Scrabble for the Rabble

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Project Vision and Description

Vision: To create an ad-free application that enables users to improve and track their scrabble gameplay

Description: Scrabble for the Rabble is a web application that allows users to improve their gameplay by assisting in word creation and score maximization via a word search function based off a user's available letters. Also, the app allows for users to track their highest scores and monitor their game play progress via a score page.

Tools

Github

Trello

Render Website Hosting

Render Database Hosting

Flask

Github

Purpose: Repository that stores all the code and documentation for the project in one place

Evaluation: Good

- Free Repository
- Easy Access for all group members
- Easy connection to render for website hosting
- Ran into some issues when multiple people were trying to push changes at the same time. Really more of an annoyance when having to merge multiple times before being able to push.

Trello

Purpose: Project management tool for organizing and tracking tasks

Evaluation: Good

- Visually clean card system that fits well with Agile principles
- Flexible functionality in terms of adding team members to tasks and updating status of tasks
- Lessens complexity of remote team communication by giving one place where all team members can check on status of tasks

Render Website Hosting

Purpose: To host flask application and render it publicly online

Evaluation: Good

- Easy to set up and connect with database
- Allowed team to visualize and test the application, even in a remote environment
- Loaded new changes when they were pushed to Git (with a lag)

Render Database Hosting

Purpose: Store the user profiles and user data from the application

Evaluation: Good

- Simple connection set up
- Free database storage
- Connection inside and outside of render applications
- Lacked database visualization tools available in some other free database storage systems

Flask

Purpose: Web framework used to develop our application.

Evaluation: Excellent

- Good documentation available
- Easy to get started and setup routes
- Allowed simple connection to our database

Challenges

- Working remotely
- Passing information from one tool/programming language to another
- Using Git in a team setting
- Learning the various new tools needed to develop our app.
- Agile process can be difficult to implement when learning the development tools simultaneously

Demo