Requirements Document

Functional Requirements:

- User Registration: The system must allow users to create an account with email and password.
- Medication Tracking: Users must be able to enter medications with dosage, schedule, and receive reminders.
- Doctor Appointment Management: The user must be able to add, view, and receive reminders for doctor appointments.
- Fitness Tracking: The system must track physical activity, including steps, calories burned, and exercise logs.
- Hydration Reminder: The system must remind users to drink water based on a set daily goal.
- Data Analytics: The system must provide insights and reports on user health habits.
- Push Notifications: The system must send push notifications for reminders.
- User Profile Management: Users must be able to update their profile information.
- Search and Filter: Users must be able to search and filter past activities and appointments.

Non-Functional Requirements:

- Usability: The app must have a simple and easy-to-use interface.
- Performance: The app should respond to user input within 2 seconds.
- Cross-platform Compatibility:The app must be work in different platforms.
- Security: The app must encrypt sensitive health data.
- Scalability: The app must handle large amount of users.

Effort Estimations:

Week 1: Requirements & Design

Define core features (registration, medication tracking, reminders, fitness logs).
Create UI/UX wireframes and finalize app flow.

Weeks 2-4: Development

Backend: User authentication, database setup, API for tracking & reminders.
Frontend: Implement main screens, integrate push notifications, fitness tracking.

Week 5: Testing

Unit & integration testing, performance optimization.
Beta testing with real users, bug fixes.

Week 6: Deployment

App Store & Play Store submission.
Monitor performance & set up analytics.

Task Assignments:

Requirements	Kerem Elma		
Design	Ece Eker		
Development	Kerem Elma	Ece Eker	Kaan Onen
Testing	Mehmet Eski		

Rationale for Task Assignment:

The task distribution is based on expertise and experience, ensuring efficient work allocation.