

Flash Card App

Team 10x

“Study less. Learn 10x more.”

Problems

- Students struggle with information overload
- Motivation and consistency are hard to maintain
- Paper flashcards are cumbersome and outdated
 - bulky and difficult to study on-the-go



Proposed Solutions

A simple, offline flashcard app where users create their own flashcards. The users can edit the front and back of flashcards similar to paper ones and these cards can be sorted into decks to study from.


- These cards will support text, audio, and images
- There will also be stats so the user will know which parts need more work.

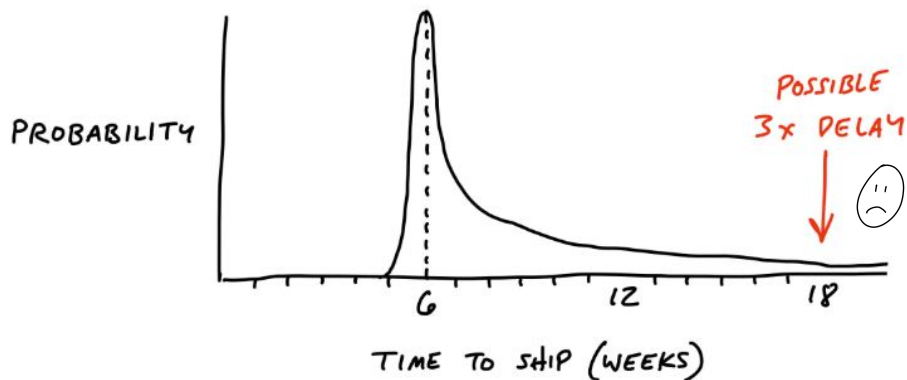
Solutions

- Allowing users to create their own flashcards from scratch
 - Learners who make their own flashcards tend to learn faster and remember better than those using pre-made decks (Pan et al., 2022)
- An app that reminds users to study on a card after a certain amount of time
 - Spacing out review is critical for retention, and flashcard systems make this practical (Lu et al., 2021)
- Allow the users to record their own voice as a card content
 - Combining visual (text) and auditory (recorded speech) creates two mental pathways for memory (Paivio, 1971)
- Scores Users based on their correctness and time on card
 - Scoring adds a game-like reward system: users want to beat their previous high scores or mastery percentage.

Risks and Rabbit Holes

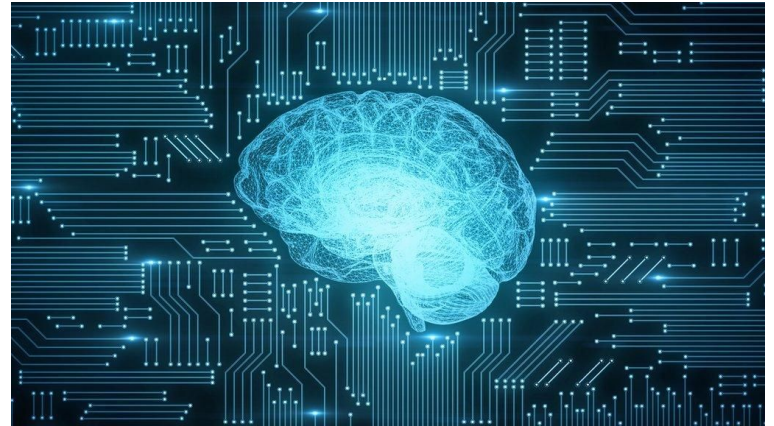
- Getting excited about/deciding to do complex features that aren't necessary to the whole project.
- Bad shaping: Not making sure the project is doable within the constraints (time, money, etc..).
- Betting on unsolved problems: Not making sure the project is possible.
- Using technologies/tools we are not familiar with.
- Low bus factor.

We want to stay away from these tricky problems so that the probability shown to the right becomes as thin-tailed as possible to avoid delays. 



Forbidden zones

- Online access to other people's flashcards
- Auto-create flashcards from files
- Any use of AI such as for summaries



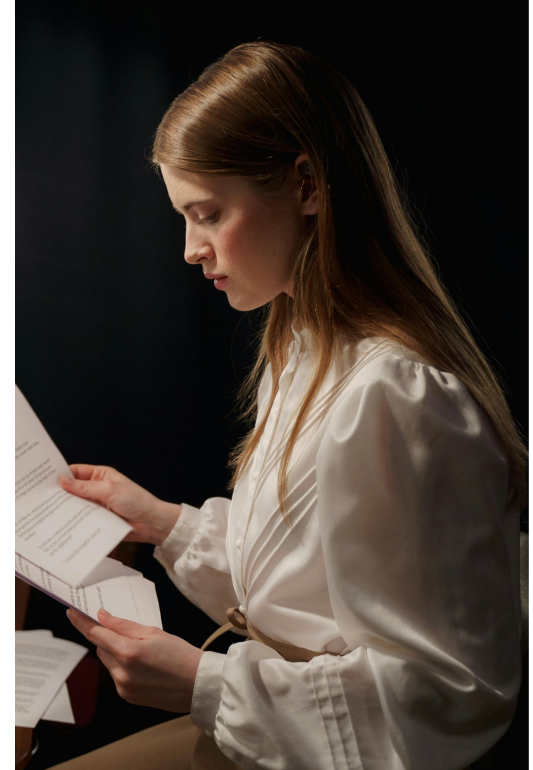
User Persona #1

Name: Ashley Baker

Details: I am an aspiring actor who is auditioning for a role as Juliet in the play “Romeo and Juliet”.

Wants & Needs: Wants an app where she can easily practice her lines for her upcoming audition and future roles. This is a lead role and has many lines.

Doesn't Want or Doesn't Need: subscription fee, clutter, AI summaries



User Persona #2

Name: Skyler James

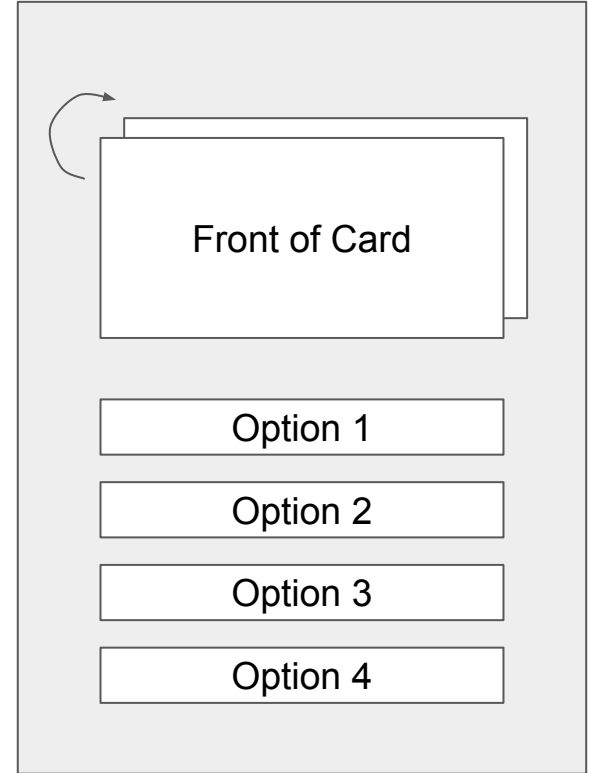
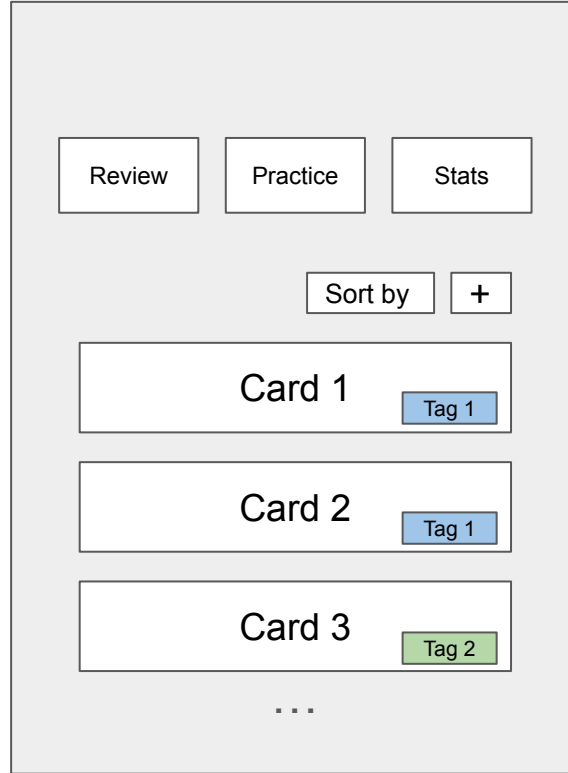
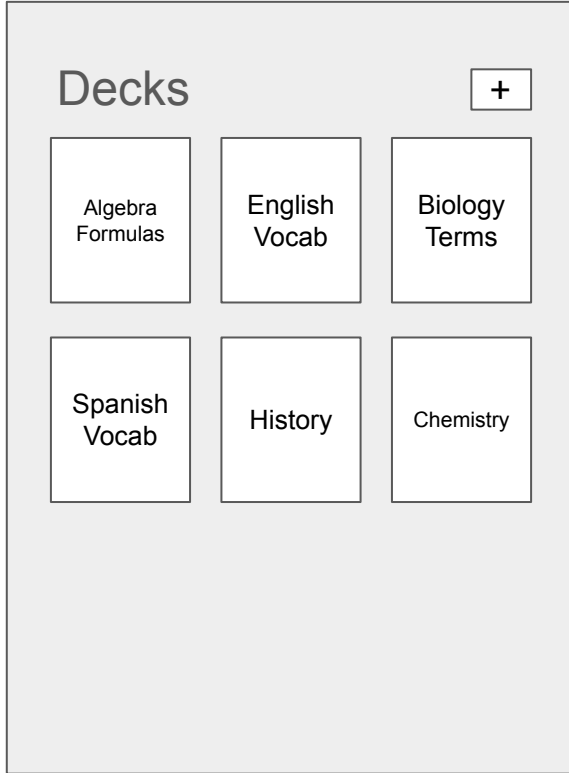
Details: I am a student taking a foreign language class.

Wants & Needs: Wants an app to easily make flashcards for studying with intuitive UI.

Doesn't Want or Doesn't Need: heavy customization, in-app access to internet



Wireframe



Wireframe

Front of Card

You got it right in xx seconds!

Rate your comfortability

1

2

3

4

5

Stats

Total Time Spent: xx.xx

Avg. Time Spent: xx.xx

Cards Reviewed: xx

Most problematic cards:

Card 1

Card 2

...

Create

Front of Card

Back of Card

Add to
deck(s) ▼