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SoftDev1 Pd6
Team PythonScript
Final Project

Tentative Idea for Now:
A puzzle game involves spelling words correctly.

Plot: A crazy kid found a magical book in the QAF after failing horribly in a spelling bee competition. Out of anger, he used the power of the magical book to convert all words in a dictionary into nameless monsters so that no one can make fun of him for spelling something "wrong." The hero(user), was the winner of the competition that the evil kid lost in, and wanted to restore peace to the world by defeating the evil wizard. Along the way, the hero restores words into a new dictionary("The Mykolyk Dictionary") by beating a puzzle every time he encounters a monster. Our hero's IQ grows every x Number of words that he restores, which makes it easier for him to defeat the nameless monsters.

COMPONENTS:

1. A dungeon crawling game
    a. Similar to Discworld MUD http://discworld.starturtle.net/lpc/
        i. Try [telnet discworld.starturtle.net 23] in the terminal to get an idea
    b. TUI - text-based user interface
        i. Use javascript
        ii. User types command as he goes (type "west" for going to the west)
    c. Map Generation
        i. Random Dungeon map https://medium.freecodecamp.org/how-to-make-your-own-procedural-dungeon-map-generator-using-the-random-walk-algorithm-e0085c8aa9a
2. Details of the game
    a. The user must move around a map and collect words. When the user finds a word, they get a multiple choice question about the definition of the word and must solve it correctly to collect the word.
3. Multiplayer features
    a. Group Chat (https://scaledrone.github.io/javascript-chat-room-tutorial/)
    b. Profile page
    c. Forum for users to talk about the game
    d. ? Q/A page (good for notifying players about confusing parts or bugs) **May fit in our forum idea
4. Database
    a. Store user login info
    b. Stores the game state
5. Web API
    a. IPAPI - manage users, autologin

b. Dictionary API

DATABASE SCHEME:

USERS

user_id	username	password hash

WORDS

user_id	word

SITE MAP: