

vFlashCards
Design Document
CISC 4900, Fall 2023
Professor Chuang, Professor Lapid

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Abstract:

The purpose of the project is to bring the convenience of software based flashcards to students. Paper flashcards can be cumbersome to carry and easily misplaced. A web application flashcard mitigates those issues and brings convenience for students who are always on the go.

Wireframe

Home/landing page:

The wireframe for the Home/Landing page is enclosed in a large rectangular border. On the left side, there is a white rectangular box with a thin black border. Inside this box, the text 'vFlashCards' is at the top, and 'Flashcards at your finger tip :)' is below it. To the right of this box, there are two input fields: 'Email' and 'Password'. Below these fields is a red button with the text 'Log In'. At the bottom right, there is a link that says 'No Account? Sign up'.

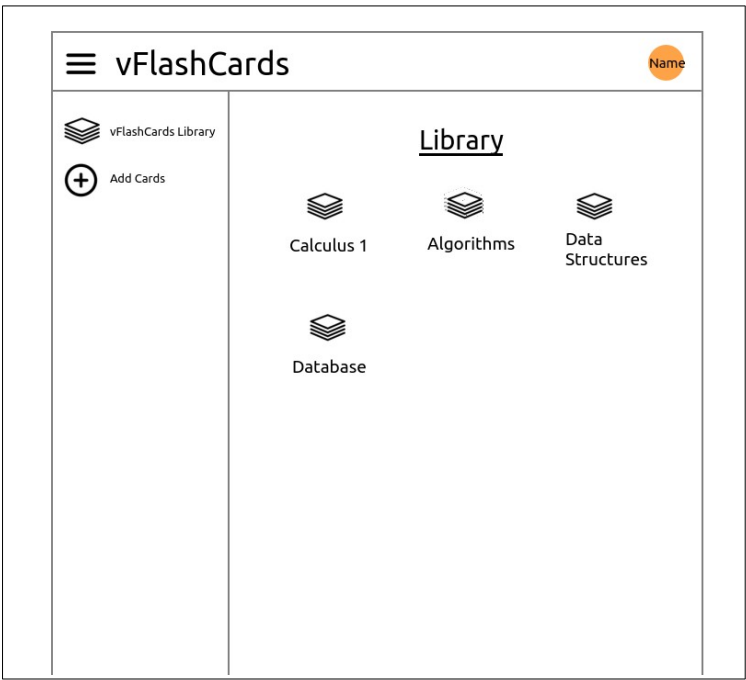
Sign up:

The wireframe for the Sign up page is enclosed in a large rectangular border. It features a white rectangular box with a thin black border. Inside this box, the text 'vFlashCards' is at the top. Below it are four input fields: 'First Name', 'Last Name', 'Email', and 'Password'. At the bottom of the box is a red button with the text 'Sign up'.

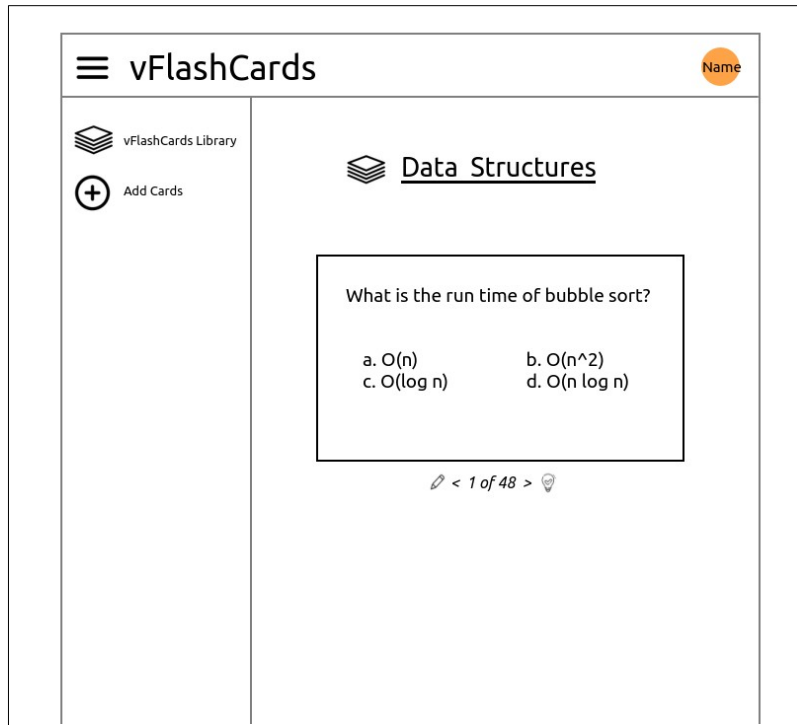
User profile page:



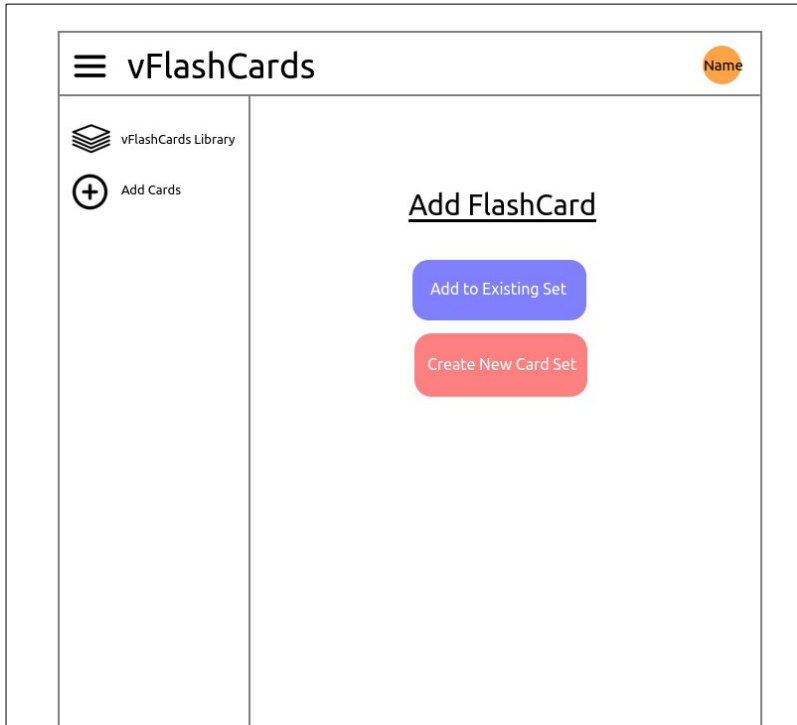
Flashcards library:



View of a flashcards set:



Add cards page-1:



Add cards page-2:

vFlashCards

Name

vFlashCards Library

+

Add Cards

Add FlashCard

Title of New Card Set

Add New Card

Add cards page-3:

vFlashCards

Name

vFlashCards Library

+

Add Cards

Add FlashCard

Sample Title

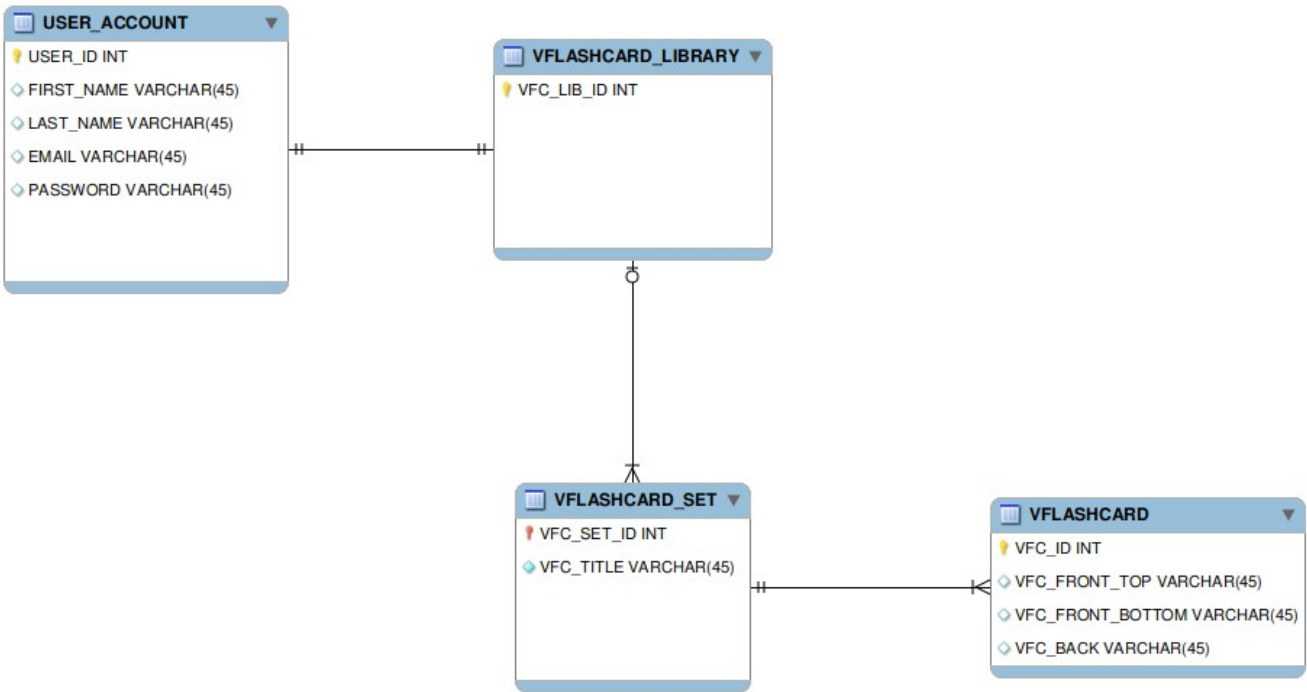
Enter text (front side)

Enter text(reverse side)

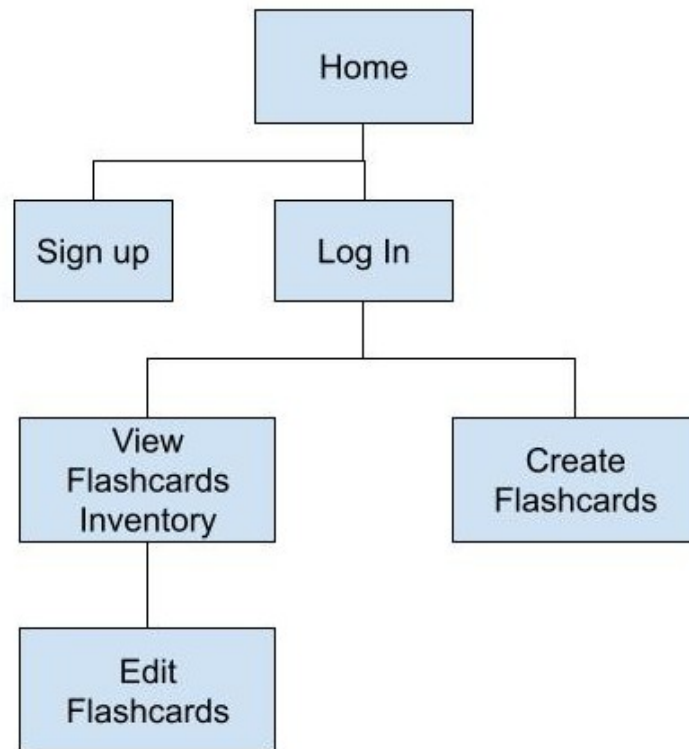
Add cards page-4:

vFlashCards Name	
vFlashCards Library Add Cards	<h2><u>Add FlashCard</u></h2> <p>Sample Title</p> <hr/> <div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="position: relative;"> ⤴ <p style="text-align: center;"><u>Enter text(reverse side)</u></p> </div> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> Save </div> <div style="text-align: center;"> Add Another </div> </div>

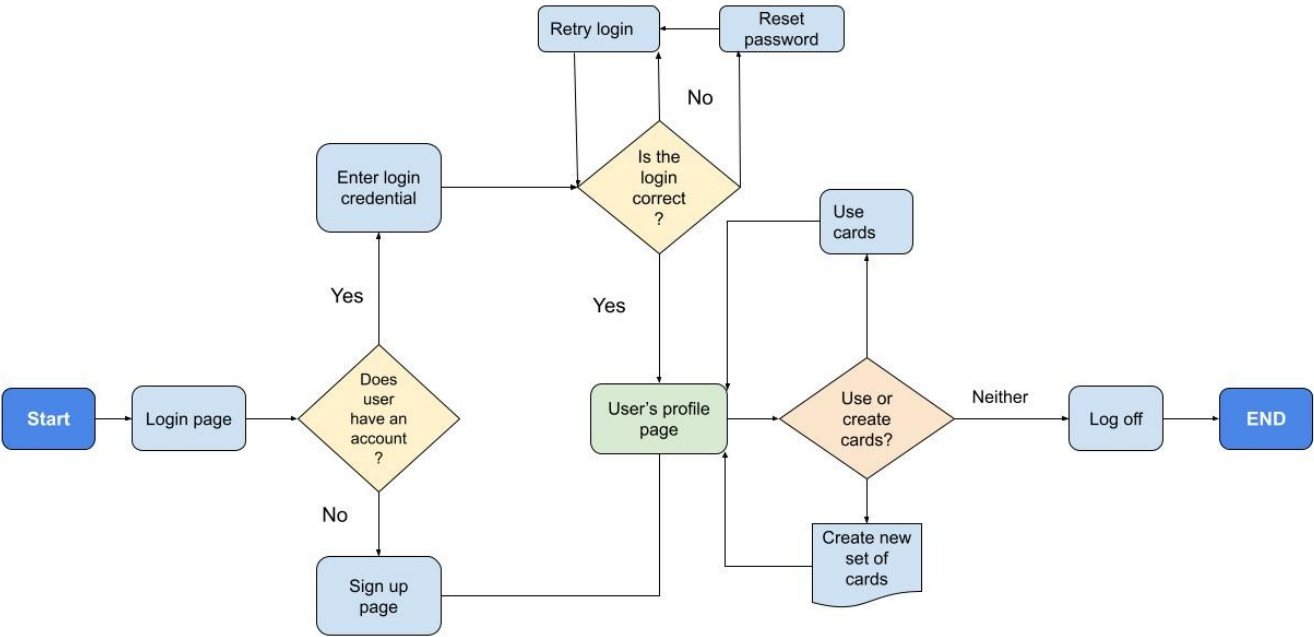
ERD Diagram



Sitemap



User Flow Chart



Tentative Schedule

Task	Description	Due Date
Research on the type of DB to use	Debate on whether to go with NoSQL or relational DB	09/13/23
Refine the existing ERD model	Follow up during CTP office hours	09/13/23
Refine user workflow	Refine the existing version as seen in initial design document	09/17/23
Built out the backend	Using Express, NodeJS, DB (TBD)	09/30/23
Built out the frontend	Using React	10/15/23
Deliver minimum viable product		10/30/23
Incorporate vFC sharing	Allow site members to share sets from their library	11/15/23
Incorporate Deepl	Language translation (tentative)	11/15/23
Incorporate localization	Tentative	11/25/23
Incorporate internationalization	Tentative	11/25/23