AllDogsGoToHeaven - Addison Huang, Claire Liu, Dennis Chen, Damian Wasilewicz
P#01 - Arrested Development
Softdev1 p06
Task The Second - The Plan
2018- 11- 21

What is Trivia?

Features

Authentication
- Allows unregistered users to create an account
- Logs in previously registered users
- Keeps users logged in between sessions
- Allows for logout
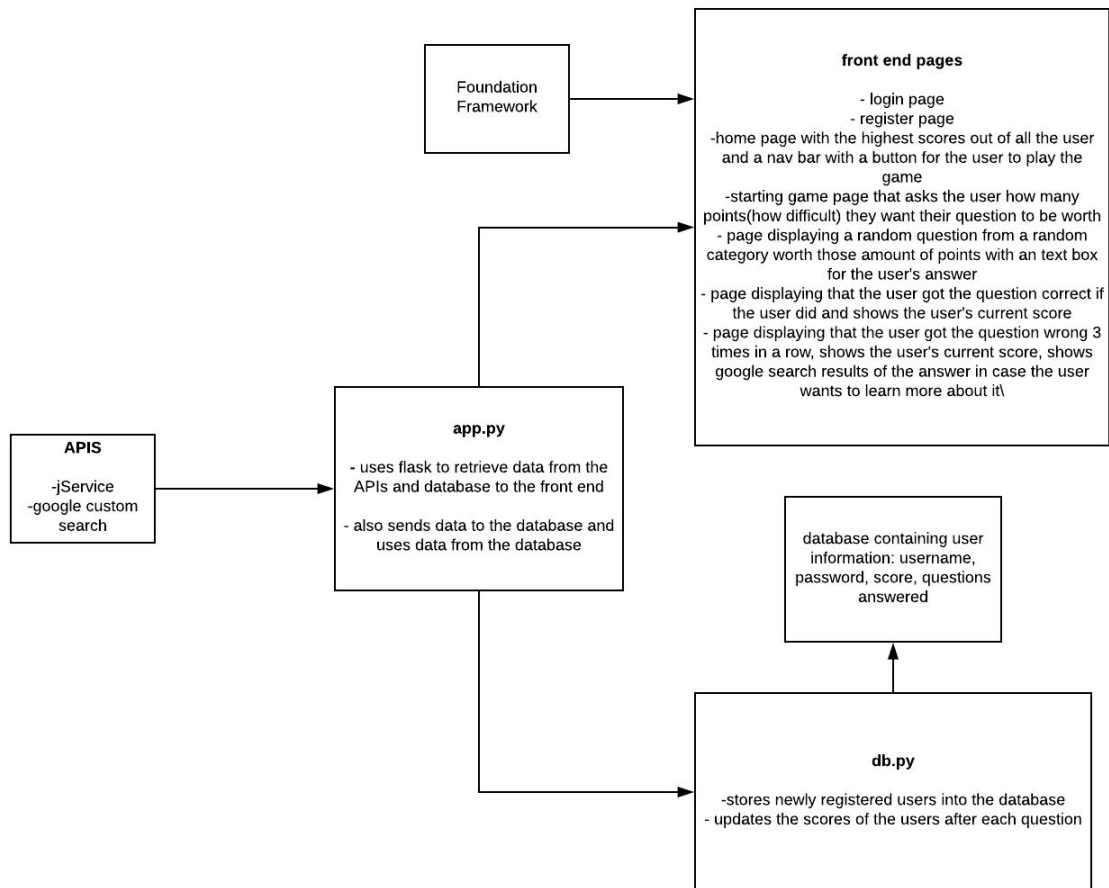- Users must log in in order to do anything

High Scores
- The user can see a list of the highest scores out of everyone who has played the game on the home page

Playing the Game
- Activates after clicking the play game button on the navigation bar
- First the user chooses how many points they want their question to be
- Then the user is given a random question from a random category from the jService API worth those amount of points
- If the user gets the question correct, the user gains that many points, but if the user answers the question incorrectly three times, the user loses that amount of points
- After submitting the answer
    - if the user gets the question wrong, the user will be shown the correct answer with the search results that google would provide for that answer using the google search API so the user can learn more information about the topic
    - if the user gets the question right, the user will be sent to a page telling the user that the answer is correct.
- The user can stop playing the game at any time as the user's points will be stored inside a database

Component Map

Foundation Framework

front end pages

- login page
- register page
-home page with the highest scores out of all the user and a nav bar with a button for the user to play the game
-starting game page that asks the user how many points(how difficult) they want their question to be worth
- page displaying a random question from a random category worth those amount of points with an text box for the user's answer
- page displaying that the user got the question correct if the user did and shows the user's current score
- page displaying that the user got the question wrong 3 times in a row, shows the user's current score, shows google search results of the answer in case the user wants to learn more about it\

APIS

-jService
-google custom search

app.py

- uses flask to retrieve data from the APIs and database to the front end

- also sends data to the database and uses data from the database

database containing user information: username, password, score, questions answered

db.py

-stores newly registered users into the database
- updates the scores of the users after each question

Database Schema

users	
username	TEXT
password	TEXT
score	INTEGER

Database for user accounts
- Stores user accounts
- A User registers a username and password and they start off with a score of 0
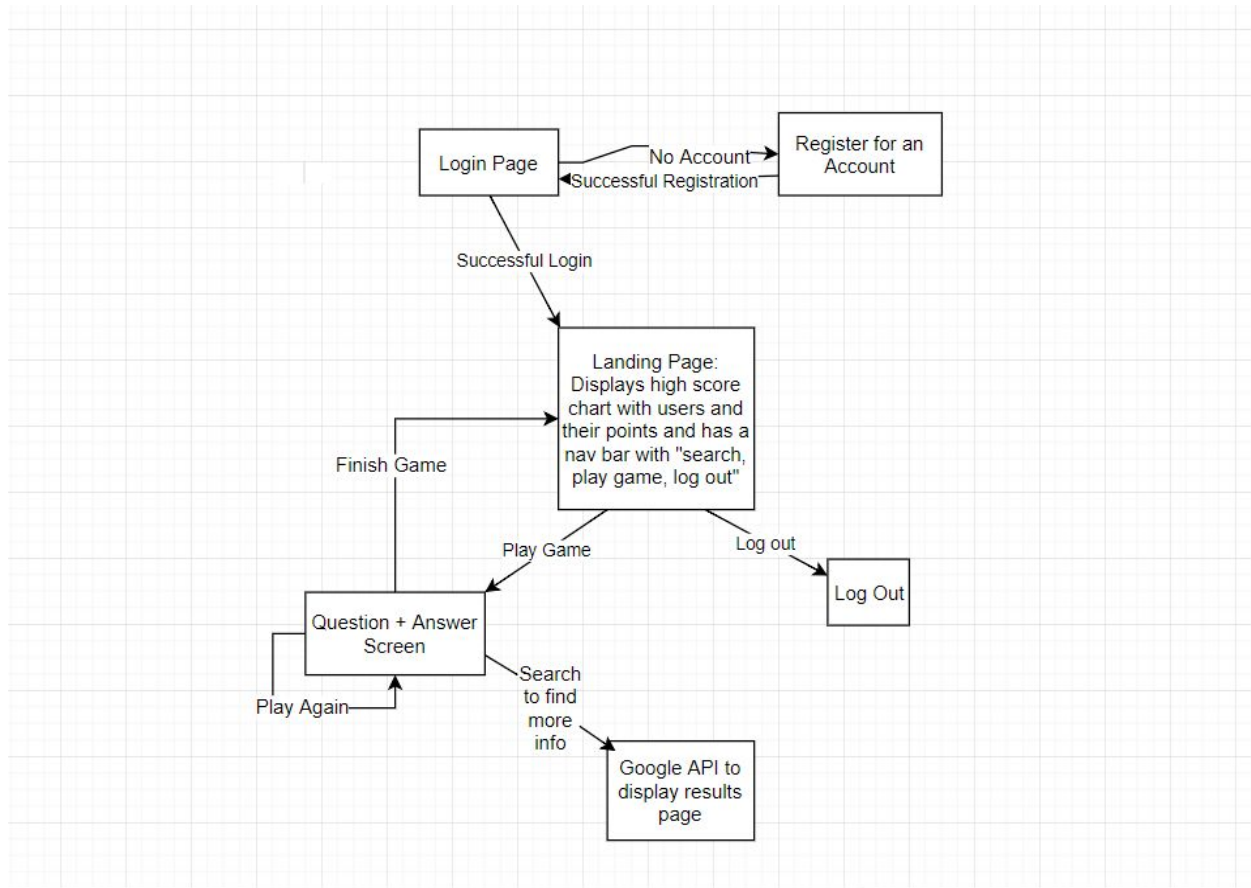
- As they answer questions correctly/incorrectly, they get points added/deducted from their score

questions	
username	TEXT
question	TEXT

Database for questions
- Stores questions answered by users so that questions will not repeat
- When a user answers a question correctly/incorrectly, an entry in the database is created

Site Map

To-Do List

- Writing database code and html templates: Addison
- CSS/Framework and writing code to retrieve data from the Google API: Damian + Claire
- Writing 411s-Damian
- Writing code for retrieving data from the Jservice API: Dennis