Petinder | Project Proposal

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Overall Purpose

The aim of our project is to create a social networking and online dating website dedicated to pets. Our web application provides an active community for pet owners to seek new friends for their beloved pets and to strengthen connections with other pet owners in neighborhoods. Users could create and update a profile for each of their pets which will show up in the gallery. They will be able to look for friends or mates for their own pets by browsing other pet pictures in the gallery or getting suggested matches. Users can also register for various local pet-friendly activities.

Features Specification

- **User Profiling**

  For the basic admission purpose, upon registration, users need to provide an unique individual's email address and password. They can provide a username that will be used to display on the website.

  Please note that there are three types of users on our website: free users, VIPs and admin, as mentioned in the previous section.

  Once registered, users need to finish a multiple choice survey. The first section of the survey is about their own pets including the following categories: species, breeds, birth/age, location, gender, health condition, weight, size, training condition. Aiming at matching-mates function, the second section is on users' pet-mates preference, including their matching purpose. Aiming to provide more advanced service, the last section of the survey is on users' personal information: home address, available hanging-out time, literacy, job position… Some parts of the survey are optional.

  The information filled in the survey will be visible to VIP users. All users have the privilege to edit this information later through modifying the information page.

  Under each profile, there is a photo folder. Users could upload their pictures, and the gallery will keep updating the latest posts. The pet photos are visible to all users, and can be modified later.

- **User Authentication and Authorization**

(Regular users include free users and VIP users)

1. Authentication of users is based on their unique login ID and the password.

   Both regular users and the admins need to sign up with a unique email address and a password. A unique user ID will be sent to the registered email address from the server after completing signing up. Users (regular users and admins) could use either the email address or the user ID to login to the website.

2. Regular users can change their password but are not authorized to change their email address.

   They can ask admins for help if they want to modify the email address associated with their account.

3. Users can change the information of their own profile and their pets' profiles after login.

   After login, users can modify the information of their own profile including the profile picture, username, description, location, contacts and other personal information. Users can also update the profile(s) of their pet(s), including the profile picture, name, biography, tags, and the associated photo album for each pet.

4. VIP users are able to access another user's profile information and at the same time be reached by others while free users cannot.

   Free users can be matched with their preferred pets but can only gain access to the owner's information after upgrading to VIP.

5. VIP users are able to reserve an event seat while free users can only browse through them.

- **Data**

  1. User information are stored in datasets

     a. Profile information needs to be stored in a dataset.
     b. admission info: userId, user password, stored encrypted in another dataset.

  2. User-posted pet pictures are stored in the webserver

     Stored in the user-specific folders in the webserver and retrieved when the gallery is displayed.

  3. Posted events and related information are stored at the back-end

     The listed events are stored at the back-end, which could be viewed by users and edited by admin. Reservation information will be submitted by users and stored at the back-end(e.g. size of attendance, record of payment...).

- **Admin**

  1. Admins are allowed to modify login information of all users.

     The admins can modify the login information, i.e. email and password, for all types of users.

  2. Admins can delete regular users' accounts
  3. Admins can add, update and delete users' profile information
  4. Admins can post events and modify event details.

     Admins can post events on the "Event" section and update the description, title, time, location and other detailed information of events.

- **Views**

  See the "Views" part below.

- **Additional Features**

  1. Finding and matching

     This is our main service of the website. Our matchmaking algorithm allows an optimal match of pets based on your interests in species, breeds, age, location, gender, and other specified preferences and your own conditions.

  2. Gallery

     We will update the latest posted pet pictures onto the gallery page. This is not only a photo wall. VIP users can find the pets and owner information by clicking the picture. It is a good chance for users to choose their prospective mates and try to connect with them. Users can also see a certain group of pet pictures by choosing a specific category.

  3. Events (news dashboard)

     Admin will post pet-related activities on time each week. Mostly might be some info sessions about the pets related questions held by our professional guest speaker, or some outdoor activities. VIP users could book reservations to VIP-Only events. All users can be free to attend some drop-in activities.

  4. Upgrade to VIP

     A payment page is made for free users to upgrade to VIP, VIP will have access to contact information of their matches, join events and activities!
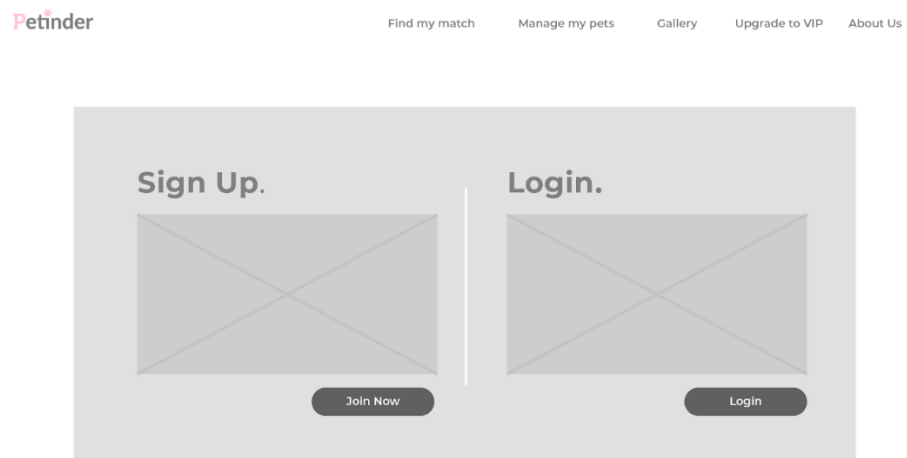
User Interaction

- During creation of a new account, users have to provide data such as email, passwords, contact information, pet information, pet-mate preference once they finish the initial registration process. They are allowed to modify these details under the "Manage My Pets" page. This information will be stored and retrieved from the web server.

- Users can upgrade to VIP via the "upgrade to VIP" page, system stores VIP and free users' identity and result in different responses when interacting with the webapp. VIP users are allowed to see contact information about their matches, and pets which they find in the gallery, while the free user cannot.

- Users are able to see other people's pets in the gallery. The gallery is filled with clickable posted pets' pictures, retrieved from the web server. After clicking the pictures, free users will be redirected to the "Upgrade to VIP" page.

- Users are able to find a list of top description-matching pets under the "Find My Match" page. As mentioned above, only VIP users are allowed to see the detailed information of the pet by clicking the matching pets' pictures.

- Users can see different posted events under the main page, retrieved from the web server. VIP users are able to reserve their place by clicking on the event registration.
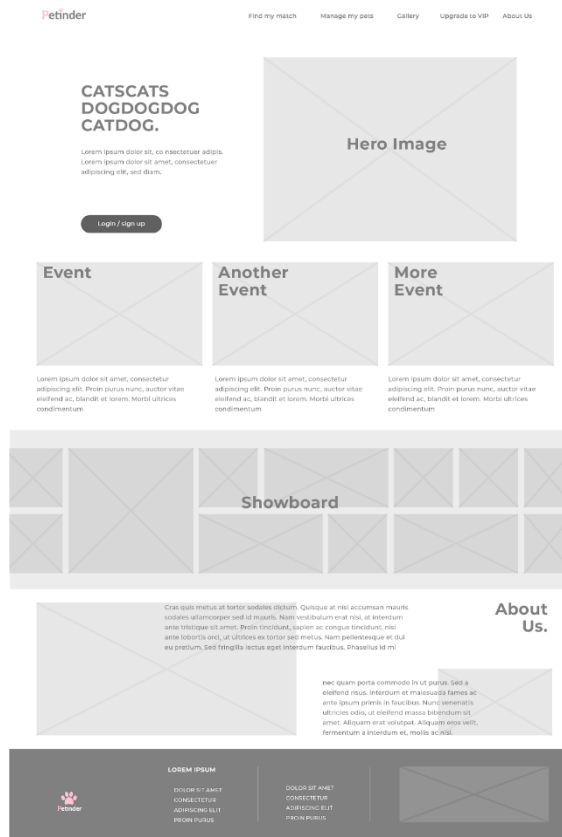
Views

1. Landing Page View, allow users logging into existing accounts or register a new one.
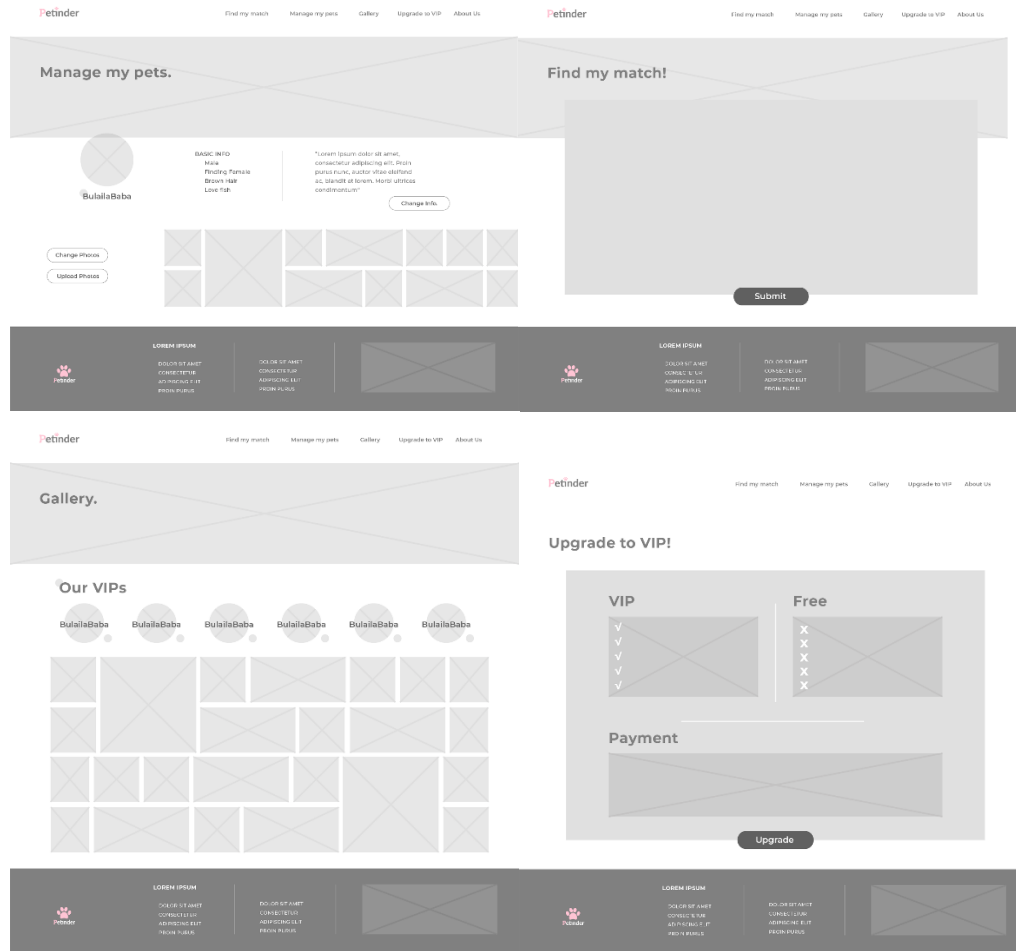
Petinder

**BEST ONLINE
PET DATING.**

Login / sign up

2. Login / Signup Page

Petinder   Find my match   Manage my pets   Gallery   Upgrade to VIP   About Us

Sign Up.

Join Now

Login.

Login

3. User main page, display basic information like events, about us, spotlight events and more. Provide navigation toward account management, find match and join VIP.

4. Manage Pets, Find Match, Gallery, and VIP upgrading page, allow different functionalities. Note that the Gallery page supports different views. By default, it displays pet pictures from most recently uploaded to least. Users can also see a certain group of pet pictures by choosing a specific category.

5. Administration page, display website datas, upload events and change user infos when the admin logs in.