

Project Definition Document:

Project Name: HealthTracker

Project Summary:

HealthTracker is a comprehensive health tracking application designed to help users manage their daily health habits. It aims to centralize the tracking of important health activities, such as medication schedules, doctor appointments, fitness goals, and hydration levels, in one platform. The application is developed to improve user wellness by ensuring they never miss a crucial health task and promoting a proactive approach to maintaining overall health.

Objectives:

- To create a user-friendly application that helps users track and manage health-related activities.
- To implement reminders for medication, doctor appointments, daily fitness, and hydration.
- To provide insightful data and reports on users' health habits to encourage healthy lifestyle choices.
- To offer an intuitive and engaging interface that encourages users to consistently use the app.

Scope:

Inclusions:

- Medication reminder system with dosage and timing.
- Doctor appointment tracking and reminders.
- Daily fitness tracking (exercise logging, steps, calories burned).
- Water intake tracking and reminder system.
- Data visualization for health insights and progress reports.
- Basic user account creation and management.

Exclusions:

- Integration with hospital systems or medical records.
- Advanced health diagnostics or clinical features.
- Social networking features.
- Customization of app features beyond basic settings (e.g., changing color themes).

Target Audience:

- Health-conscious individuals looking to manage their fitness, hydration, and medication.
- People with chronic illnesses who need medication reminders.
- Individuals seeking a simple yet effective way to track their health habits.

Key Features:

1. Medication Reminder: Users can input their medications, including dosage and frequency, and receive push notifications for timely reminders.
2. Doctor Appointment Tracker: The app allows users to schedule, track, and receive reminders for doctor visits.

3. Fitness Log: Users can log their daily physical activities such as walking, running, or working out, and track their progress.

4. Hydration Tracker: The app tracks daily water intake and reminds users to drink enough water throughout the day.

Deliverables:

- A fully functional application.
- User documentation and guides for using the app.
- A project report summarizing development and testing processes.

Budget and Resources:

- Personnel: Mehmet Eski, Ece Eker, Kerem Elma, Kaan Onen
- Tools: Visual Studio Code, IntelliJ, MobaXterm
- Hardware: Personel computers should be enough.
- Budget Considerations: Play Store Subscription fee, Domain fee, Hosting fee

Risks and Mitigation Strategies:

Technical Challenges: Difficulty integrating with third-party services (e.g., fitness trackers).

Mitigation: Use available APIs and test thoroughly.

Project Success Criteria:

1. User Adoption: 60% of users will actively use the app on a daily basis.
2. Functional Completion: All four key features will be fully implemented and tested.
3. Performance: The app will load and run without crashes.

Writing Project Summary	Kerem Elma
Defining Objectives	Ece Eker
Writing Key Features	Ece Eker
Calculating Resources and Risks	Mehmet Eski