Requirements Gathering

1. stakeholders' analysis
2. user story
3. functional &nonfunctional

Stakeholder Analysis:

👤 Primary Stakeholders: End Users (Students & Employees):

Need a structured way to track and improve habits.

Require reminders and motivational features to stay consistent.

Development Team:

Responsible for designing, developing, and maintaining the application.

Ensures system efficiency, security, and scalability. Academic Supervisors / Investors:

Expect a well-documented, functional, and innovative application. Interested in system performance and usability.

Functional Requirements

✅ User Management:

Users must be able to register, log in, and reset passwords securely. Each user should have a personal profile to track progress.

✅ Habit Tracking:

Users can create, edit, and delete habits. The system must log progress and update streaks automatically.

Users should be able to categorize habits (e.g., health, productivity, learning).

✅ Reminders & Notifications:

Users must be able to set reminders for each habit. The system should send notifications based on the user's schedule..

✅ Data Synchronization:

User data should be stored securely and synced across devices.

Integration with cloud storage (e.g., Firebase).

✅ User Interface & Experience: The app should follow a clean, intuitive UI/UX design.

Users should be able to toggle between dark and light modes.

3. Non-Functional Requirements

✅ Performance:

The system should respond within 2 seconds for any user interaction.

Must handle simultaneous requests efficiently.

✅ Security:

User data must be encrypted and follow OWASP security best practices.

Must support OAuth or Two-Factor Authentication (2FA).

✅ Scalability:

The system should support thousands of users without performance degradation.

The backend should be optimized for cloud deployment.

✅ Compatibility:

The application must be compatible with Android & iOS.

Should support multiple screen sizes without UI distortion.

✅ Reliability & Availability:

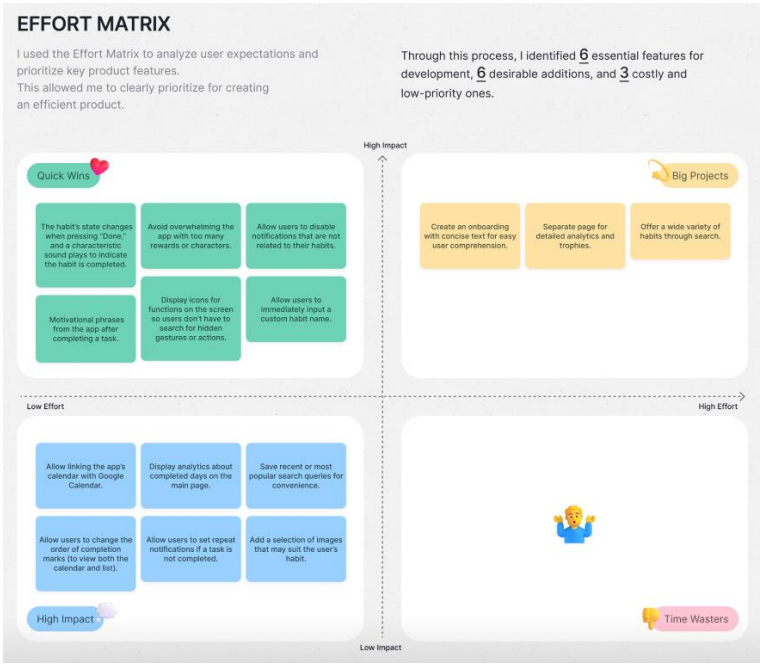
The app should have a 99.9% uptime guarantee.

Users should be able to access their data even in offline mode (caching required).

✅ Maintainability & Extensibility:

The codebase should follow clean architecture principles (MVC, MVVM).

The system should allow easy feature expansion without breaking existing functionalities.



JOB STORIES

10 job stori

Given the app's wide audience, I used Customer Journey Mapping to analyze interactions and identify areas for improvement in user experience.

01

When I constantly forget about the habit due to work, **I want** to receive reminders, **so I** can stay on track and stick to my plans on time.

02

When I install a new app on my phone, **I want** to understand it as quickly as possible **so I** don't waste time learning it randomly

03

When I go through the challenging process of forming a new habit, **I want** to receive support and encouragement, **so I can** stay motivated and committed.

04

When I tackle new challenges daily through newly developed habits, **I want** to see visualized results, **so I can** stay motivated and continue my journey.

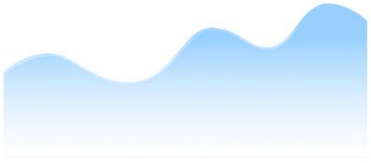
04

When I'm forming multiple habits at once, **I want** to be able to easily find and visually distinguish them, **so I can** navigate among them faster.

SURVEY

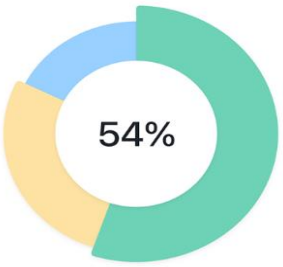
30+ responses

This not only provided valuable insights into the features that impact user experience but also helped me find future interview respondents.



39%	24%	61%	85%
Motivation to achieve goals	Increasing productivity	Building new habits	Monitoring habits

What do you like the most about habit-tracking apps?



How often do you use a habit-tracking app?

- Daily
- Several times a week
- Once a week