

Jeopardy! - Design Document

Summary

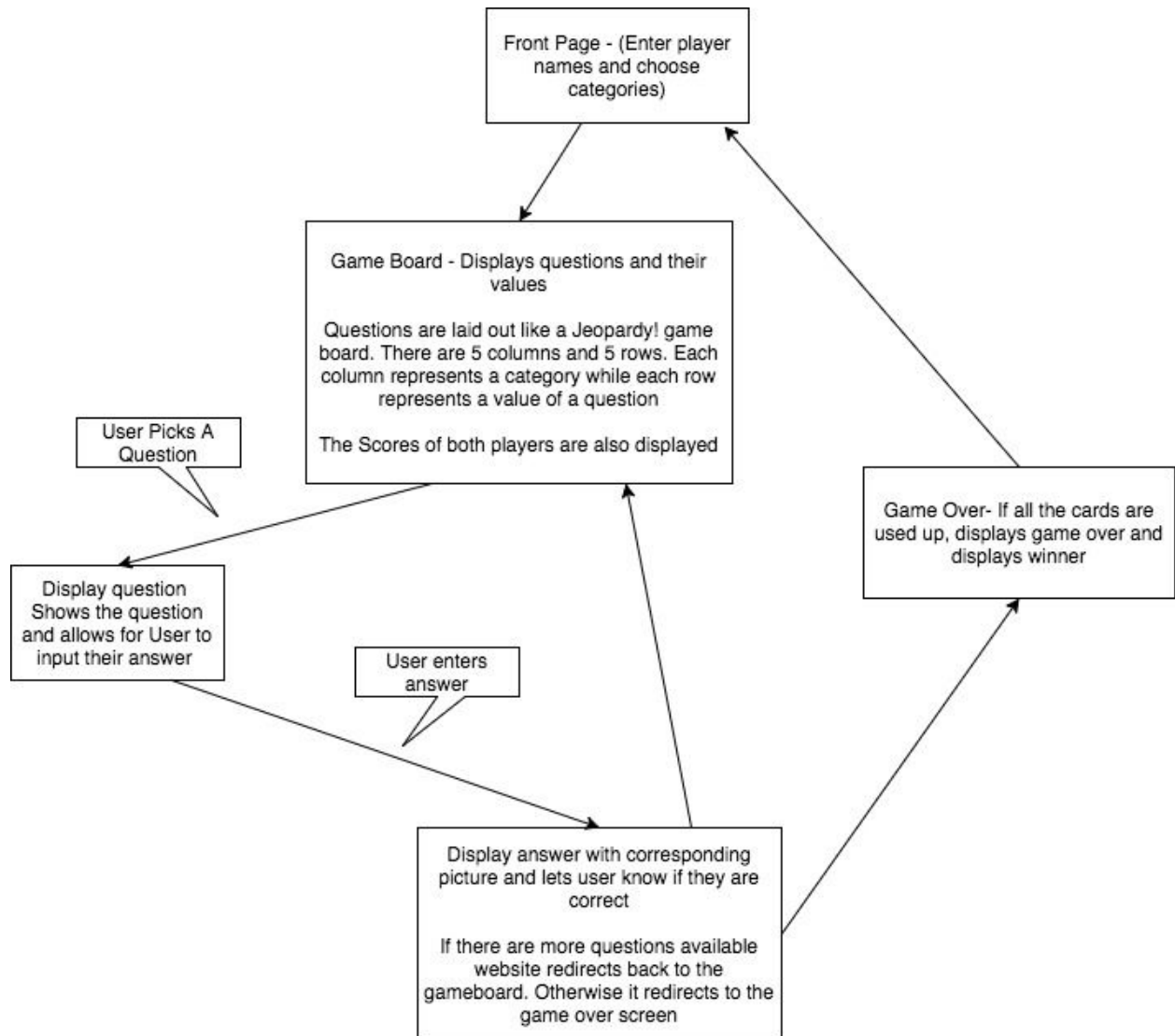
- A website that imitates the popular game show JEOPARDY! The website allows for two players to go head to head. On the front page, users can choose 5 categories that they'd like to answer questions in. They are then taken to the game board where 5 questions from each category are loaded. The questions 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
 - Game board - Display all questions
 - Display Questions - Display the question and a field for entering an answer
 - Display Answer - Show the right answer, including a related photo, and indicate whether the answer was correct
 - "I was right" button
 - Game Over - Show the final score and winner with a link to start over.
- Flask Route Functions (Send/receive the required info to/from the Jinja Templates) for: - **Shakil**
 - Homepage
 - Game board - 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

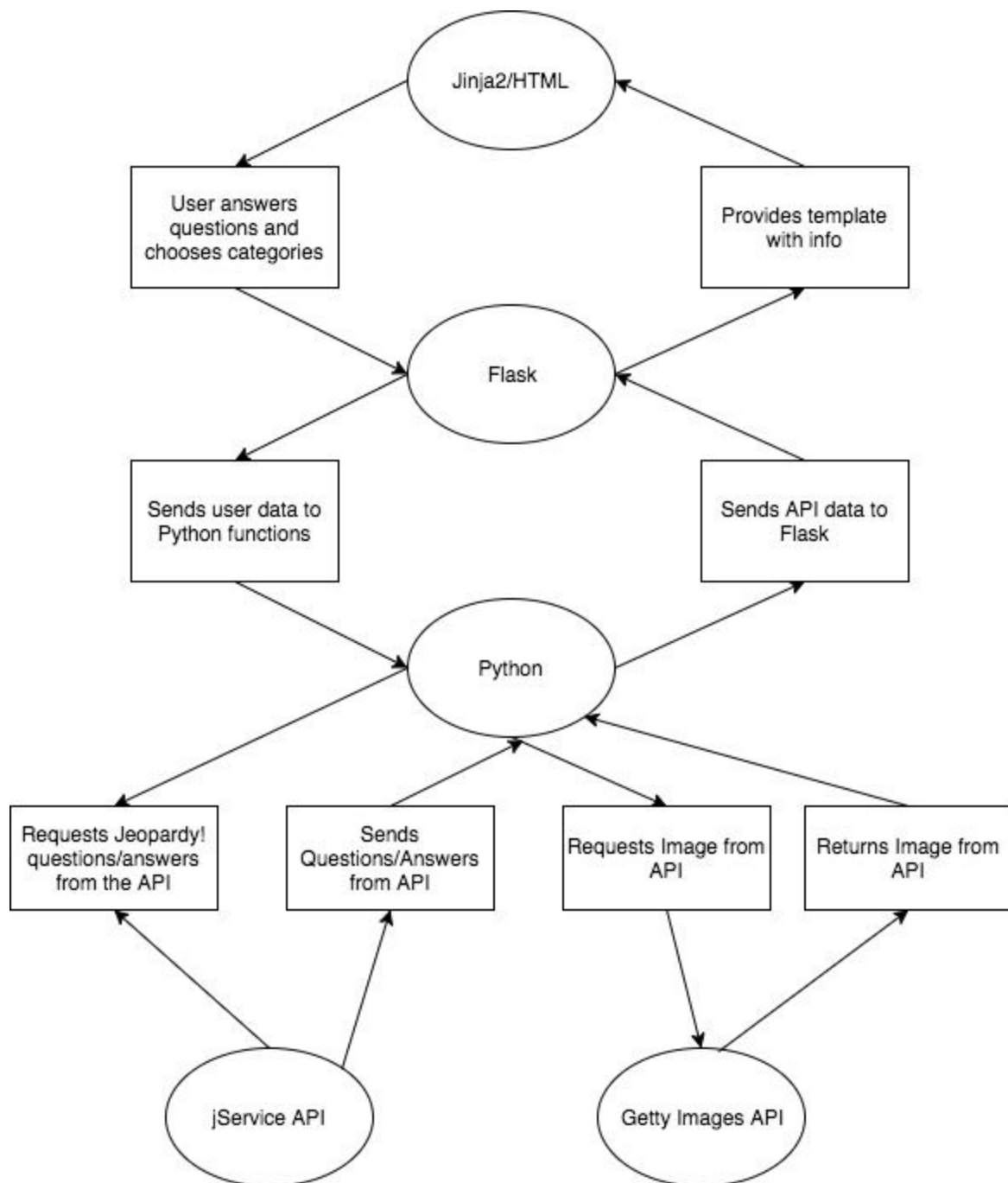
- Mechanism to keep score of individual players/track questions answered- **Shakil**

Site Map



The players are greeted at the front page and are taken to the board after entering their names. On the board, they can select sections from which they can test their knowledge. Once they answer the question, the answer will be shown with a picture corresponding to the answer. Repeat until there are no more sections and show results.

Component Map



This is the core behind the Jeopardy game. Follow the arrows counter clockwise for how one question/answer would be processed.