Wiki Project Specifications

Table of Contents

Pages

Our project will have 4 different pages, although we are not sure what will go on those pages we know that they will be information pages

Being similar to Wikipedia, we will have one main page that connects to the other 3 (through links and a nav bar either on the top or side of the screen - like in Wikipedia)

Page 1:
- Name: Different Types of Straws
- Content
    - This page will be divided into a few sections
        1. Section discussing paper straws
        2. Section discussing plastic straws
        3. Section discussing childish straws (the ones with loops)
        4. Section discussing Life Straws (from SharkTank)
        5. Multipurpose straws (a more philosophical approach to what a straw is - will be linked to existentialism and phenomenology)
            a. Anything with two holes is a straw
                i. House plumbing
                ii. Long cardboard boxes
                iii. Hamsters

Page 2:
- Everything about hamsters (similar to wiki how)
    1. Playing with hamsters
    2. Feeding them
    3. Stopping a hamster fight
    4. Taming a roborovski hamster

Page 3:
- House Plumbing

1. What it looks like
2. What it does
3. How you can take it out to use it as a straw if you run out

Page 4:
- Physics of the Straw
    1. Will have a lot of fancy equations
    2. Capillary action
    3. Gravity stuff

Overall Design

Simple, elegant, functional

CSS will be put in the /static directory

Backend Python functionality

Will need multiple files to handle editing and viewing.

One file to handle the initial page and the text that is displayed. Another to handle interactions with the database. And finally another that could act as a way to edit the wiki (with the proper credentials)

All will be stored in the /static directory, except for the file that loads the initial page.

Backend HTML

Will have many html files, but will reuse some templates and just display them with different information. This could be applied to the smaller/subpages.

All stored in the /templates directory.

Database management

We will have databases storing (topic, page link) pairs and a database storing (page, hyperlinks) pairs. This will allow us to organize our information and navigation in a hierarchical file structure.

Example Wiki home: wiki.com/straws

Topic	Page
Hamster	file://wiki.com/straws/hamsters
Physics of a straw	file://wiki.com/straws/physics-of-a-straw

Page	Hyperlinks
Hamster	[file://wiki.com/straws/hamsters/training-a-roborovski-hamster, file://wiki.com/straws/hamsters/playing-with-hamsters, file://wiki.com/straws/hamsters/feeding-hamsters, file://wiki.com/straws/hamsters/stopping-a-hamster-fight]
Physics of a straw	[file://wiki.com/straws/physics-of-a-straw/why-do-it-go-up, file://wiki.com/straws/physics-of-a-straw/capillary-action, file://wiki.com/straws/physics-of-a-straw/suckification]

Potentially will also use data tables to store the actual information displayed. Will need to have to make these data tables actually "relational"
- We can do this by using the method found here:
  https://www.quackit.com/sqlite/tutorial/create_a_relationship.cfm

Making our database relational will help with organization and help with ease of accessing information (such as the url, site information, login information potentially)

We are exploring the possibility of having restricted wikis, or perhaps editable wikis. This functionality will be available only to those who can *login*, and the login information will be stored in a database of (username, password) pairs.

Potential Ideas (these are only ideas, are unsure if we will implement)

Have egregious red lobster ads everywhere on the site

Guide to making straws

Have a really adorned website built in the second empire style (extremely fancy)

Might add a login page so only people who are already pre-registered can entire the website
- An elite wiki site for the most meriting citizens (notable names could include Bush, Obama, Opra, Beyonce, and Aaron Gershkovich)