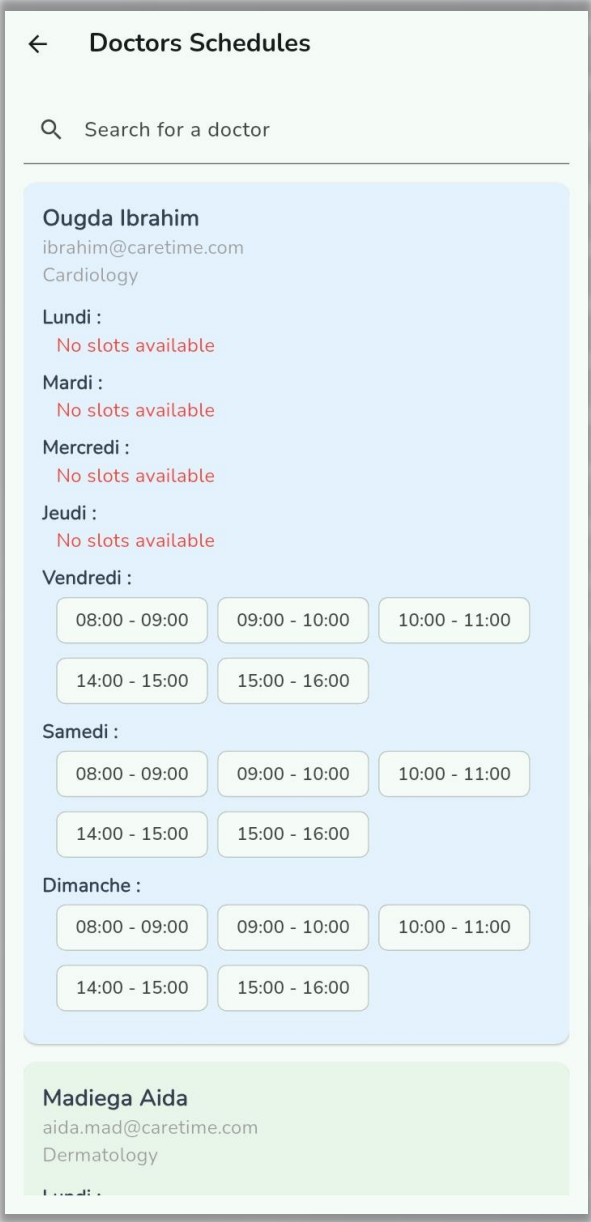
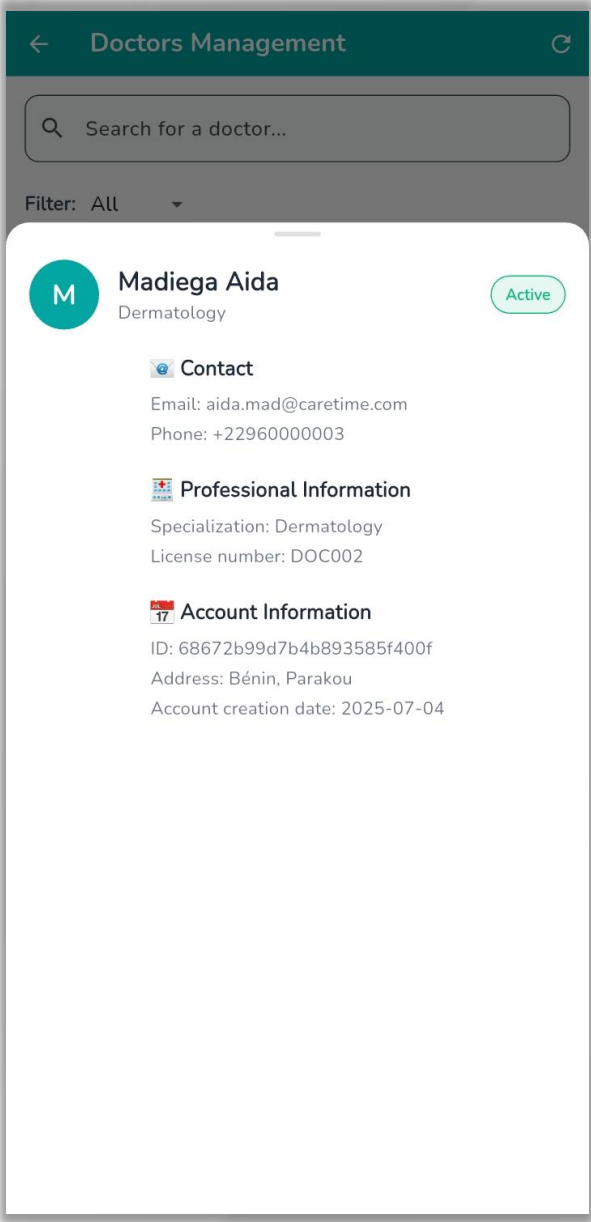
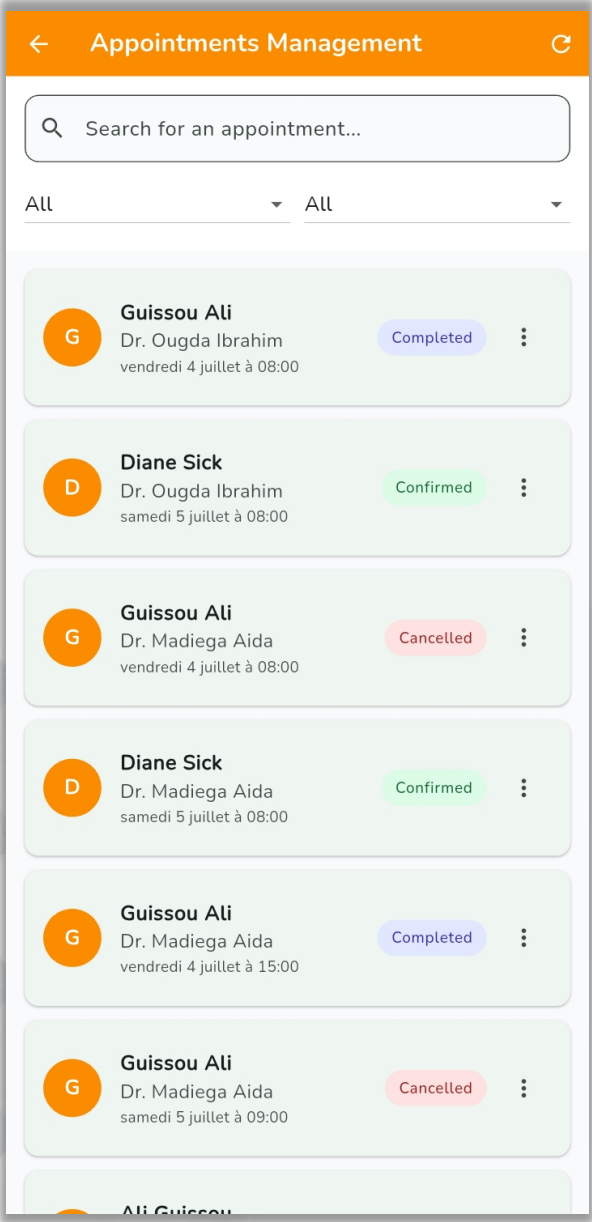
**John Doe**  
Cardiology  
john.doe@clinic.com

Active

⋮

7

# Screenshot – ADMINISTRATORS PAGE







# Screenshot – PROFILE PAGE

←

Profile




Ali Guissou




Email

ali@gui.com




Phone

52336585




City

Abidjan



Country

Côte d'Ivoire



Date of birth

2003-02-01

✎ Modifier

↪ Déconnexion

←

Edit profile

First name

Ougda

Last name

Ibrahim

Specialty


Cardiology

Phone

+22670000002

Date of birth

1980-05-10



Country

Bénin

▼

City

Cotonou

▼

Save

## Installation procedure

### Backend (Node.js/Express API)

1- Clone the project

```
git clone https://github.com/Dayende-ib/clinic-appointment-scheduler.git
```

2- Install dependencies

```
cd backend  
npm install
```

3- Configure environment variables:

```
cp .env.example .env
```

4- Launch the server

```
npm run dev
```

### Mobile application (Flutter)

1- Open the **/mobile folder** in VS Code or Android Studio

2- Install dependencies

```
flutter pub get
```

3- Modify the URL in the **api\_config.dart** file replace localhost with the IP of your machine  
const String baseUrl = "http://10.0.2.2:5000";

3- Launch the server

```
flutter run
```

## Test with Postman

1. Open Postman
2. **postman / caretime\_collection.json**
3. Log in or register via **/ auth / register** Or **/ auth /login**
4. Copy the returned token
5. **Test** other endpoints with **Authorization : Bearer <token>**

## Technical information

### •Languages :

- Backend: JavaScript (Node.js, Express)
- Frontend: Dart (Flutter)
- Database: MongoDB

•**roles** : patient, doctor , admin

•**Authentication** : via JWT, secured server-side

•**Middleware** : role-based access control

## Environment variables ( .env )

PORT=5000

MONGO\_URI=mongodb://localhost:27017/caretime

JWT\_SECRET= supersecurekey

## Test data

Seed files are provided in the  
`/backend/seeder` folder to create:

- 1 admin
- 2 patients
- 2 doctors
- available slots

# Annexes

- ERD diagram: /documentation/ERD\_caretime.png
- Presentation slides / presentation / caretime\_slides.pptx
- Postman Collection



# Contact

Project carried out by:

- **Ibrahim Dayende OUGDA**
- **Aïda Justine MADIEGA**
- **Ali GUISSOU**

Training: **Computer Science**

**Burkina Institute of Technology** – Academic year **2024–2025**