COSC-617, Fall 2020

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**Project Proposal**

**Application name:** DoggyDate

[**Github link**](https://github.com/joshitha14/cosc617group2)

**System goal:** DoggyDate is a dating app for dogs. More specifically, it allows dog owners to search other dogs in their area and establish playdates. The application will follow the standard dating app model which has been well established by sites like Tinder, Bumble and Match; but instead of connecting humans, it will connect dogs.

We chose dogs just for fun, rather than true market viability. In reality, dog owners looking for playmates for their dogs are more interested in the qualities of other owners than the qualities of other dogs. A truly viable dog dating app would focus as much on matching humans as on matching dogs. That, however, is not the intent of our app. Our app will simply match dogs. The possibility of extending functionality to also match humans always remains open.

**Programming Languages:** JavaScript, Node.js

**Web Technologies:** HTML, CSS

**Database**: SQL or MongoDB.

**Core features:** The core features listed below are the features we commit to including in our project. Further down we provide a list of add-on features that could be added if time permits. The features are organized according to the webpages that will implement them.

1. Login page
   1. Signup- Users can create a new account by providing a username and password.
   2. Users can log in using their established username and password.
   3. Checkbox to keep the user signed in.
2. Profile page
   1. Edit profile
      1. Add photos
      2. Provide bio (text field)
   2. View profile
      1. Shows the users profile exactly as other users will see it.
3. Settings page
   1. Change password
   2. Field to provide user age
   3. Filed to provide user sex
   4. Field to provide user breed
   5. Filed to provide user weight (important for dogs)
   6. Field to provide user location
   7. Filed to provide the age range of other dogs the user is interested in meeting.
   8. Field to provide the sex of other dogs the user is interested in meeting.
   9. Field to provide the weight range of other dogs the user is interested in meeting.
   10. Field to provide the maximum distance of other dogs the user is interested in meeting.
   11. Log out
   12. Delete account
4. Find Other Dogs page
   1. This page shows the other dogs looking for playdates, probably in a grid format. The other dogs will be filtered by the user’s settings, so only dogs matching the sex, age, weight and distance ranges will show. If the user clicks on an individual dog, they will go to that dog’s individual profile page.
5. Other dogs’ Profile page
   1. Users can scroll through all profile photos.
   2. Users can click a like button if they are interested in a playdate.
   3. Users can click an exit button to exit the individual profile page and return to the Find Other Dogs page.
6. Matches page
   1. If the user clicks the like button for another dog and that dog also clicks the like button for the user, then a match is created. All other dogs the user has matched with will appear in the Matches page.
7. Messages page
   1. When the user clicks on a dog in their Matches page, they will go to the Messages page. The Messages page contains a simple text messaging service which allows dogs to communicate and establish playdates.
   2. Exit button to return to Matches page.
8. Database
9. Security
   1. TBD

**Add-on features:** The below features could be added to the project if time permits.

1. Advanced Login page options
   1. Log in with email
   2. Log in with Facebook
   3. Log in with Google
   4. Log in with Apple
   5. Forgot password
      1. Allows users to reset password via email verification.
2. Advance Profile page options
   1. Integrate a tool to allow users to crop and resize photos in-app.
   2. Connect profile to Instagram page.
   3. Connect profile to Spotify page.
3. Advanced Settings page options
   1. Geolocation
      1. Use geolocation service to determine the user’s current location, rather than using the location (zip code) entered by the user. The distance of the other user should show up on their profile page.
   2. Edit email.
   3. Hide profile (other users cannot see your account).
   4. Email notification settings (what kind of emails does the user want to receive).
   5. Account verification using phone number (proves the user is a real person…I mean dog).
4. Advanced options for other dogs’ Profile page
   1. Super like button.
5. Advanced options for Messages page
   1. Button to report dogs who make inappropriate comments.
6. Payment page
   1. Add a page to collect payment if the app were to require a fee.
7. Premium service:
   1. Add premium services that require payment such as the ability to see all dogs who liked you (even if you haven’t yet liked them).
8. Virtual gifts
   1. Send virtual gifts to other dogs. Could charge a fee.
9. Out for walk mode
   1. Lets other dogs in your matches network know that you are currently out for a walk, in case they’d like to join.