Pardon My Dragons

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Description

Pardon My Dragons is a web application from players of Dungeons and Dragons 5th Edition. Registered users can create and save characters, and search for information on enemies, features, and more from the Standard Reference Documents.

Features

- Users
  - Registration and Login/Logout
  - Password hashing
- Search
  - Information from API
- Character Creation
  - Associated with User that created it
  - Add/Update Attributes

Planning - User Stories

Users of this app want to create and save Characters; representations of and statistics about characters they play in Dungeons and Dragons.

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Character Creation

Character Name	Gimli Greenleaf
Character Race	Half-Elf ▾
Character Class	Fighter ▾

Create

Planning - User Stories

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name	Skeleton
size	Medium
type	undead
alignment	lawful evil
armor_class	13
hit_points	13
hit_dice	2d8
speed	30 ft.
strength	10
dexterity	14
constitution	15
intelligence	6

Users also want to Search for information about the world within Dungeons and Dragons: what sort of monsters they will face, what spells they can learn, or the properties of treasure they might come across.

Planning - Database

'User' and 'Character' databases are stored. Both represent a class.

Each character stores a foreign key indicating which user it is owned by.
Each user has a 'characters' property; a list of characters it owns.

Technology Stack

- Python
- HTML and CSS
- Flask
- Jinja2
- phpMyAdmin through MAMP
- Foreign API using JSON

Demo

What I Learned

- Python libraries 'requests' and 'json'.
- How to Connect to an API and retrieve information from it.
- How to convert the data from the API from JSON, to a Python object, to a readable HTML table.

What's Next

- Adding more information to the Character class via CharacterView
- Making the search output more navigable/interconnected
- Separating CSS from HTML and making the entire project more visually interesting