

# SENIOR PROJECT II

## SPRING SEMESTER 2022

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### 03 March 2022

Our project consists of not just developing a web application that does flash cards to help students learn, but also consists of a game that will allow them to learn in a fun way. For the game, Dom, our game developer, was able to create a game and figured out how to control the character in our game. Ishi was able to create a login and register page for students and teachers to create and log into their account, as well as retrieve different decks and the individual flashcards for each deck. Lastly, Ishi has made the flashcards with a text option, buttons to show the definition and term, and a 'I got this' in an attempt to fix Quizlet's issue with spelling out answers and make the app more engaging academically for students. Tedy has created a page for teachers to add and name a class.

We have also come to the conclusion that we will no longer be using the course\_instructor and course\_period field in which we initially began with since there is only one teacher that will be testing out the application. We will also update the entity relationship program where it has been removed. The following is a schedule and action table for each individual present and future task within the days to come. Each member however has helped other members of the team as much as they can.

### Functional Requirements

- 1) Login and Registration DONE - Ishi
- 2) Retrieve and study flashcards DONE - Ishi
- 3) Create classes and add registered users to classrooms -Tedy

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- 4) Create, Edit, Delete, flashcards / decks for classrooms - Tedy/ Ishi
  - 5) Allow students to study flashcards ONLY for those classes they are enrolled in  
-Tedy/Ishi
  - 6) Study via game - Dom

## Schedule for each individual

### Tedy

DATE	ACTION
3/4/2022 - 3/07/2022	<ul style="list-style-type: none"><li>• Connect submissions data from the TeacherLoadIn page to the database</li><li>• Create a form that allows teacher to add students based on their email<ul style="list-style-type: none"><li>◦ Email should corresponds to student_id</li></ul></li><li>• Form that allows teachers to add flashcards with deckname for a specific class</li></ul>
3/08/2022 - 3/11/2022	<ul style="list-style-type: none"><li>• Have the previous form submit data with correct foreign key info (course_id) into the flashcard table</li><li>• Brush up on the CSS code to make the student and teacher page look nice</li></ul>

### Dom

DATE	ACTION
3/4/22-3/14/22	<ul style="list-style-type: none"><li>• Finish coding background and obstacles for the game</li></ul>
3/4/22-3/14/22	<ul style="list-style-type: none"><li>• Fix loading page</li></ul>
3/15/22-3/22/22	<ul style="list-style-type: none"><li>• Load in test flashcards</li></ul>

### Ishi

DATE	ACTION
3/4/22 - 3/14/22	Color code flashcards via difficult and add "difficulty" field to DB and implement

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	sessions of Heroku
3/4/22 - 3/14/22	Verify additional requirements and specifications with client
3/15 - 3/24	Make sure all code is up to standard Fix any issues with code / heroku Ensure product fulfills client's need via a demo/ testing with users/ screenshots/ etc.

Last few weeks of March and early April will consist of CRUD operations of flashcard creation and the completion of the game with time to test/refine application as needed.