

Requirement Discovery

1. Functional Requirements

1.1 To-Do List

- Users can create and add new tasks with titles and descriptions.
- Users can set deadlines (date and time) for each task.
- Users can prioritize tasks (high, medium, low).
- Users can mark tasks as complete or incomplete.
- The system should send reminders and notifications to users about upcoming deadlines.
- (Optional) The system may allow users to categorize tasks by project or context.
- (Optional) The system may allow users to collaborate on tasks with other users (assign tasks and share progress).

1.2 Flashcard System

- Users can create digital flashcards with questions and answers (text or multimedia).
- Users can categorize flashcards by topic, subject, or any relevant criteria.
- Users can review flashcards in various modes (self-paced learning, quiz mode with scoring).
- (Optional) The system may allow users to import or export flashcards in a common format.
- (Optional) The system may integrate with spaced repetition algorithms for optimized learning.

1.3 Challenge Friend

- Users can challenge friends or colleagues on specific topics or subjects.
- The system should facilitate sending and receiving challenges between users.
- Users can create and answer questions within challenges.
- The system should track user progress within challenges (number of questions answered, score).
- The system should provide feedback on answers (correct/incorrect explanations).
- (Optional) The system may allow users to create public or private challenges.
- (Optional) The system may incorporate gamification elements (leaderboards, badges) to promote engagement.

1.4 Job Search Report

- Users can track job search activities (applications sent, interviews scheduled, offers received).
- The system should store and manage user data related to job applications and interviews.
- The system should generate reports and analytics on job search progress (number of applications, interview success rate).
- The system may identify areas for improvement based on the data (e.g., suggesting skills to focus on).
- (Optional) The system may integrate with job boards or other job search resources.