Rate My Dog Design Doc

# Core Concept

Rate my dog will be a website where users will submit pictures and descriptions of their dogs which will then be rated by other users. The site will be composed of Seven webpages and a MySQL database.

# The Pages

**Basic Structure & Navbar**

Unless otherwise noted, all pages will have a header topped by the site banner with the navbar immediately under it. The navbar will be contextually chosen from three versions depending on if the user is logged in or not, or is an admin. This distinction will decide which buttons are available on the navbar, so users signed in do not see a button to sign up and so on.

**Front Page**

Main page of the site. Header contains banner and navbar, body is divided into two columns. Left contains introductory information on the site, while the right holds a “Top Dog” section displaying top 3 (maybe more?) dogs in rankings.

**My Profile**

If not signed in, prompts sign in. Otherwise displays profile of active user. Left column will contain information specific to user such as username and email, as well as buttons to edit some fields. Right column will contain a list of all dogs uploaded by that user and links to said pages.

**Master List**

A page containing a nonstatic ordered list of all dogs in the database. Allow dogs to be ordered by rank, name, or date of upload. Clicking a dog will link to that dog page.

**Post A Dog**

If not signed in, prompts sign in. Otherwise, a form page users can use to upload new dogs to the database. Will consist of four fields. Name, Breed, Bio, and a link to an external image.

**Rate A Dog / Dog Pages**

The most variable page on the site. When accessed by clicking a dog from a list, will pull up that specific dog’s page. If user is logged in, they can rate the dog. If user is dog uploader, they can edit some fields or even delete the dog from the database. If this page is accessed from “Rate A Dog” in the navbar or “Random Dog” on Dog Page, site chooses random database entry and checks entry against user’s rated dogs. If dog is not yet rated, it is displayed. Otherwise, it will try again.

**Login/Signup**

Page has fields for login info, and below has fields to build new account.

**Admin**

If user is flagged admin, display page otherwise redirects to home. Page contains list of users and dogs and has tools for database management.

# The Database

The database as I imagine it is divided into Three tables. Users, Dogs, and Rated. Users holds a UserID, Name, Password, DateCreated, IsAdmin and Email. Dogs holds a DogID, Name, Breed, Bio, Picture, DateUploaded, five fields for star ratings, and an associated UserID. Rated is a composite table referencing UserID and DogID, and holds the rating that person made of the dog.

**USER TABLE DOG TABLE**

|  |  |
| --- | --- |
| UserID | 0001 |
| Name | Spaghetti |
| Password | Spaghetti |
| Email | Spaghetti@Spaghetti.gov |
| IsAdmin | false |
| DateCreate | 9/20/23 |

|  |  |
| --- | --- |
| DogID | 0001 |
| \*UserID | 0001 |
| Name | Snoop |
| Breed | Crip |
| Bio | Briefly known as Snoop Lion |
| Picture | <http://www.website.com/snoopdogg.png> |
| Uploaded | 09/20/23 |
| 1stars | 0 |
| 2stars | 25 |
| 3stars | 55 |
| 4stars | 92 |
| 5stars | 25849 |

**Rated Table**

|  |  |
| --- | --- |
| \*UserID | 0001 |
| \*DogID | 0001 |
| Rated | 5 |

* Random dog selector will run a check against rated table. If rated is null or zero, dog is eligible for display.
* Dogs are ranked via a script that adds and averages star rankings of a dog, and weighs it by total ratings. A dog with 500 ratings and an average of 4.5 will be higher than a dog with 100 ratings and same average.
* The script that ranks the dogs outputs the ordered list of dogs in descending order of rank in a text file kept on the site’s server. This script will be run automatically periodically instead of every time someone loads the site to reduce load.

# CURRENT ISSUES

* Figure out HTML/Database interaction
* Figure out logging in session vs. cookies
* Figure out automated script that ranks dogs