

# TheALLDictionary

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Quick Reminder

# Reminder: What problems will TheALLDictionary solve?

## Problems:

1. People need to look up words, but just 1 source may not be sufficient to understand.
2. While you can look up words across multiple sites...
  - a. time consuming and
  - b. hence some users just give up trying to understand the word.
3. Once they look up the word they may want to study it further for memorization.

# Reminder: How TheALLDictionary will solve this problem?


## Solutions:

1. Our website will make it convenient for users to look up a word from 8 different sources.
2. Next, our website will integrate this look up into long-term knowledge via...
  - a. the ability to review
  - b. take quizzes on the words they lookup.



Updates with UI design

# UI - Sign-in page

 TheALLDictionary

Search Quiz Card Shop

Sign Up Sign In

## Sign in

Use The ALL Dictionary


Email Address

Password

Sign in

[Don't have an account yet Sign up.](#)

# UI - Sign-up page

TheALLDictionary

[Search](#) [Quiz](#) [Card](#) [Shop](#)

[Sign Up](#) [Sign In](#)

## Sign up

Use The ALL Dictionary

**User ID**

**Password**

**Name**

**Nickname**

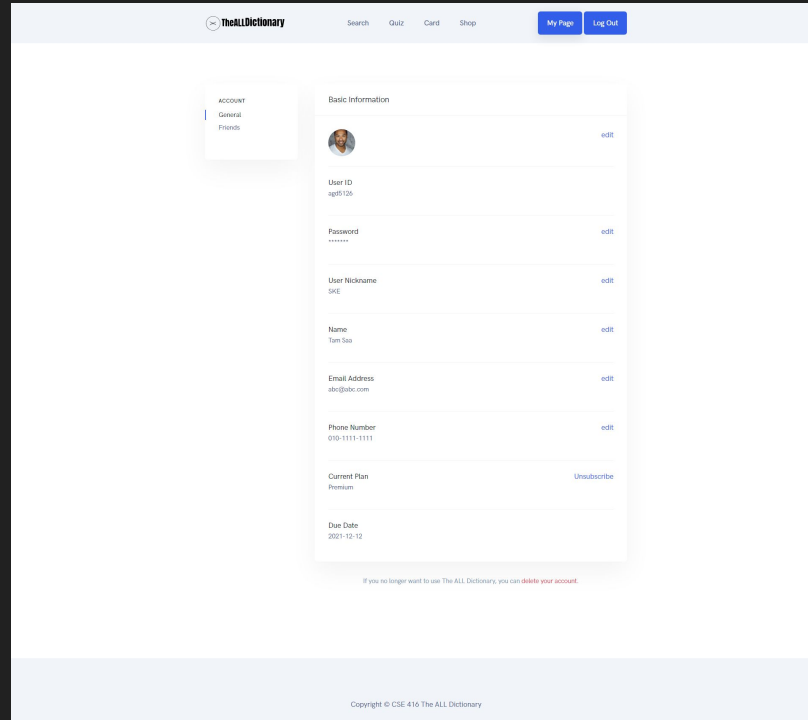
**Email Address**

**Phone Number**

Sign up


Already have an account? [Log In.](#)

# UI - My page





# UI - Subscription page

 TheALLDictionary

[Search](#) [Quiz](#) [Card](#) [Shop](#) [My Page](#) [Log Out](#)

PREMIUM

\$3/mo

✓

 Test your learning by words challenge

✓

 Make your own note cards

✓


 Share your word packages with your friends

Payment

Name

Card number

Exp. Date

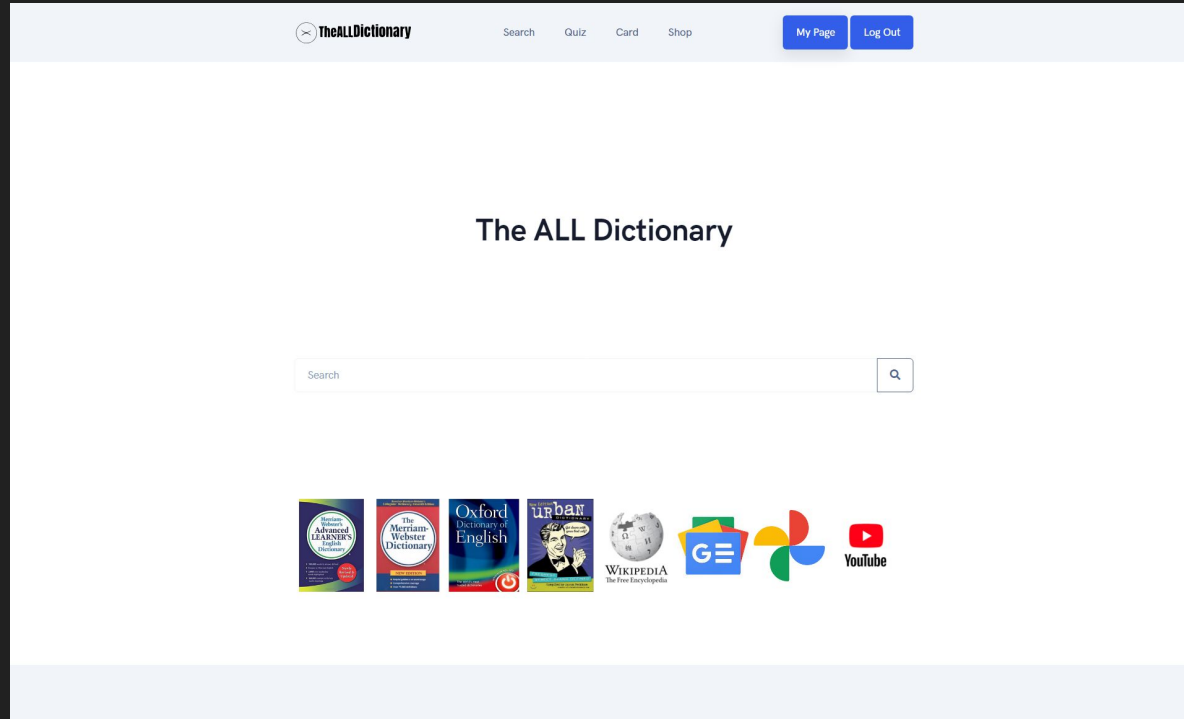


Pay for the premium

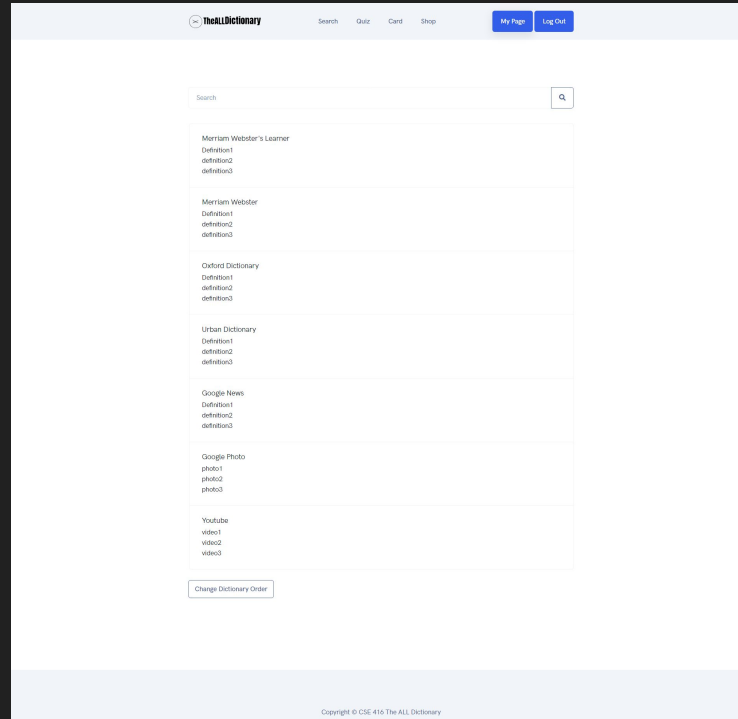
If you no longer want to use Landkit, you can [delete your account](#).

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# UI - Search page



# UI - Search results page



# UI - Dictionary order change page

The ALL Dictionary

[Search](#) [Quiz](#) [Card](#) [Shop](#) [My Page](#) [Log Out](#)

## Change Dictionary Order

1. First Order

Open this select menu

2. Second Order

Open this select menu

3. Third Order

Open this select menu

4.

Open this select menu

5.

Open this select menu

6.

Open this select menu

7.

Open this select menu


8.

Open this select menu

Change

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# UI - Card page


TheALLDictionary


SearchQuizCardShop


My PageLog Out


Search History

☐ Programming 

☐ Improve 

☐ Third checkbox 

☐ Fourth checkbox 

☐ Fifth checkbox 

Add New Package

Make Your Own Cards!

Choose Image

List #1 ▾

Write the Word

Programming

Part of Speech

Noun

Write the Definition

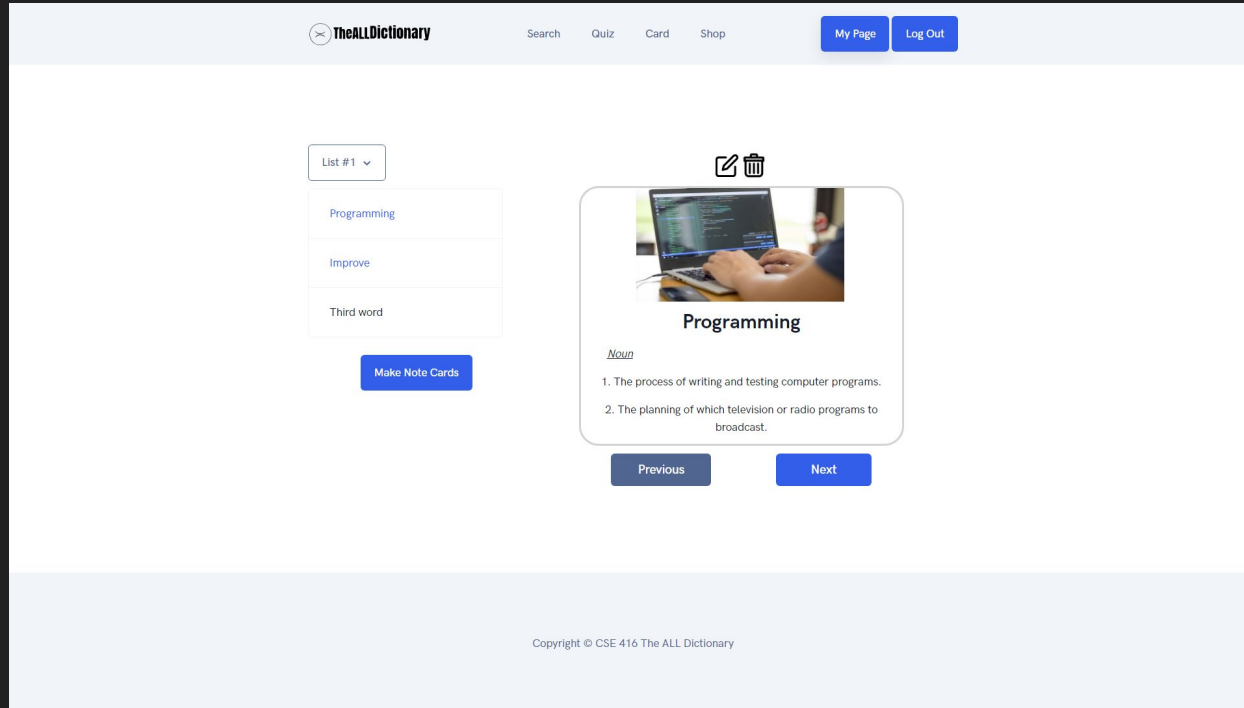
1. The process of writing and testing computer programs.

Cancel

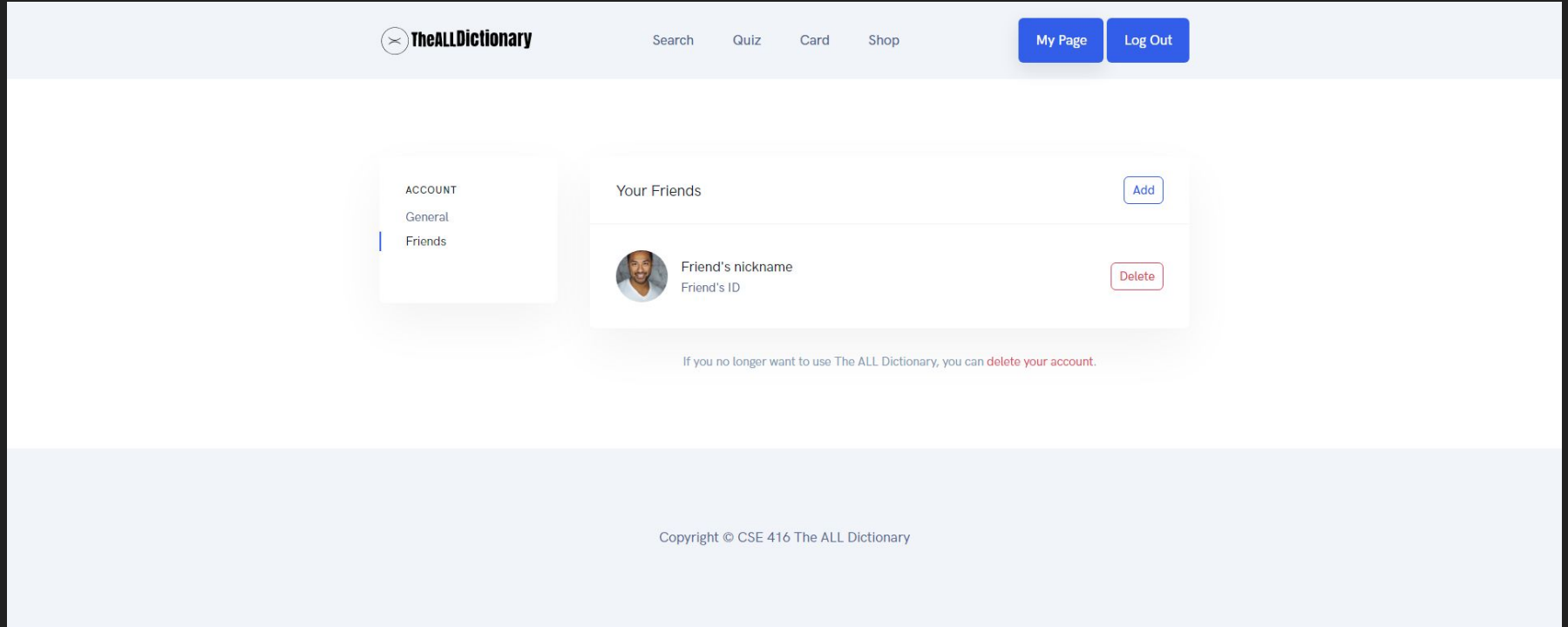
Save

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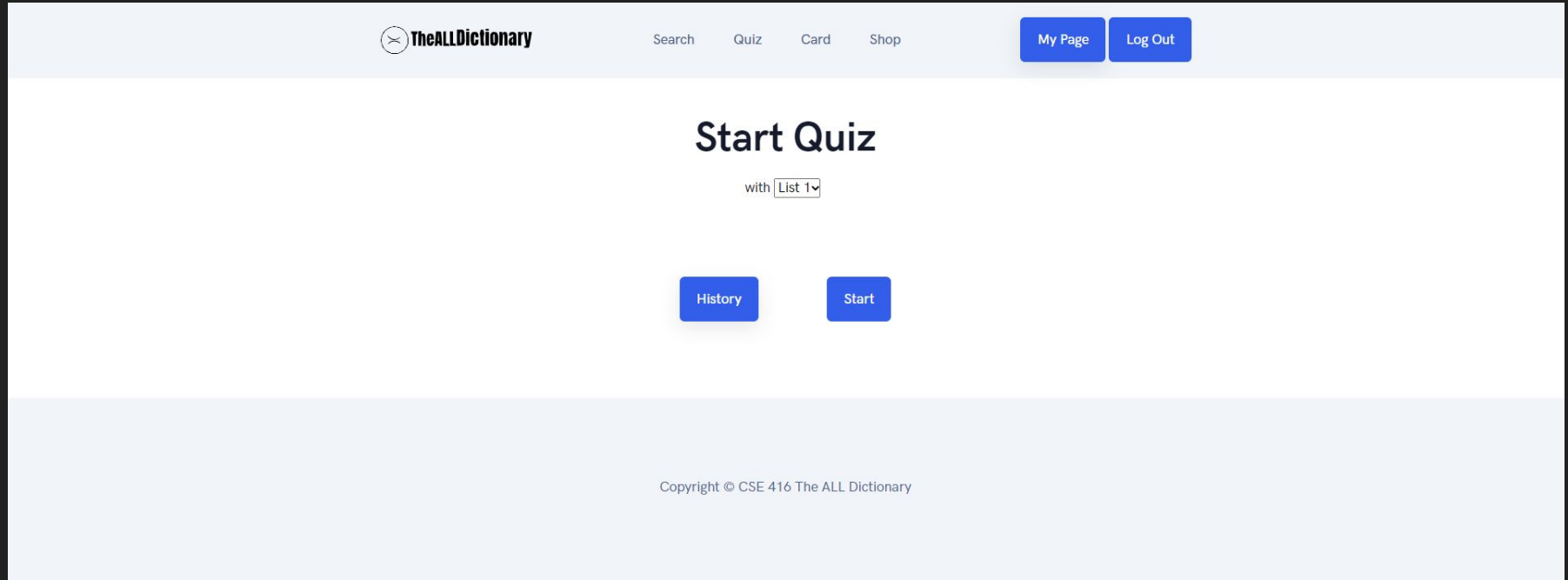
# UI - Sample of a saved note card



# UI - Friends page




# UI - Start quiz page





# UI - Sample multiple choice question in a quiz

 TheALLDictionary

Search Quiz Card Shop

My Page Log Out

Question 10 of 10

1. The process of writing and testing computer programs.

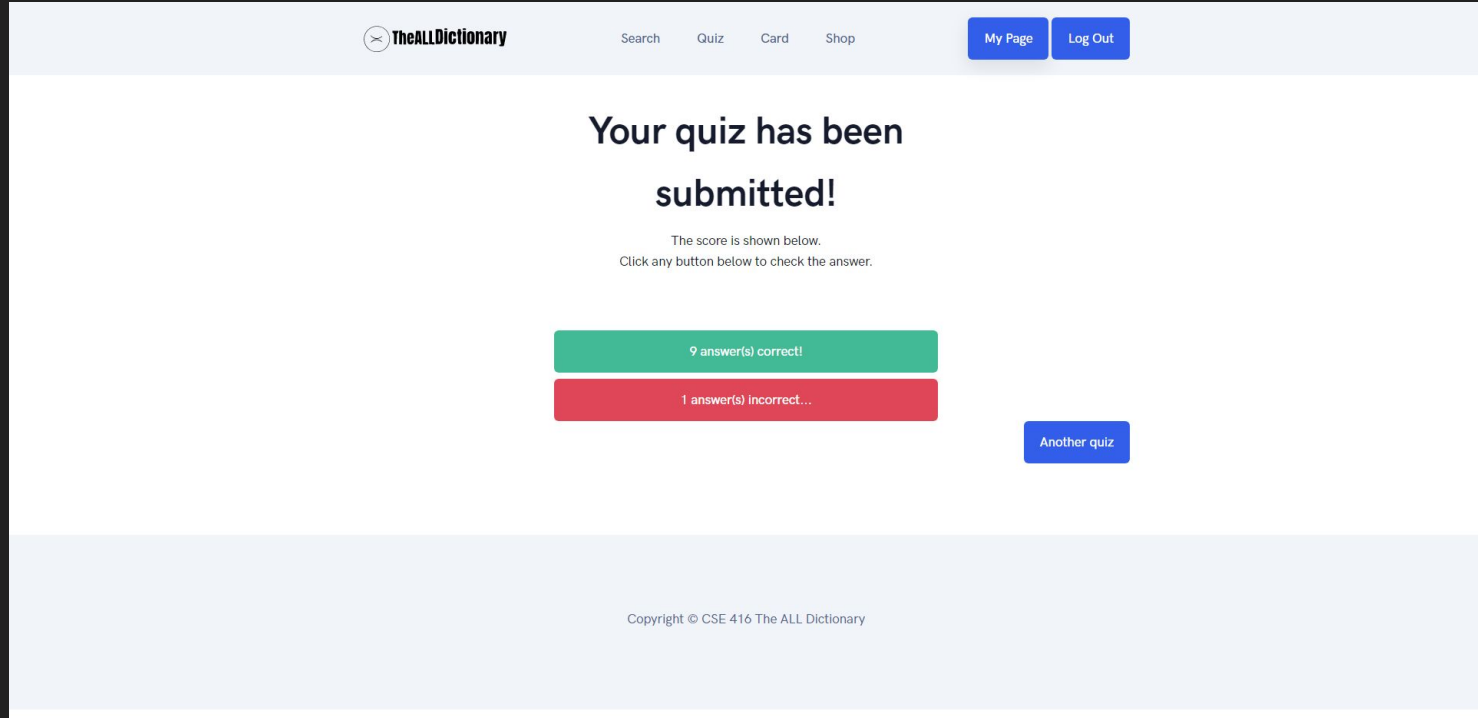
2. The planning of which television or radio programs to broadcast.

Programming React Active Database

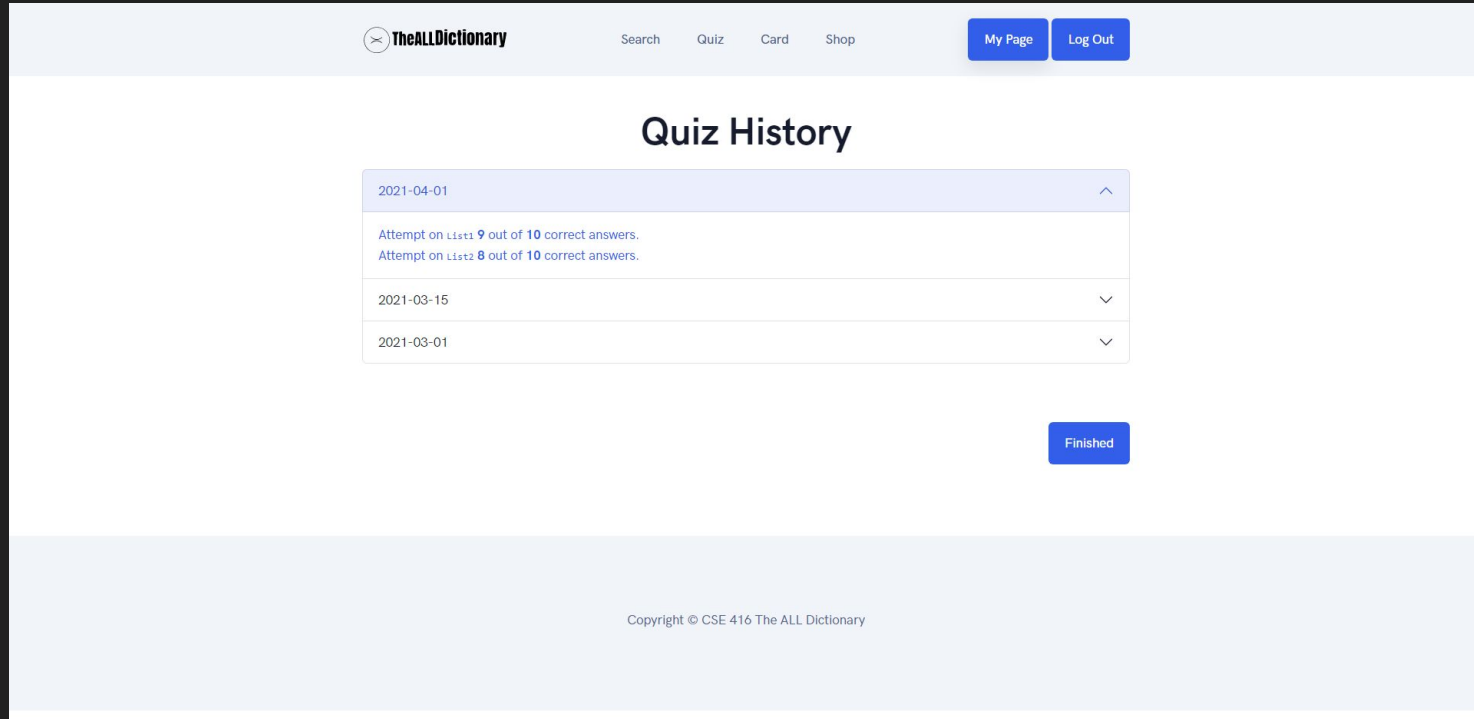
Previous Next Submit

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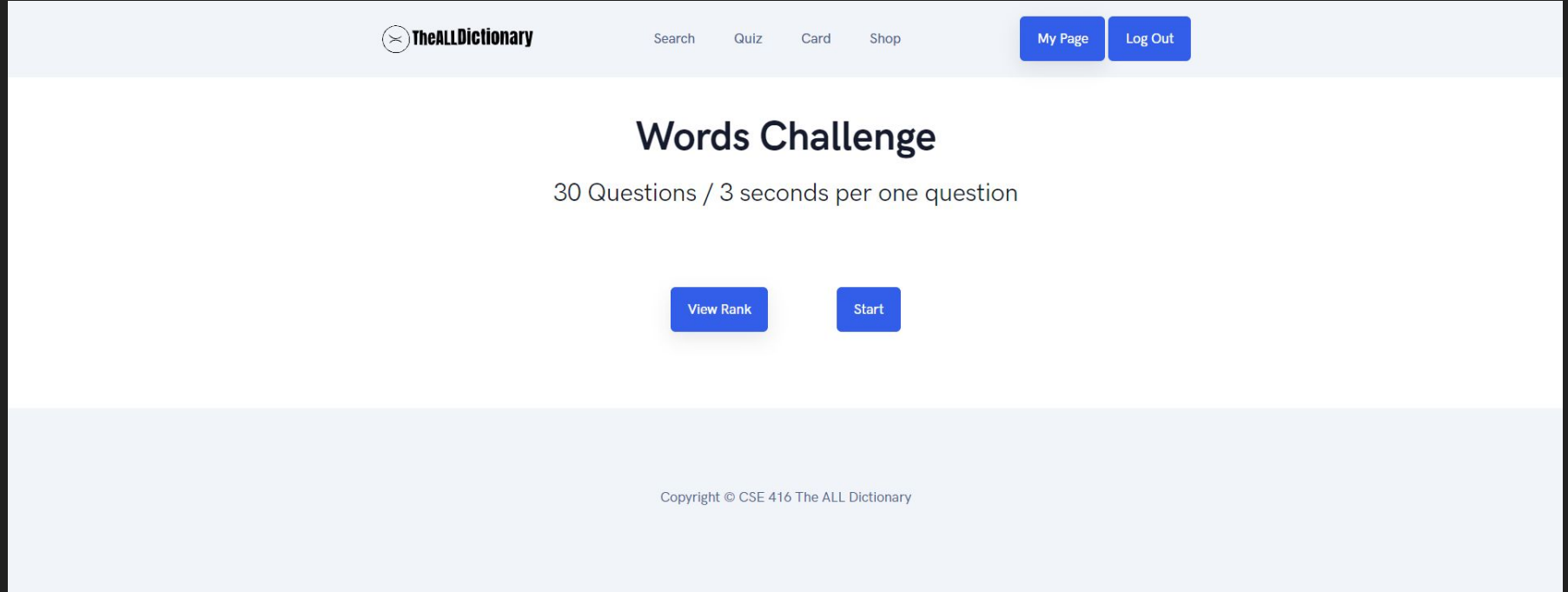
# UI - Quiz result page




# UI - Quiz history page



# UI - Start words challenge page



# UI - Sample multiple choice question in a word challenge

 TheALLDictionary

Search Quiz Card Shop

My Page Log Out

Question 15 of 30

3 seconds remaining

1. The process of writing and testing computer programs.

2. The planning of which television or radio programs to broadcast.

Programming

React

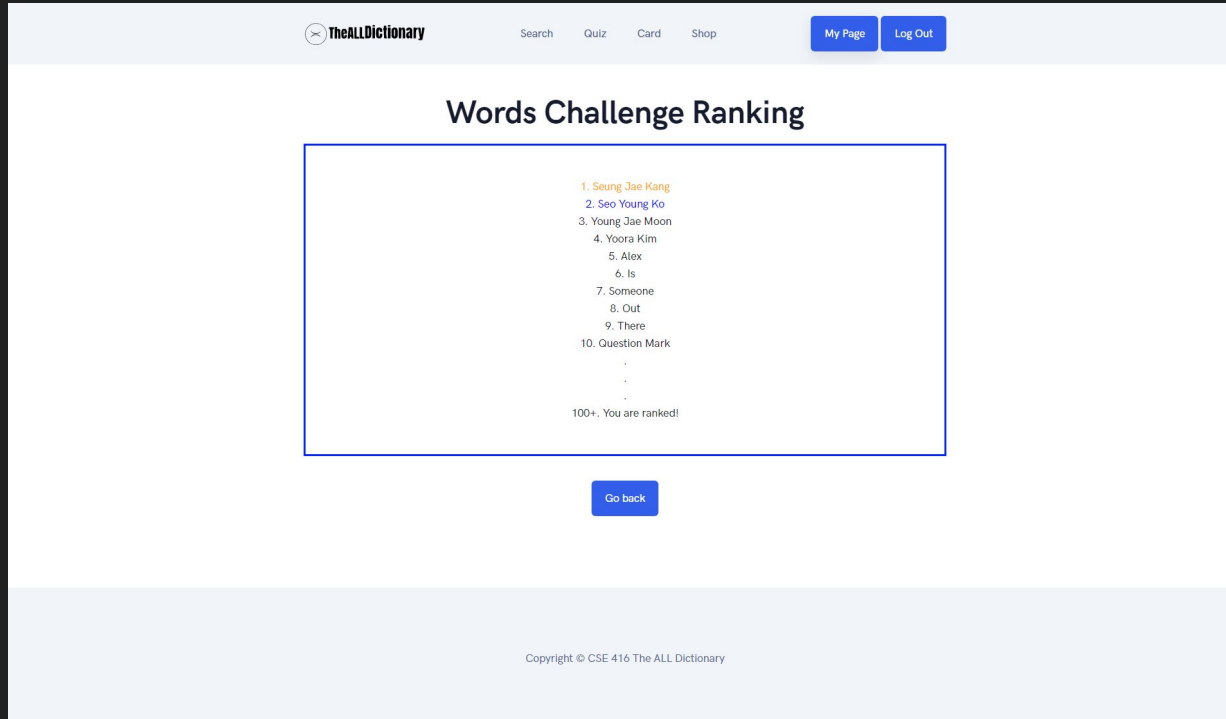
Active

Database

next

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# UI - Rank page



# System Architecture Overview

# Programming Languages used - 1. JavaScript

Version number: ECMAScript 2020

JavaScript improves the user experience by allowing the pages to be interactive.

ECMAScript 2020 is the latest stable version of JavaScript.





# Programming Languages used - 2. Python

Version Number: 3.9.4

v3.9.4 is the latest stable version of Python.

According to Flask documentation, the latest version of Python is recommended.



# DBMS used - 3. MySQL

Version Number: MySQL Community Edition  
8.0.23

MySQL Community Edition is free to use.

MySQL is the most popular RDBMS.

Relational database allows normalization to reduce data redundancy and improve data integrity.

All the members in our team learnt MySQL while taking CSE 305 in Spring 2020.

v8.0.23 is the latest stable version of MySQL.

Amazon RDS supports MySQL Community Edition version 8.0.



# Frameworks used - 1. Bootstrap

Version Number: v5.0.0-beta 3

Bootstrap saves time to stylise the website.

jQuery is removed for Bootstrap 5 which, in turn, increased performance compared to when using Bootstrap 4.

Bootstrap 5 supports responsive font sizes.

Bootstrap Navbar has been optimised for Bootstrap 5.

We can integrate Bootstrap and Flask using the Flask-Bootstrap package.

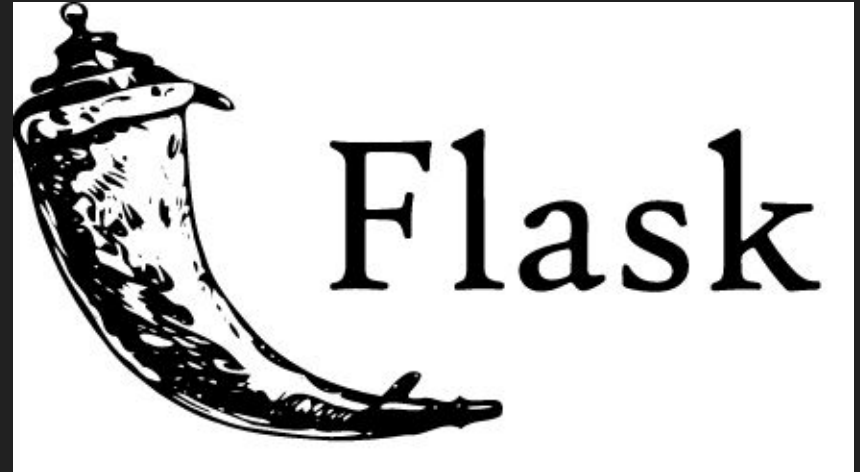


# Frameworks used - 2. Flask

Version number: 1.1.2

Flask is a microframework that enhances the performance of a web app.

v1.1.2 is the latest stable version of Flask.



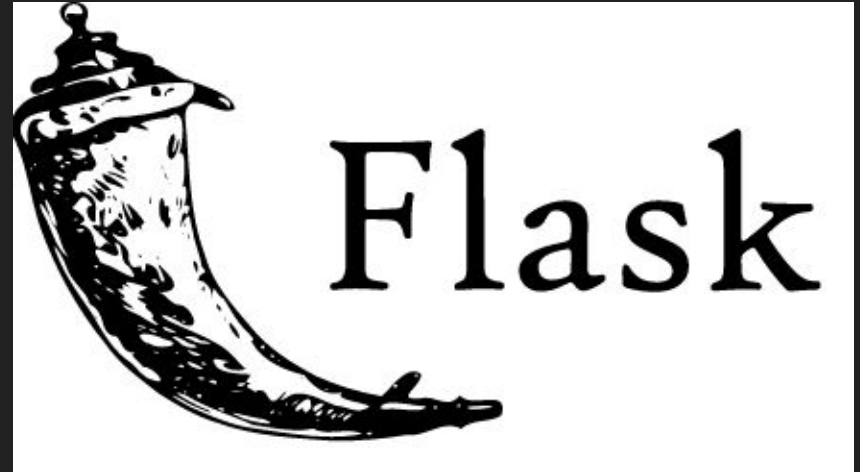
# Libraries used - 1. WerkZeug

Version Number: 1.0.1

WerkZeug will be used to encrypt the passwords of all accounts created.

WerkZeug is developed by Flask.

v1.0.1 is the latest stable version of WerkZeug.

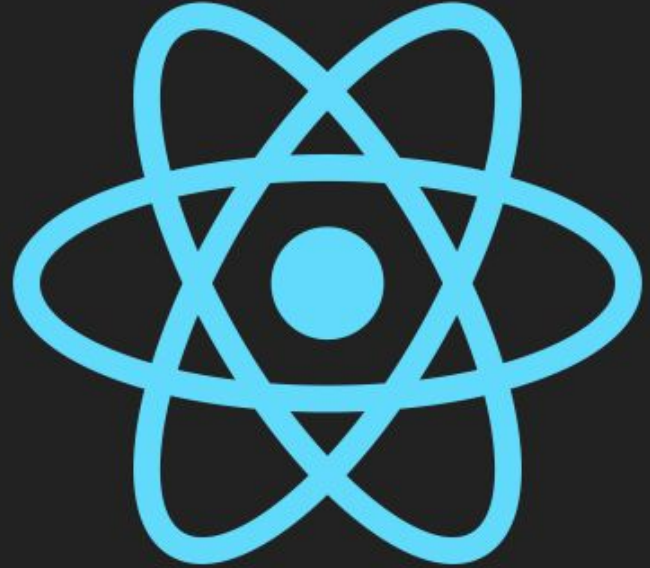


# Libraries used - 2. React

Version number: 17.0.2

React will be employed only for front-end functionalities that cannot be implemented by Bootstrap.

v17.0.2 is the latest stable version of React.



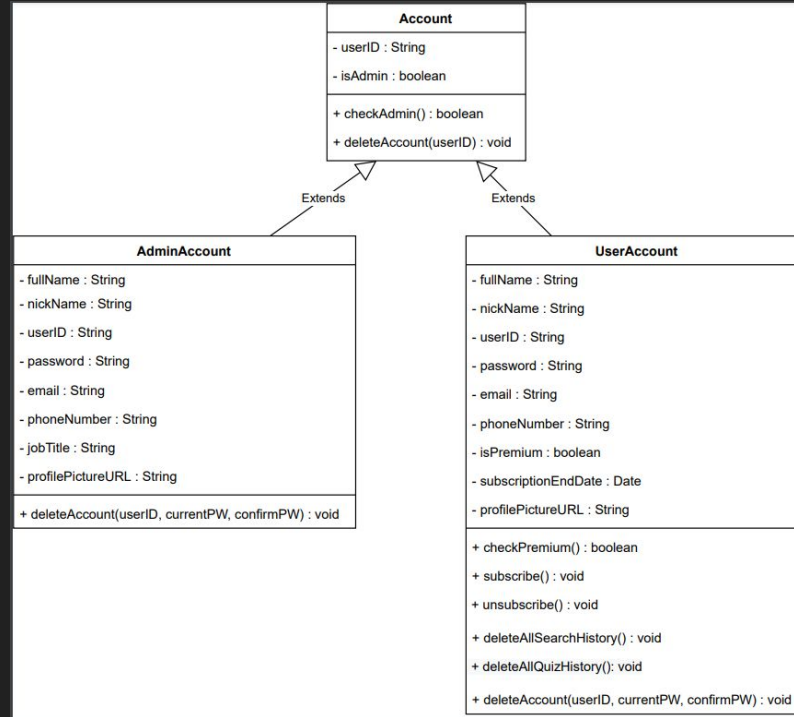
# API used

1. Merriam-Webster's Learner's Dictionary with Audio (v3)
2. Merriam-Webster's Collegiate® Dictionary with Audio (v3)
3. Oxford Dictionaries API (v2.5)
4. Custom Search API (N/A)
5. YouTube Data API (v3)
6. INIAPI\* (v1)

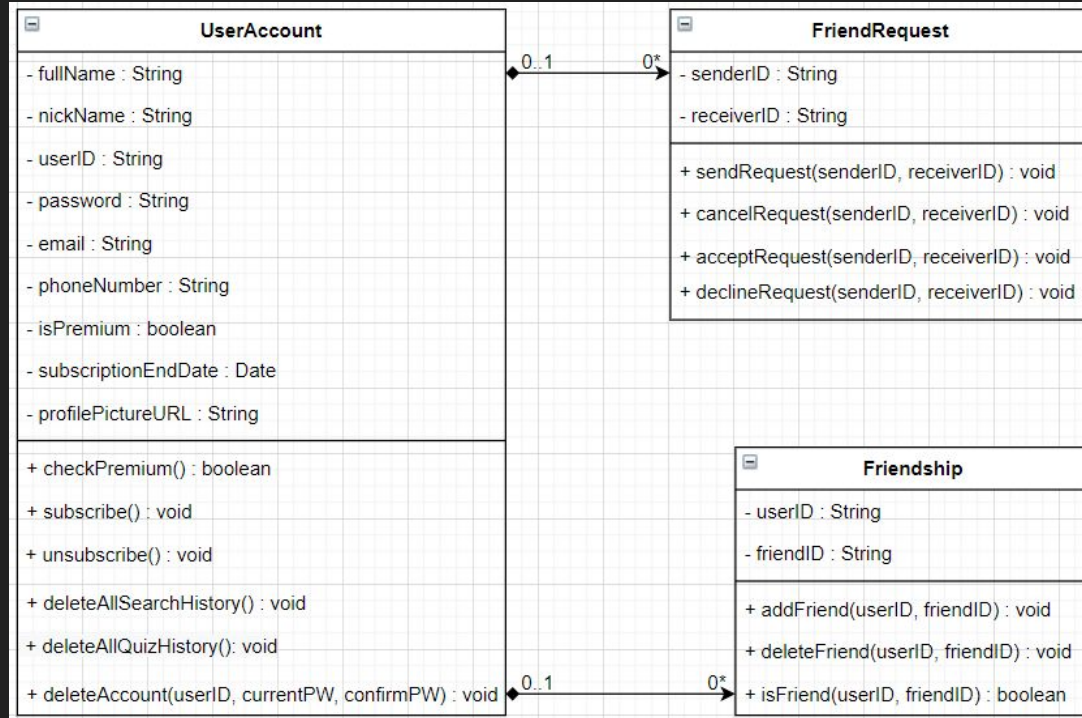
# UML Class Diagrams



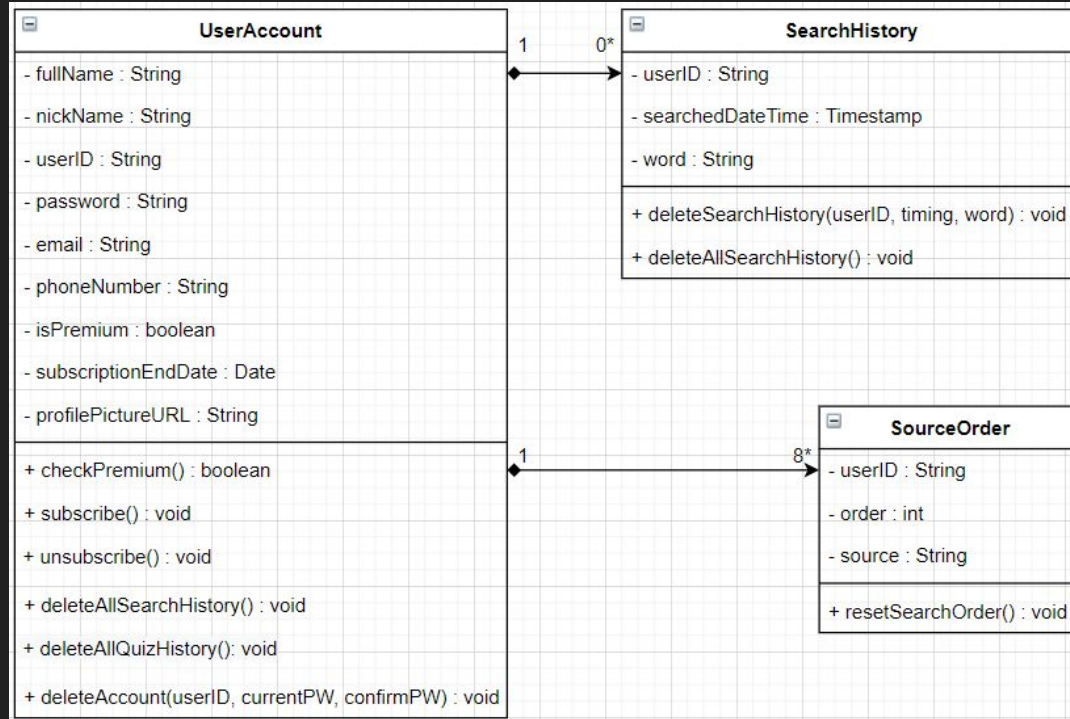
# UML Class Diagram - Types of Accounts



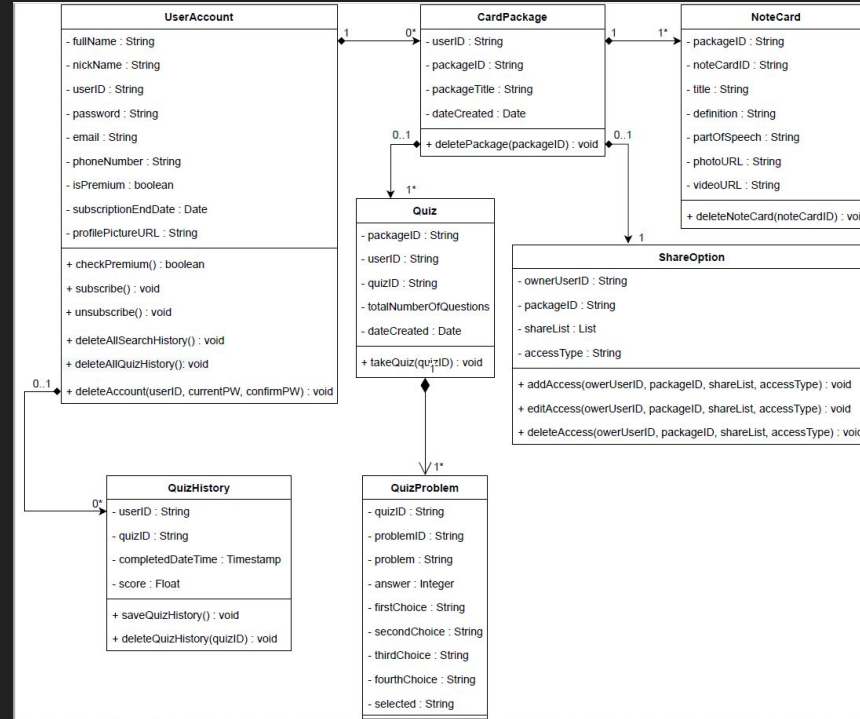
# UML Class Diagram - Friends Feature



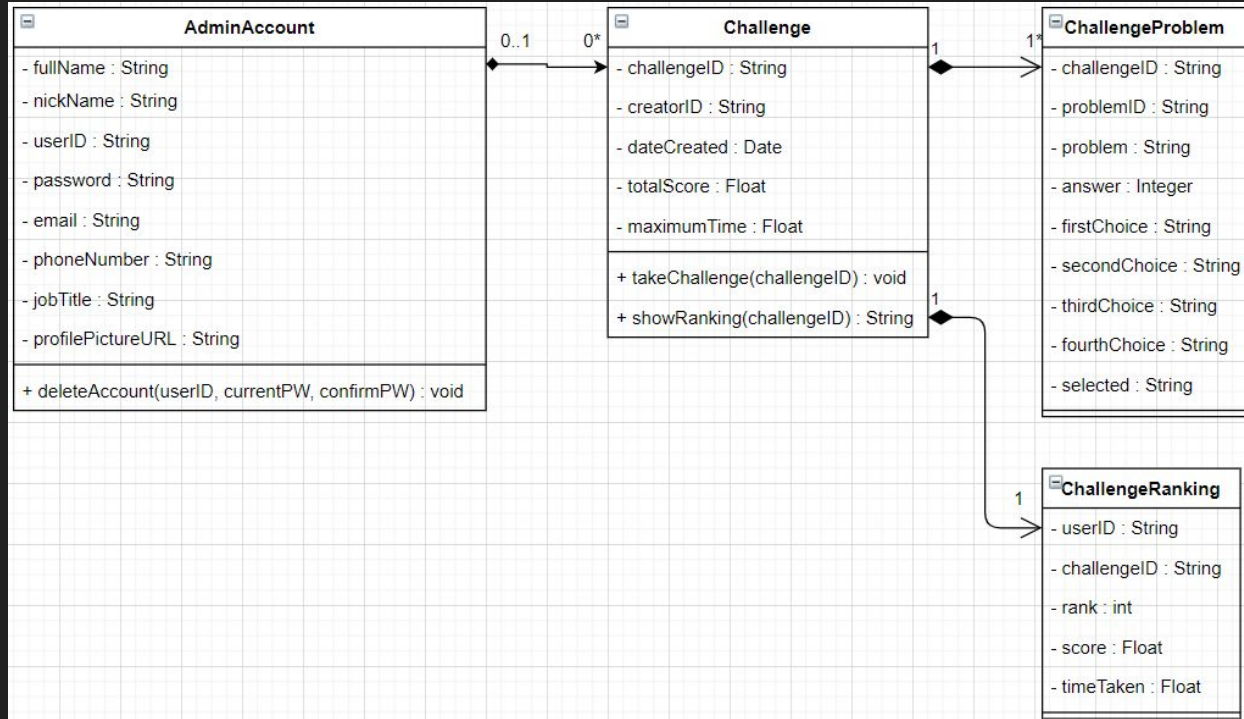
# UML Class Diagram - Search History & Search Options



# UML Class Diagram - NoteCards and Quizzes

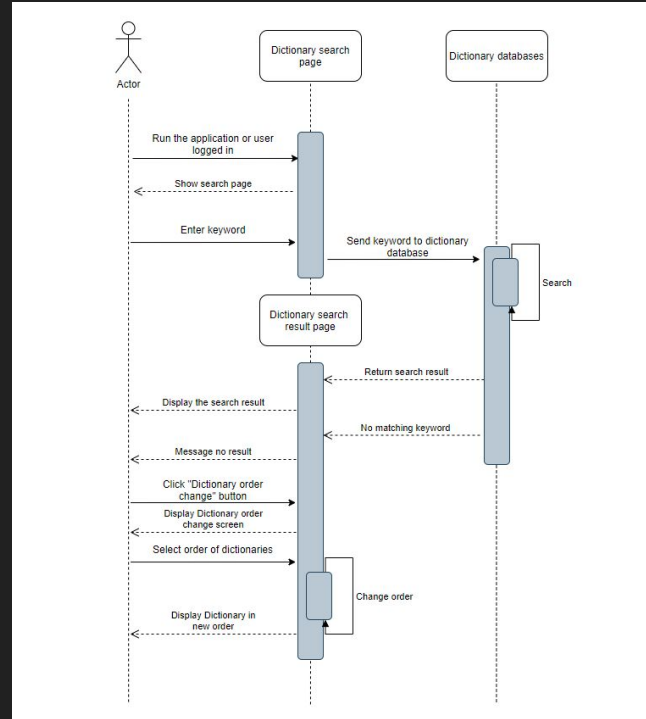


# UML Class Diagram - Challenge

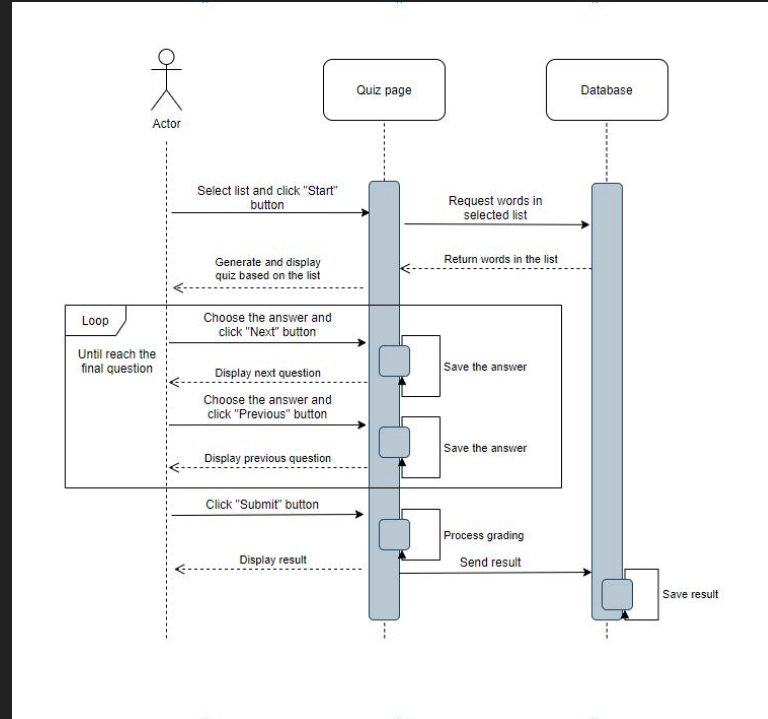


# UML Sequence Diagrams

# UML Sequence Diagrams - Dictionary search feature



# UML Sequence Diagrams - Quiz feature





# Schedule

# Overall description of the schedule

Aim: Finish all of the functional requirements by milestone 3, which is the date for the beta release.

In milestone 4,

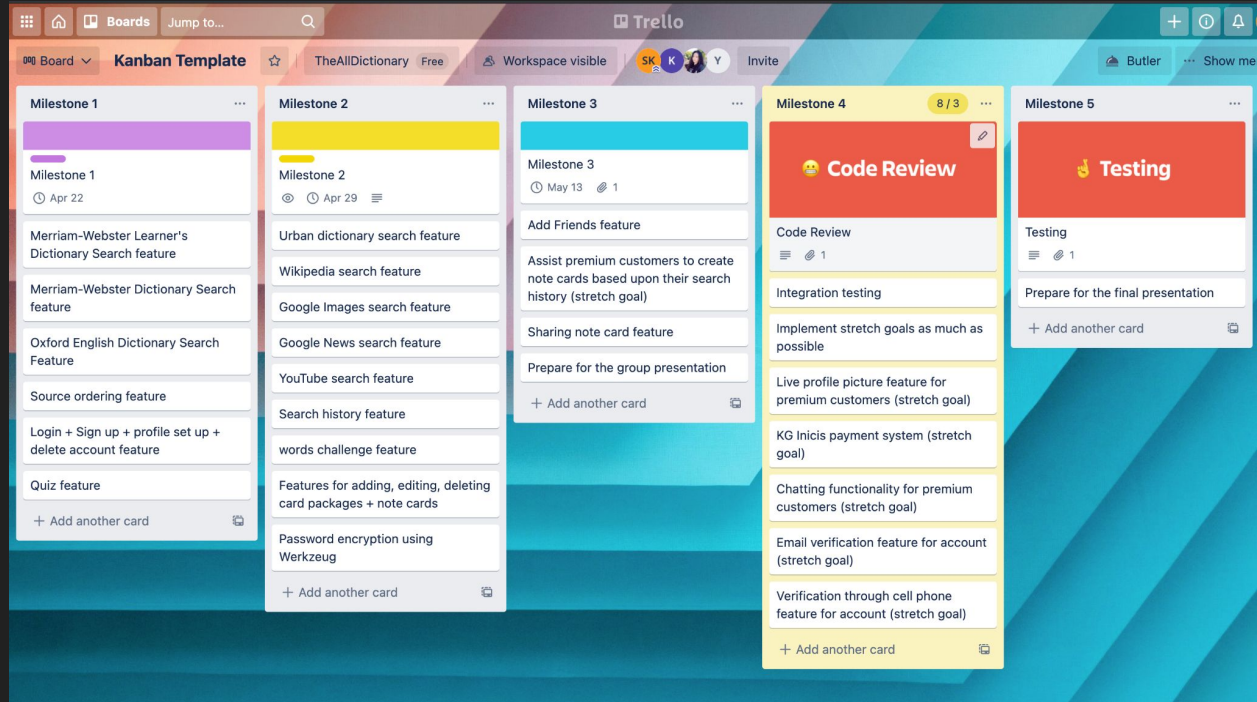
1. start integration testing of these functionalities
2. work on the stretch goals

In milestone 5,

1. we will only work on testing each functionality
2. debugging the code if necessary

For each milestone, each of us will do a code review which incorporates checking code conventions and formatting.

# Kanban board



Ask sth!