MOBILE PROGRAMMING

PROJECT

SYSTEM ARCHITECTURE

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P E T R O A M

Pet Roam is a pet walker recruitment application.

**General Features**

- Everyone can create an account.

- When users login for the first time, they have to select a profile (pet walker or pet owner)

- On the main page, there will be a list with adverts.

- Those who choose the pet owner profile, will be able to create an advert on the homepage.

- Those who choose the pet walker profile, will be able to apply to those adverts on the homepage.

- When pet owners create an advert, they have to specify the day, time and place where the pet will be walked.

- A pet walker will be able to offer a fee when applying for any posting.

- Pet walker and Pet owner can chat in the application.

- When pet owners and pet walkers agree for the tour, pet owners can see the current location of their pet walkers during the tour.

- Pet owners can pay pet walkers through the application.

- Pet owners will be able to rate pet walkers and this rating will be appear on the pet walkers' profile.

**Welcome Page Features**

- This application's logo will appear on the welcome page.

- Below the logo, there will be a brief introduction of the application.

- Below the introduction, there will be a "let's get started" button that takes the user to the login page.

Text

Description automatically generated with low confidence

**Login Page and Register Page Features**

- On the login page, there will be 2 places to enter the username and password.

- Below these places, there is a text which writes "don't you have an account".

- Under this text, there will be “Register” button, and this button will go to register page.

- On the register page, there will be 2 places to enter the username and password, like on the login page.

- Below these places, there is a "Back to login page" button that takes users back to the login page. (For those who remember having an account)

Graphical user interface, application

Description automatically generated

**Choose Profile Page Features**

- When users login for the first time, they have to select a profile (pet walker or pet owner).

- There will be 2 images, one for pet owners and one for pet walkers.

- Under these images, there will be buttons for them to choose their profile.

- Below these buttons, the features of the profiles they will choose will appear.

- When they choose their profile, they will have some special features (Such as creating an ad, applying for an ad).

- If they want to change their profile features, they will be able to change it from their profile page later.

Graphical user interface

Description automatically generated

**Main Page Features**

- In the upper left corner, there will be a profile picture of the user.

- Next to their profile picture, there will be a “profile” button that allows them to go to their profile.

- Under to their profile picture, there will be a list with adverts.

- In the upper right corner, there will be a button for pet owners to create an advert.

- When pet owners click on the button, a screen will appear where they can select the day, time and place. Also they have to select the pet breed.

- Next to the adverts, there will be a button for pet walkers to apply.

- When pet walkers click on the "apply" button, a screen will appear where they can offer the fee.

- If pet owners accept the offer, they will be able to chat with pet walker.

Graphical user interface

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**Pet Owner Profile Page Features**

- In the upper left corner, there will be a profile picture of the pet owner.

- Below this profile picture, there will be a list of previous tours.

- Previous tours will be added by the pet owners themselves.

- Right next to profile picture, there will be a “edit profile” button.

- Below this button, there will be a button for pet owners to add tour information post to their profile page.

- When pet owners create a tour information post, the same post will appear on the pet walkers’ page.

A screenshot of a phone

Description automatically generated

**Pet Walker Profile Page Features**

- In the upper left corner, there will be a profile picture of the pet walker.

- Below this profile picture, there will be a list of previous tours.

- When pet owners create a tour information post, the same post will appear on the pet walkers’ page.

- Right next to profile picture, there will be a “edit profile” button.

- Right next to this button, there will be a button for pet walkers to add tour information post to their profile page.

- Below this “edit profile” button, there will be a rating bar.

Graphical user interface, text, application, chat or text message

Description automatically generated

**Server and Client**

**Server:**

- User login / register.

- User profile.

**Client:**

- Create adverts.

- Apply adverts.

- Rating.

- Create posts.

- Texting.

- See current location.

- Edit profile.

- Select profile.

**DIAGRAM**

Diagram

Description automatically generated