Sprint Cycle 2

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RIC-BOT

Description: The RIC-Bot is an interactive chatbot that is built to recommend suggestions on foods as a person is unable to decide what to eat. By the user answering a series of questions from RIC-Bot, it can propose an option catered to your needs. RIC-Bot will be presented as a web-based application.

Product Manager Sprint Cycle 2: William Jones

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Status of Tasks of Sprint Cycle 1

- Determine what languages we can use for the website – **Complete**

- Determine the design of the website – **Complete**

- Determine the design of the chat box – **In Progress**

- Determine instructions of the chatbox and simple to read – **In Progress**

Status of Tasks for Sprint Cycle 2

- Determine where the chat box is going to be hosted. - **Finished**

- Design how to categorize the topic for the chat box. - **Finished**

- Determine how to extract information from the user with the chat box. - **Finished**

- Design the algorithm used to get an user-desirable suggestion. - **Finished**

Task 1: Determine where the chat box is going to be hosted.

- Website will be hosted by Heroku
- Heroku is cloud platform that hosts several languages such as Python, Node.js, Scala, PHP, and Java.
- Heroku is a free service which made it better choice than AWS
- Heroku also supports Flask which is vital to run our chat box algorithm
- Heroku does not technically allow static codes such as CSS and HTML directly but if you mask it in PHP it deploys successfully.

  Index.php-

  ```php
  <?php include_once(ric-bot.html) ?>
  ```

Task 2: Design how to categorize the topic for the chat box.

- We can categorize questions by sweet or savory taste
- "Would you want a sweet or savory meal?" we can break down the topic into 2 categories of questions.
- We have created a few HTML page(index.html, ric-bot.html) that has a base for categorize the mentioned items.
- We have also decided to stick to one category for topics. Only doing recipes which will convey the overall idea of the project.

Task 3: Determine how to extract information from the user with the chat box.

- In the algorithm of ric-heart.py RIC-BOT is able to take in inputs by input()

- input() is initialized to the variable which is in turn appended to the public variable self.Input

Example:

```
print("Hello,  ",  self.name ) #responds

ans = input("Are we looking for Breakfast, Lunch, Dinner, or Dessert?") #interaction to narrow down the list of questions to ask

self.Input.append(ans)
```

Task 4: Design the algorithm used to get an user-desirable suggestion.

- The Algorithm for the chat box was coded in Python

- Flask is the framework for the chat box

- It relies on public variables to coordinate between different functions.

- Once user has finished with questions end() function users the inputs to search google to find recipe .

Issues

- Overlooked that the web design for the chat box was not until sprint cycle 2 which made testing chat box python code hard without completion of part of sprint cycle 3
- Had bit of coordination issues starting the week and trouble getting together.

Sprint Cycle 3 Progress

- Determine how to make the website appealing. - **In Progress**

- Design an attractive website - **In Progress**