3.14Buddies - Shakil Rafi, Anish Shenoy, Caleb Smith-Salzberg, Charles Weng
SoftDev 7 - Brown Mykolyk
Project 01 - ArRESTed Development
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Jeopardy! - Design Document

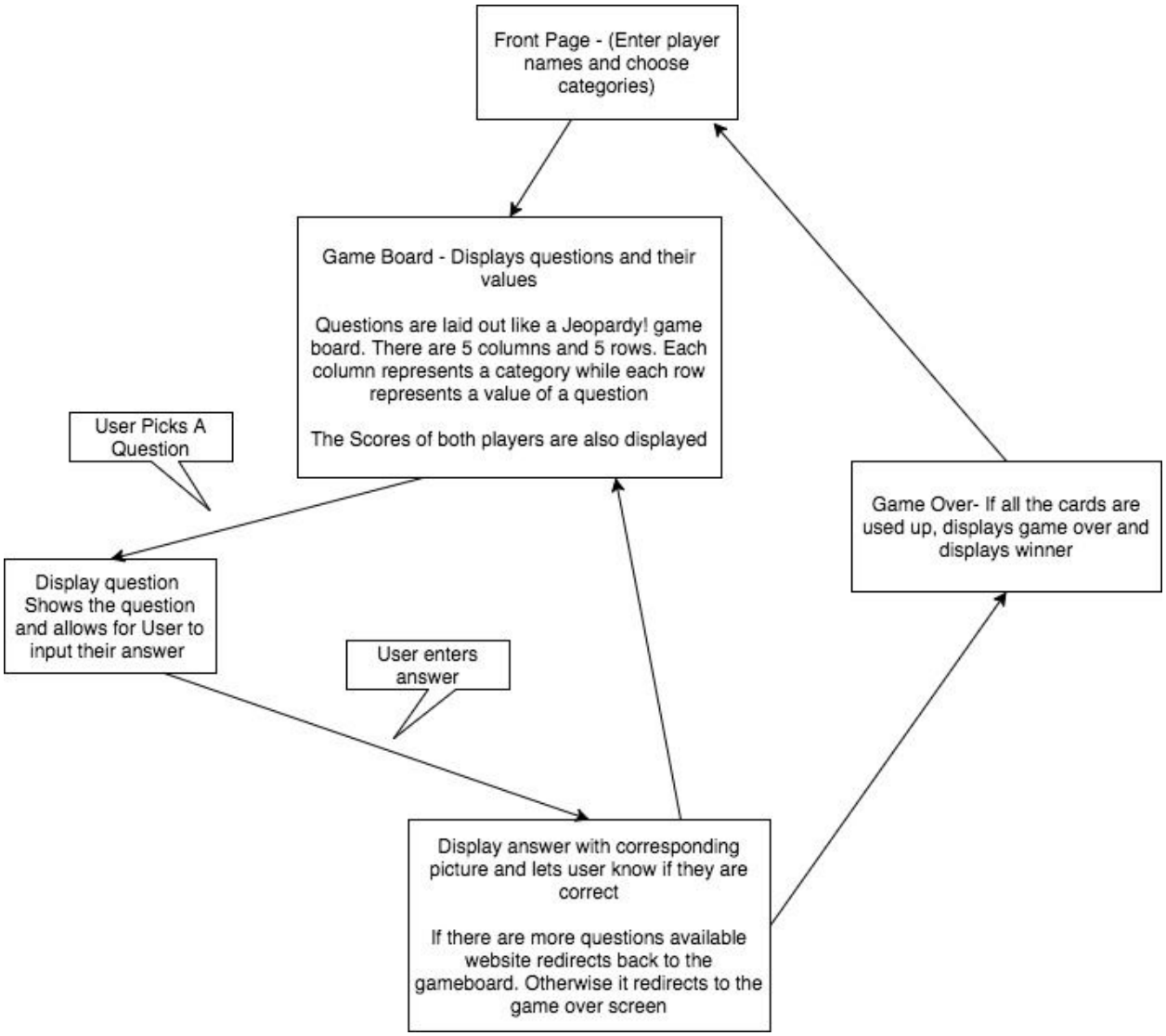
Summary

- A website that imitates the popular game show JEOPARDY! The website allows for two players to go head to head. On the front page, users can choose 5 categories that they'd like to answer questions in. They are then taken to the game board where 5 questions from each category are loaded. The questions are sorted from top to bottom by lowest to highest difficulty (a higher difficulty corresponds to higher value for a question). When a user selects a question, it is displayed on a new page along with an input field for them to answer. Once an answer is given, the user is told whether their answer was correct and a picture related to the answer is displayed.

Roles

- Function to get questions based on a given category from jService API (Must parse the returned JSON and return the questions in an easy to work with format) - Caleb
- Function to get questions from the question dict of a specified difficulty - Caleb
- Function to get URL of image based on search term from gettyImages API (Must parse the returned JSON and return the URL of the appropriate image) - Caleb
- HTML/CSS Templates for: - Charles
    - Homepage - Form for choosing categories and inputting names
    - Gameboard - Display all questions
    - Display Question - Display the question and a field for entering an answer
    - Display Answer - Show the right answer, include a related photo, and indicate whether the answer was correct. Also include an "I was right"
    - Game Over - Show the final score and include a link to start over.
- Flask Route Functions (Send/receive the required info to/from the Jinja Templates) for: - Shakil
    - Homepage
    - Gameboard - Figure out how to map each individual question card on the board to a question in the question dictionary
    - Display Question
    - Display Answer
    - Game Over
- Mechanism to keep score of individual players - Shakil

Site Map


Front Page - (Enter player names and choose categories)
Game Board - Displays questions and their values
Questions are laid out like a Jeopardy! game board. There are 5 columns and 5 rows. Each column represents a category while each row represents a value of a question
The Scores of both players are also displayed
User Picks A Question
Display question Shows the question and allows for User to input their answer
User enters answer
Display answer with corresponding picture and lets user know if they are correct
If there are more questions available website redirects back to the gameboard. Otherwise it redirects to the game over screen
Game Over- If all the cards are used up, displays game over and displays winner

Component Map