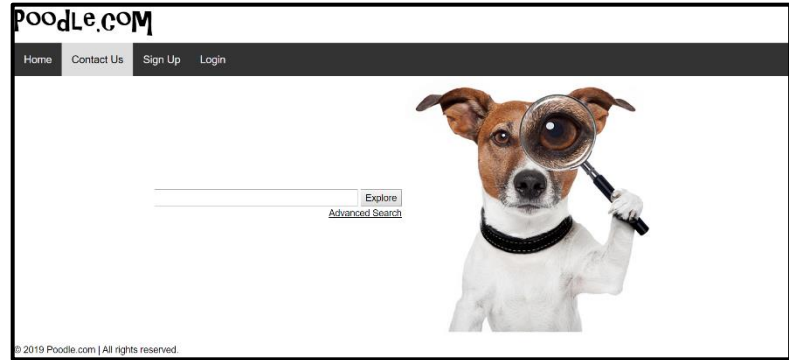


Project : Poodle.com
Student Name : Himarsha R Jayanetti
Student UIN : 01160219

1. Motivation:

Poodle.com is a search engine site to search for dog related information. Dogs have always been such an importance part of my life. Being a dog lover, I was motivated to create the search engine project with the goal of providing users with a comprehensive search on all dog breeds. Users will have an option to narrow down their search using extra filters. The users will be able to search about data related to different kinds of dogs based on their type, life expectancy, pet friendly dog breeds, location, etc. The advance search option will give the above filter and additional search options as well.



2. Database Design:

A database has been created (namely, userlog) to store the data related to the search engine, handle user records, search, sort, filter and present information based upon web requests from users who access the search engine. The database consists of a table for user information handling (namely, users) which stores information related to a user. The information is collected through the signup form at the initial stage when a user signs up with the search engine. The information that were collected are Name, Email, Mobile, Preferred Username & Password.

Name: Name of the User.

Email: Email address of the user. Sign up feature is designed in a way that the user will not be able to sign up if the email address is being used already. A simple query will test if the email address is already present in the database during the sign-up process.

Mobile: Users mobile number. Sign-up feature is designed in a way that the user will not be able to sign up if the mobile number is being used already. User can update this information through his/her 'My Profile' page anytime in the future if logged in.

Username: User should setup a username when signing up. Sign up feature is designed in a way that the user will not be able to sign up if the mobile number is being used already This username should be used to login to the site.

Password: User can setup a preferred password (Password must contain digits and/or numbers of minimum 8 characters long)

Reset_token: This is used to store the token created randomly for the forgot password/reset password option. This hashing is done using md5 message digest algorithm which produces a 128-bit hash value.

Field	ID	Name	Email	Mobile	Username	Password	Reset_token
Type	INT(15)	VARCHAR(50)	VARCHAR(50)	INT(110)	VARCHAR(30)	VARCHAR(40)	VARCHAR(255)
Key	Primary	-	-	-	-	-	-
Example	1	John Linton	john62@gmail.com	7571232334	John62	\$2y\$10\$Axy	5ca70f27340ba18a a2abbbf978ec5da9

Website Map

The website map is indicating the flow of pages in the search engine website. Home page is the landing page and the navigation bar will be available on all the pages to navigate through to each and every page from wherever you are without any hassle. The goal is to make the number of clicks to get to a page that the user wants as low as possible. User will have access to Home page, Contact page, Login/Logout options from wherever they are on the website.

User can log into the account upon signing up on the search engine first. When logged in, he/she will be able to access customized options for the particular user session. 'My Profile' page is having the option to update your user details and maintain a collection of search data according to your preference.

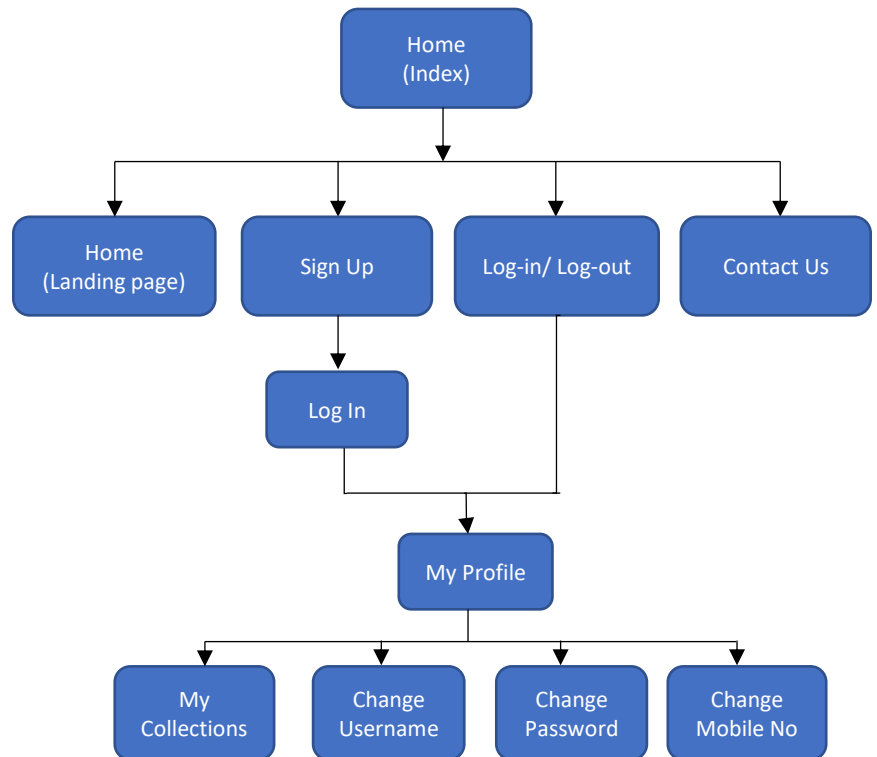


Figure 2: Website Map

3. Front-End Design

The front-end is designed from scratch without the use of any frameworks as of yet. The front-end is created using HTML, CSS, and JavaScript to make up the interfaces. The below factors were considered during the front-end design.

- Links and Navigation: Navigation bar is used in all the web interfaces to make it easy for the user to navigate through. There is a clear navigation and an intuitive structure to the navigations. Additional features (My Profile / Log out) for the logged in users are available and added as a separate navigation bar with the same look and feel. It will be available once the user is logged in only.
- Colors: Color usage is an important aspect of website design. A color theme that is pleasing to the eye will be a good choice.
- Fonts and Texts: The task of picking a font is not an easy task. Contrasting fonts create optimum visual impact. The choice of font in the search engine was done in a way that it will not affect the user experience in any harmful manner.
- Website Content: Plain Text / Images / Video / Audio / PDF /Icons / Buttons. The content of the website was kept in mind when the front-end is designed. The ability to display the above content types through out the website grid architecture is taken into account. The search display page should be

4. Other features to be implemented

- Confirmation email to verify the user email addresses
- To make the search bar available in all of the pages easily accessible to the user.
- Improvements to the front-end design .
- Finding the best approach to design the search display page.