SIRY

PROGRAMMING

Introduction

To revolutionize the healthcare experience. We're using our combined skills to connect patients with healthcare providers seamlessly.

Why? Because we believe scheduling medical appointments should be easy, not a headache.

Our Team

ABBOU
Mohamed
Salaheddine

**Project
Manager**

BOUZEKRI
Youcef
Ismail

**Software
Developer**

GAFOUR
Ahmed
Riadh

**UI/UX
Designer &
Developer**

ABDERRAHMANE
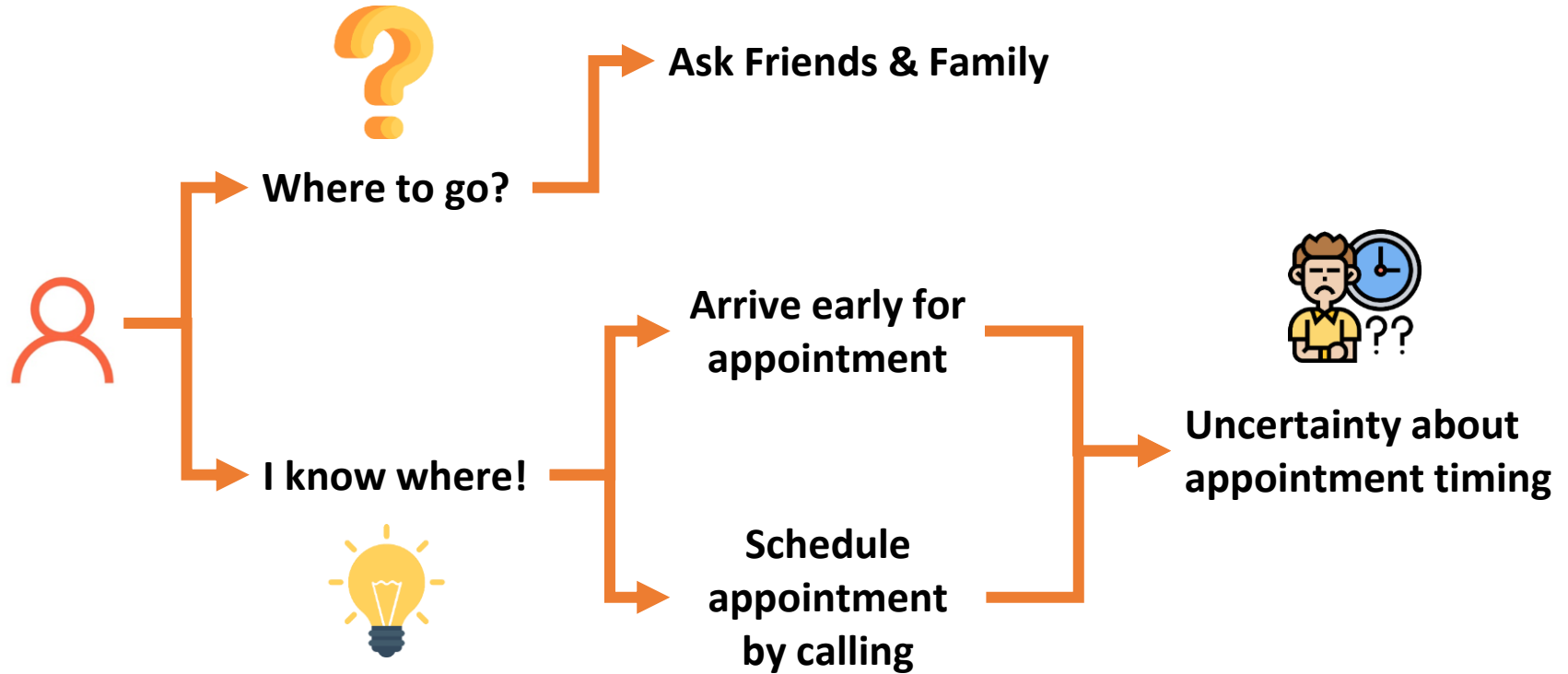**Y**ounes

**Software
Developer**

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Problem Introduction

Scheduling medical appointments can be **frustrating** for patients and providers. Challenges include **long wait** times, **limited availability**, and **outdated booking** methods.

A seamless, accessible system is essential for improved healthcare.

Scenario

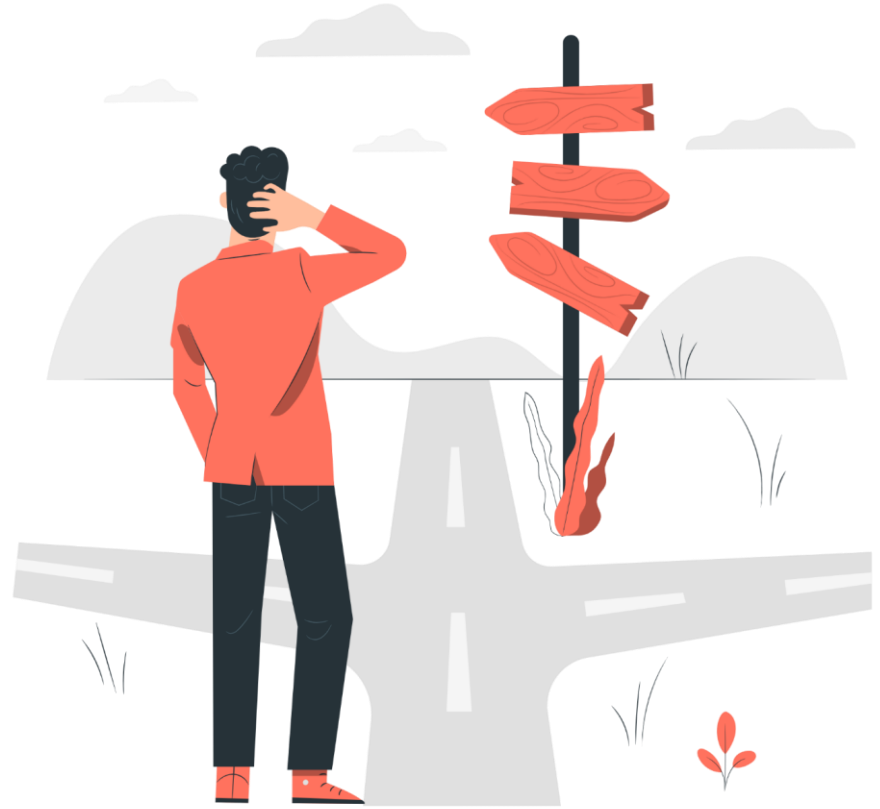# The problem

Inefficient Appointment Booking

- Complex processes
- Limited availability
- Long wait times

The problem

Geographical Barriers

- Travel long distances
- Limitation to healthcare providers within vicinity

The problem

Lack of Specialized Search

- Difficulty in identifying healthcare providers with specialization in specific medical conditions or situations

Our Goal

Improve Accessibility: Enable patients to access a wide range of healthcare providers and services from the comfort of their homes or while traveling

Streamline Appointment Booking: Simplify the process of scheduling appointments, reducing waiting times and administrative hassles

Facilitate Specialized Search: Provide users with a robust search function that allows them to find healthcare specialists based on their specific medical condition or situation

Our Solution

We propose to develop a mobile app that combines a user-friendly interface with powerful features to address the previously mentioned challenges

Our Solution

Comprehensive Healthcare Database: find healthcare professionals, centers, and specialists by city or specialty.

Appointment Scheduling: Check provider availability, book in-person or telemedicine appointments seamlessly.

Our Solution

Specialized Search Functionality: Search by condition for tailored healthcare provider matches, meeting specific needs.

User Reviews and Ratings: Review system for informed choices, letting users rate healthcare experiences.

Notifications and Reminders: Real-time notifications, reminders, and confirmations for seamless appointment management in-app.

The SIRY Medical Appointment App

Our app is more than just a solution; it's a game-changer. **Patients**, say goodbye to appointment headaches. **Providers**, say hello to streamlined scheduling. Our app is designed with you in mind, from easy scheduling and beyond.

Business Model

Business Model

Key Partners

- Healthcare providers
- Medical institutions

Key Activities

App development and maintenance
Database maintenance
Partner engagement

Key Resources

Development team
Comprehensive healthcare database
Medical expertise

Value Propositions

Seamless as booking with the right healthcare professionals, specialized search, ensuring convenient and efficient healthcare access.
Optimize Patient Care, Streamline Operations: Enhancing Efficiency for Healthcare Providers.

Customer Relationships

Customer Support
Personalization : Recommendations, preference, reminders

Channels

- Mobile App Store
- Website
- Social Media

Customer Segments

- Patients
- Healthcare
- professionals

Cost Structure

- Maintenance and updates
- Development

Revenue Stream

- Fee Structure
- Premium Subscription
- Percentage of each appointment booking
- Advertisement

SWOT Analysis

Strength:
- Enhanced accessibility and streamlined appointment management create a user-friendly healthcare experience.

Weaknesses:
- Challenges in user adoption may impact the app's effectiveness.

Opportunities:
- Empty market
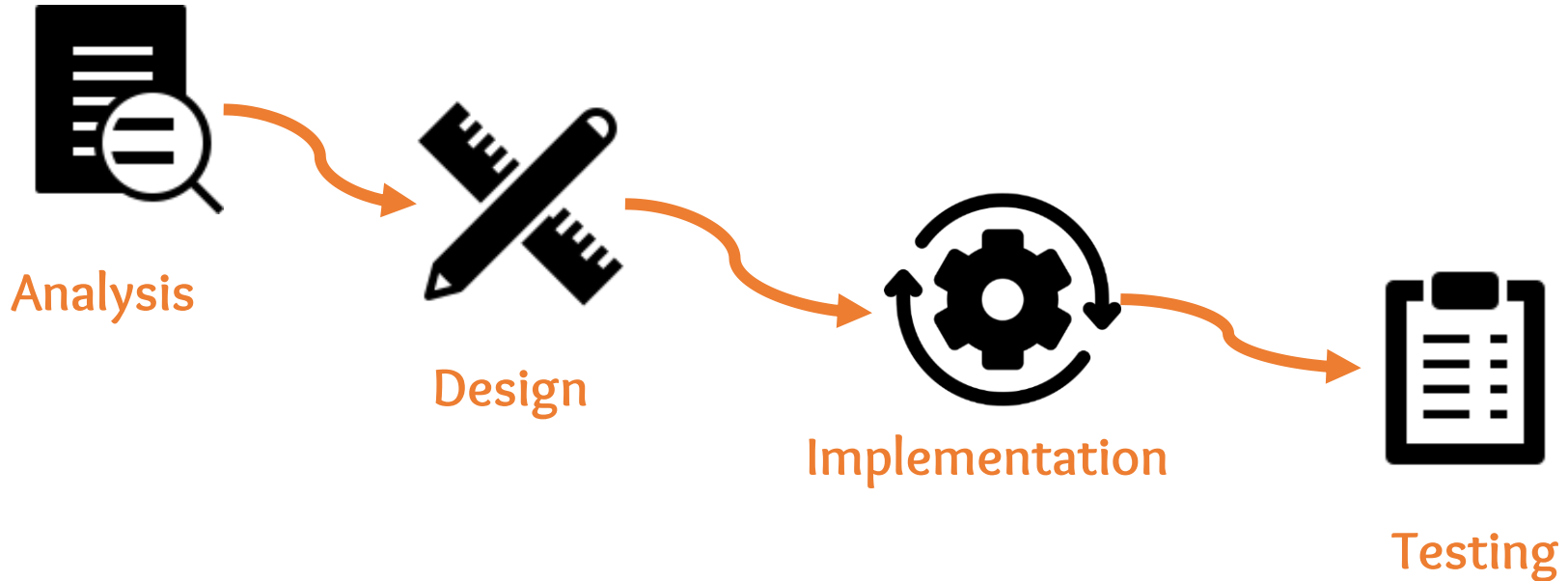- Being bought by Health Providers
- Social media to promote

Threats:
- regulatory changes, and cybersecurity risks pose challenges to the app's sustained success.
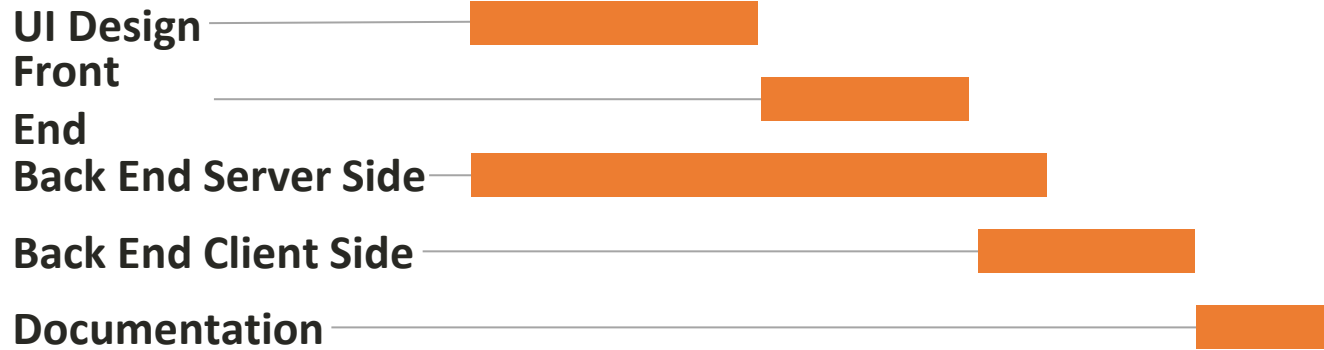- Governmental detention procedures

Work Plan

Methodology

Waterfall model

Analysis → Design → Implementation → Testing

Planification

Specification

Users:

- **Patient:**
can seamlessly schedule appointments, view medical history, and connect with healthcare providers for a personalized experience

- **Healthcare Provider:**
gain efficient appointment management, access to patient details, and tools for clinic oversight, fostering streamlined operations.

Requirements

Authentication & Authorization:
- Secure login mechanisms based on Android standards.

Appointment Scheduling:
- Interactive calendar with real-time doctor availabilities.
- Advanced search function for finding suitable slots.
- Immediate notifications for appointment confirmation.

Requirements

Appointment Management:
- Ability for patients to cancel or reschedule appointments.
- Appointment history for doctors and patients.

User Profiles:
- Detailed information for doctors (specialty, schedules, etc.).
- Personal information for patients.

Tools List

UI / UX Design
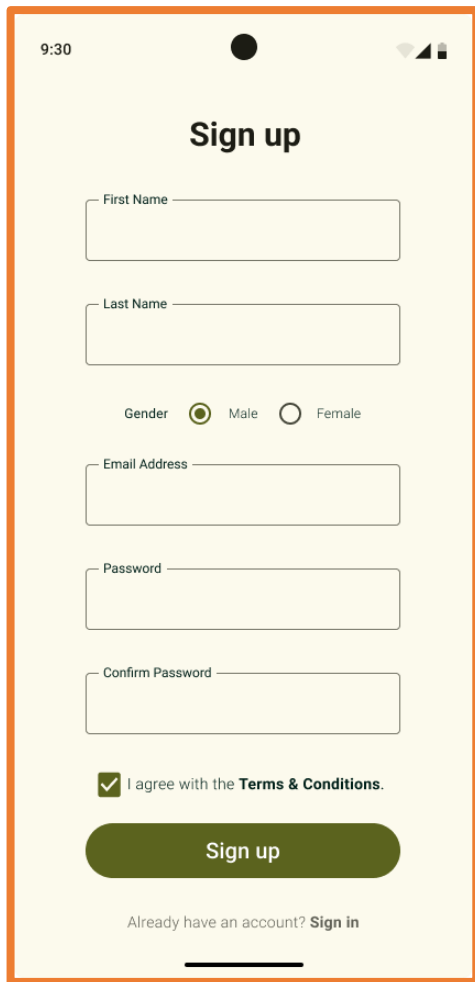
Sign-In:
Users are prompted to provide their account credentials in order to move on. If they do not own an account, they can create one using the sign-up link.
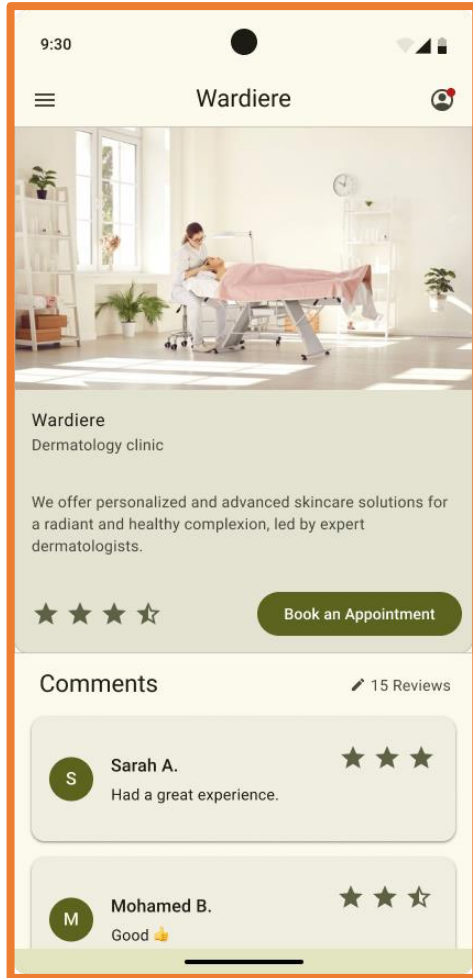
Sign-Up:

Users must fill their information. If the user already has an account, the sign-in form can be accessed via the bottom link.
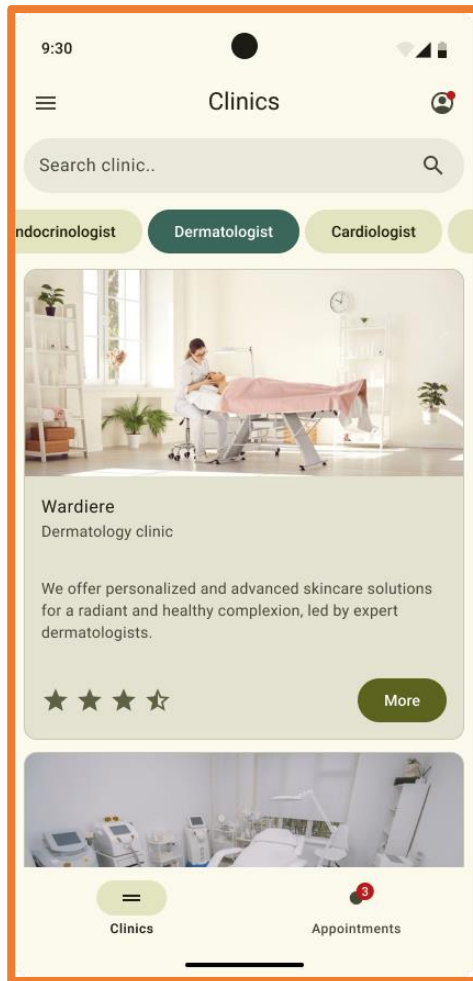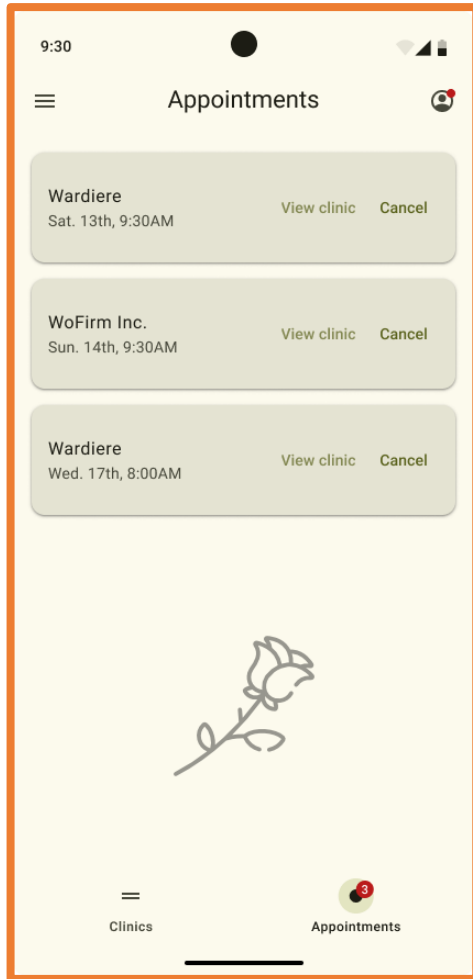
Clinics Feed:

Lists close-by clinics by name and/or specialty.

Clinic cards contain the relevant information of their respective clinic (name, speciality, description and rating).
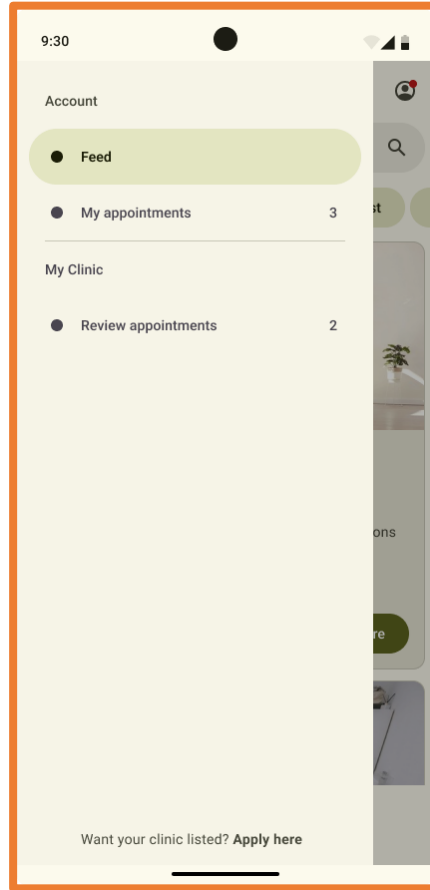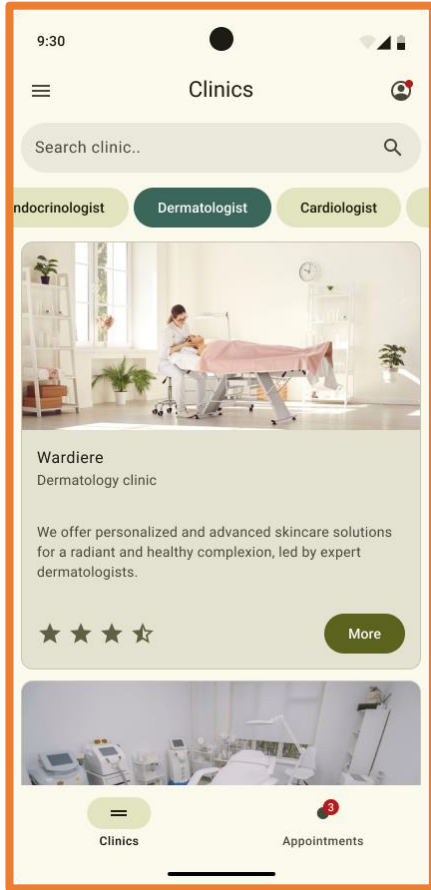
Clinic View:

Displays the selected clinic's comments/ratings and enables the user to request an appointment.

Appointments List:

Displays a list of the user's current appointments with a cancelation button.

Navigation:

The top-bar gives the user access to the sidebar and profile settings.

The bottom navigation assures quick access between the clinics and appointments views.

Requesting a Clinic:
Clinic owners can request their clinics to be added by filling this form.
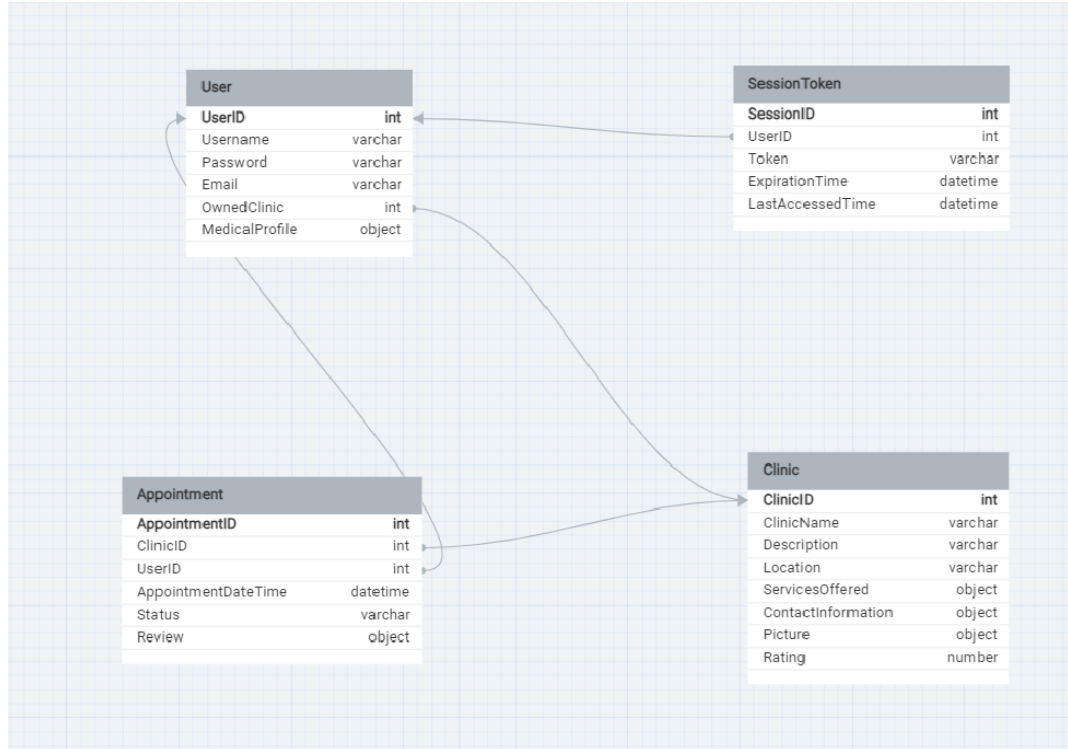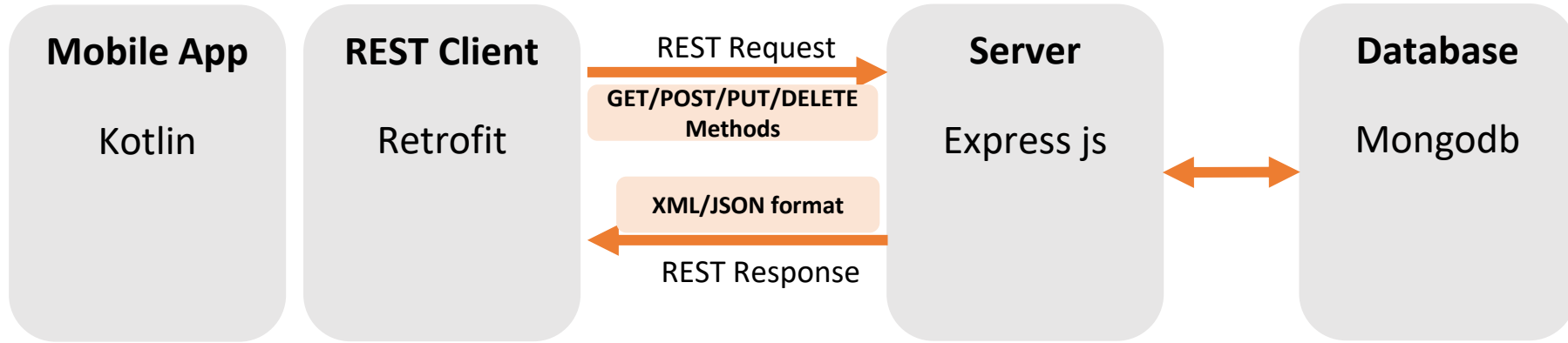
Booking Reviews:
Clinic owners later receive the appointment requests, and book them according to their schedule.

Back End

Schemas

Architecture

Architecture

Example: GET All Clinics

GET
http://localhost:3000/api/clinics/

Mobile App	**REST Client**	REST Request →	**Server**	**Database**
Kotlin	Retrofit	GET/POST/PUT/DELETE Methods	Express js	Mongodb
		XML/JSON format ←		
		REST Response		

{
''clinics'': {}
}
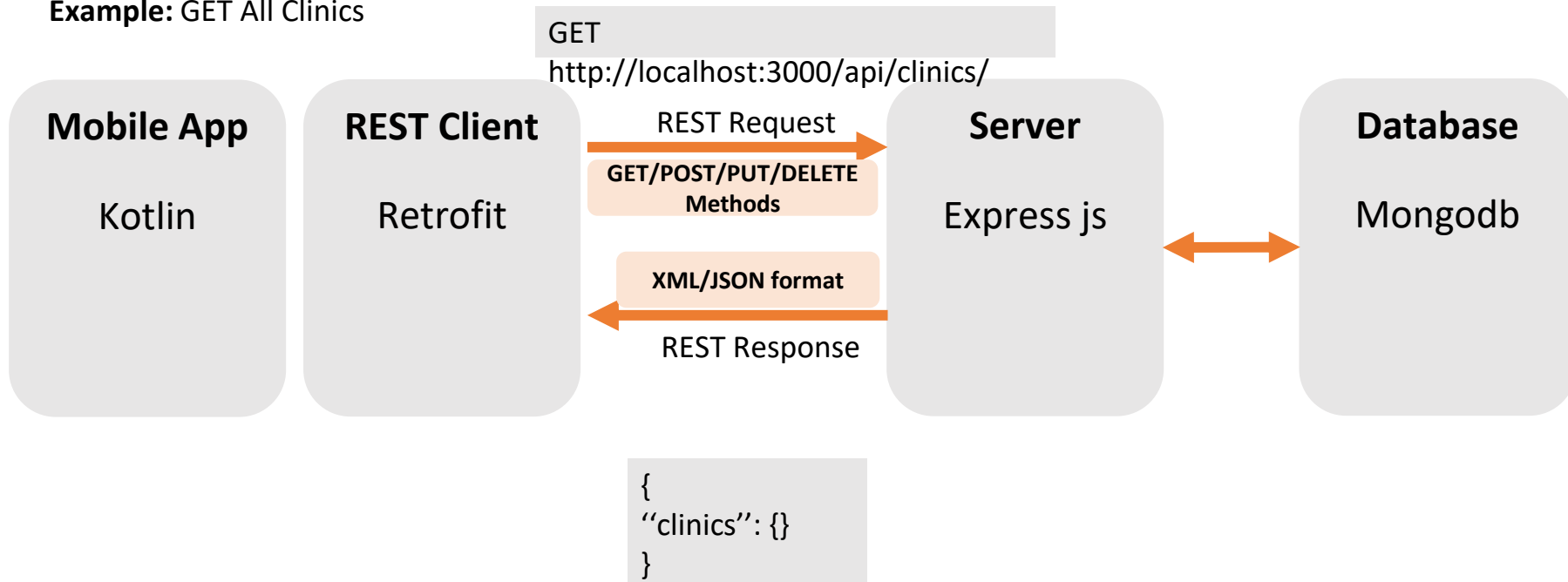
Future Vision

Future Vision

AI-Powered Chatbot for Patient Support:

- **Objective:** Develop a chatbot using AI to provide instant support, answer common queries, and guide patients through the app.

- **Outcome:** Enhanced user experience, reduced support response times, and increased user engagement.

Future Vision

Real-time Data Analytics for Healthcare Providers:

- **Objective:** Integrate AI tools for healthcare providers to analyze real-time patient data, treatment outcomes, and operational efficiency.

- **Outcome:** Empower healthcare providers with actionable insights for enhanced decision-making, improved patient care, and resource optimization.

Thank You for Your Attention