CP 1895 Project

Flask Web Application Proposal

Character DataBase

By: Adam Chipman

For my Python Project I plan on making a database to store characters for Dungeon and Dragons. The user will be able to upload their character name, race, class, a brief description and their character sheet.

There will be three pages to the webapp. One to upload the character, another to see a list of all the characters, their race, class, and description, and the last to page to download their character sheet.

There will be a header on the top of each page giving you the three options, one for each page. When you click on the Character List, the system will populate a page showing you a list of all the characters in the database. To upload a character, the system will ask you to input the character's name, their race, class and a description. Then you can upload their character sheet as a .jpg, .jpeg, .png, or .jfif. I have attached a sample copy of a character sheet in the Character Sheet folder. Last page you will be able to download the character sheet that you have uploaded.

I am aiming for the highest level. I will be using AWS to upload and store the information. There will be usernames and passwords used for the user to login and access and store their character's. As well as bootstrap to help design it.

The type of files that I will be using are html, css, JavaScript, and image files.

I have attached a sample copy of the SQL table I will be using. The two main SQL commands are:

- To add a new character to the table

  INSERT INTO character (name, race, class, character_description)

  VALUES (?, ?, ?, ?)

- To retrieve the information of the character.

  SELECT race, class, character_description

  FROM character

  WHERE name = ?

Some additional resources that I will be using are:

- [Linkedin Flask Tutorial](#)
- [Linkedin Bootstrap Tutorial](#)
- [Bootstrap](#)
- [Linkedin AWS](#)
- [Codecademy learn-flask](#)