

Personal Habit Tracker

Project Overview

The Personal Habit Tracker is a simple and intuitive tool designed for students, working professionals, and travelers to help them build and maintain healthy habits. This project focuses on creating a mobile-first and laptop-compatible habit tracking application that includes customizable reminders, visual progress tracking, and motivational feedback.

Interviews Conducted

- Students
- Working Professionals
- Travelers

The interviews helped identify key user needs for tracking habits, setting reminders, and monitoring progress visually.

Key Features

- **Customizable Habit Creation:** Users can create and track different types of habits.
- **Reminders:** Set daily or weekly reminders tailored to individual habits.
- **Visual Progress Tracking:** Checklists, graphs, and calendar views to monitor achievements.
- **Motivational Messages:** Positive reinforcement like motivational quotes and streak goals.
- **Multi-Platform Support:** Optimized for both mobile and laptop users.
- **Future Enhancements:** Mood tracking, gamification (badges/points), dark mode, smart reminders, and widgets.

Project Timeline (Scrum Board)

Sprint 1: User Discovery + Requirements (Week 1)

- Prepare interview questions (Done)
- Conduct interviews (Done)
- Write user requirements document (Done)

Sprint 2: Project Setup + Basic App Structure (Week 2)

- Set up GitHub repository (Done)
- Set up folder structure (Done)
- Write project README.md (Done)
- Design login screen UI (In Progress)
- Design habit tracker screen UI (To Do)
- Set up basic Java project structure (To Do)

Sprint 3: Feature Development (Week 3)

- Build login functionality (To Do)

- Build habit creation form (To Do)
- Build progress tracking chart (To Do)

Sprint 4: Final Testing + Deployment (Week 4)

- Test login and authentication (To Do)
- Test habit tracking features (To Do)
- Fix bugs and polish UI (To Do)
- Prepare final project report/documentation (To Do)
- Final deployment or submission (To Do)

Kanban Board Overview

- **To Do:** Tasks to be started
- **In Progress:** Tasks currently being worked on
- **Done:** Tasks completed

Tasks move from "To Do" → "In Progress" → "Done" as the project progresses.

Tools and Technologies

- Java (backend logic)
- Eclipse IDE (development)
- GitHub (version control)
- Optional future technologies: mobile widget, mood tracker integration, gamification libraries.

Authors

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