



FlashCards

NC STATE
UNIVERSITY

Flash Your Skills, Quiz Your Knowledge, Rule the Leaderboard!

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Introduction

Master your exams with smart flashcards! Quick, efficient, and tailored for success—your ultimate study tool for acing every subject!

Sells the Project

- **Organized and Personalized Learning:**
 - With features like folder creation, and recent items, users can organize study materials efficiently and access them quickly, making studying more streamlined.
- **Adaptive Quiz Mode:**
 - The quiz generation algorithm creates personalized quizzes based on user performance and deck content, targeting specific learning needs and making study sessions more effective.
- **Competitive Engagement through Leaderboards:**
 - A leaderboard for quiz performance fosters a motivating and competitive environment. Users can track progress, aim for higher ranks, and stay engaged.



Test Cases

Total test cases:
36

Proposed Version i+1

Enhanced Analytics Dashboard

- Track study habits, quiz scores, and improvement areas to plan smarter study strategies. Get real-time insights on your progress!

Collaborative Study

- Share flashcards with friends or study groups! Edit together and discuss challenging concepts with in-app notifications for real-time updates.

Expanded Quiz Customization

- Create personalized quizzes: set timers, choose topics, and focus on weak areas. Review missed questions for targeted learning.

Chrome Extension

- Highlight text on websites or PDFs to instantly create flashcards. Seamlessly sync with your study decks for streamlined learning on-the-go!

Timeline for Proposed Version i+1

Week 1: Core Setup and Initial Development

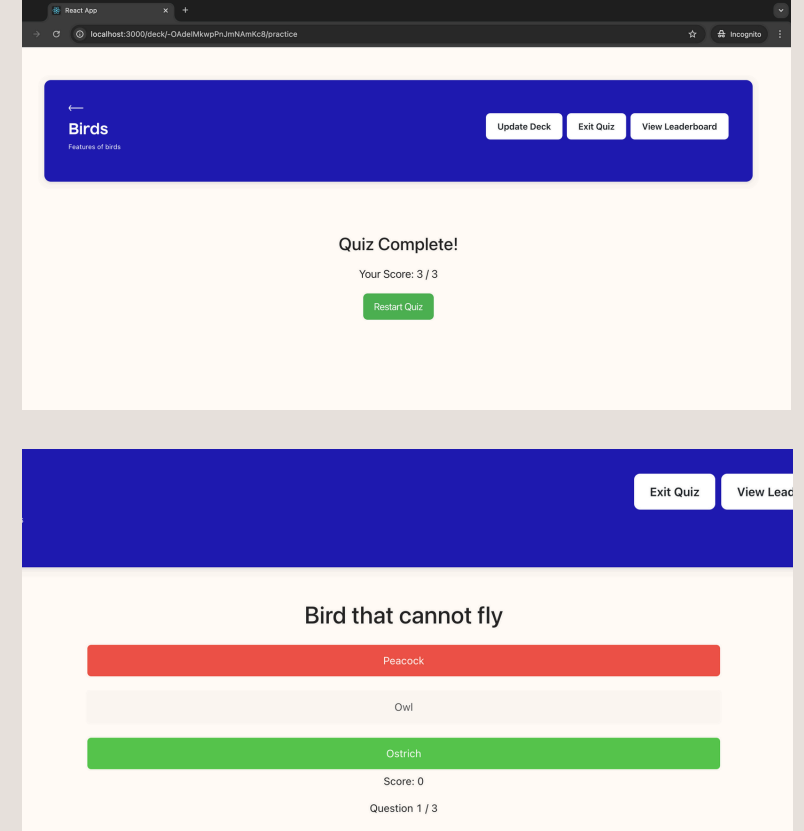
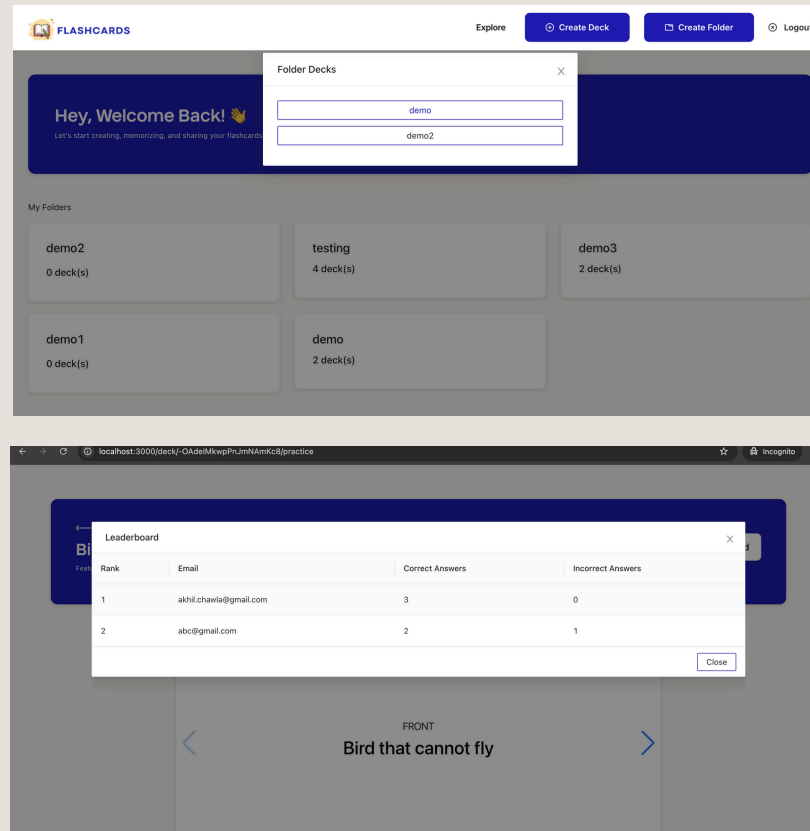
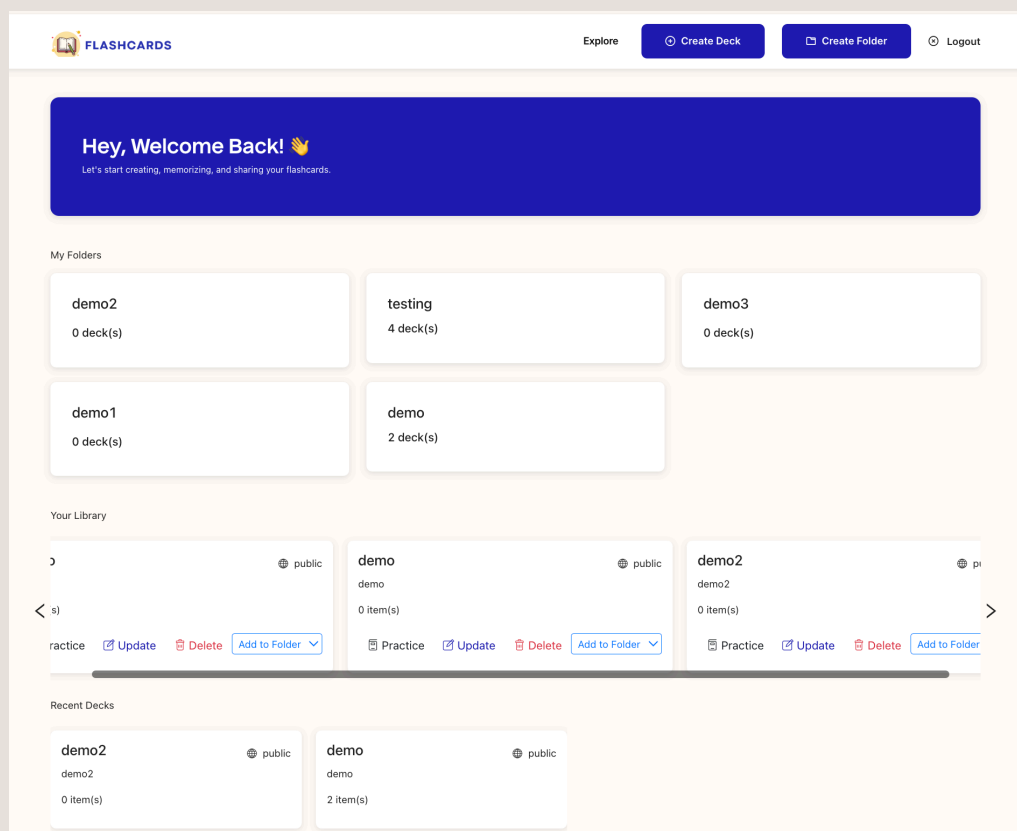
- Enhanced Analytics Dashboard: Backend setup to track study metrics (e.g., quiz scores, session time). Basic dashboard UI.
- Collaborative Study Features: Enable sharing flashcards via links, initial notifications for group updates.
- Expanded Quiz Customization: Launch timed quizzes and basic topic selection. Initial adaptive mode based on previous answers.
- Chrome Extension: Basic highlight-to-flashcard functionality with platform sync.

Week 2: Frontend Development and User Testing

- Enhanced Analytics Dashboard: Add visual progress displays and simple improvement feedback.
- Collaborative Study: Group creation, real-time updates, and notification refinement.
- Quiz Customization: Add retry options for incorrect answers and subject-based performance tracking.
- Chrome Extension: Complete extension UI for labeling cards, initial tests for syncing reliability.

Week 3: Optimization and Launch

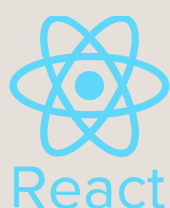
- Finalize UI
- Ensure real-time data sync.
- Final Testing



Tech Stack



Flask



Firebase

