

CSC 667/867 Fall 2017

Term Project

Milestone 2:
Heroku Deployment and Database setup

Game Name: Scrabble

Team Name: term-project-667-project-alavi-chalke-mazumdar-shah-vora

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1. Team name

Team Name: term-project-667-project-alavi-chalke-mazumdar-shah-vora

Game name: Scrabble.

2. Team members

- Ajinkya Chalke
- Neharika Mazumdar
- Ali Alavi
- Rushabh Vora
- Risha Shah

3. Links to the deployment

a. Heroku link

<https://shrouded-reaches-66481.herokuapp.com/>

b. Github link

<https://github.com/sfsu-csc-667-fall-2017/term-project-667-project-alavi-chalke-mazumdar-shah-vora>

4. Discussion of problems encountered

The instructions provided for setting up and deploying the Express.js framework were pretty straight forward. But still there were some missing links in the instructions which caused problems during the setup. A brief mention of the problems and how we solved it is as follows.

- a. We encountered problems in the password authentication of the username for the database. This was because we had a default username 'postgres' created when we configured pg admin which was apparently not an appropriate role. We tackled this problem by creating a new role for the database and assigning the appropriate attributes to it.
- b. We also faced problems in using the appropriate modules and methods for connectivity to the database. The key value pairs to be used in the database URL also differed in the pg and pg-promise modules. Regarding the database URL we faced the issue of not being able to connect to the database when we set the value of the environment variable to the database URL, but were able to do so after specifying the string in the connection as a parameter. We then understood that the code was looking for

NODE_ENV environment variable which was not set in our environment. Setting its value to 'development' solved the issue.

- c. Being novices to node and Express, we were also oblivious about the use of middleware as functions and the connectivity of different modules as routes, module export, etc. This lead us to read deep in the working knowledge of Express and helped us resolve most of our doubts.

5. Discussion of the setup for team development

We will be using Asana for team development which is a web and mobile application designed to help teams track their progress. Tasks can be assigned easily to team members with a due date and/or a priority and their progress can be monitored via the task list as members can view each others tasks and follow them. It can be configured easily to send emails to members upon any updates or task completions. Tasks can be divided into subtasks as well to divide it into smaller chunks and give responsibility to multiple people for a larger task. Asana coupled with Github for code development and Slack for communication should be sufficient enough for a smooth team functioning.