Web Development

Project Proposal

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Project Description:

I am planning to design a website where one can find a pet to adopt. User will be able to search for a pet based on various parameters like type, breed, size, age, etc. On successful search, the user will be displayed with list of available pets to adopt. The user can click on pet to view more information about it, like the animal's journey so far, his/her behavior, where does he/she currently reside ad how to find him/her. To adopt a pet, user will have to register, and then submit their application for adoption. Animal Shelter & Rescue Organizations have to create their account, so as to provide details about their work, organization, contact information and which animals are available for adoption. The organization, to which the application for adoption is submitted will view, and decide to either accept or reject the user's application. Also, registered users will be able to share their adoption experience, by uploading their story on 'Share Your Story' option. I am planning to use Petfinder's API for building the project. I am also planning to add section of stories of adoptions and experiences of foster parents.

Actors:

1. Users:

Unregistered Users:

Unregistered users will be able to do many tasks. They can:

- Search a pet to adopt
- Find an animal to rescue
- Find an animal to foster
- Search about Animal Rescue & Shelters
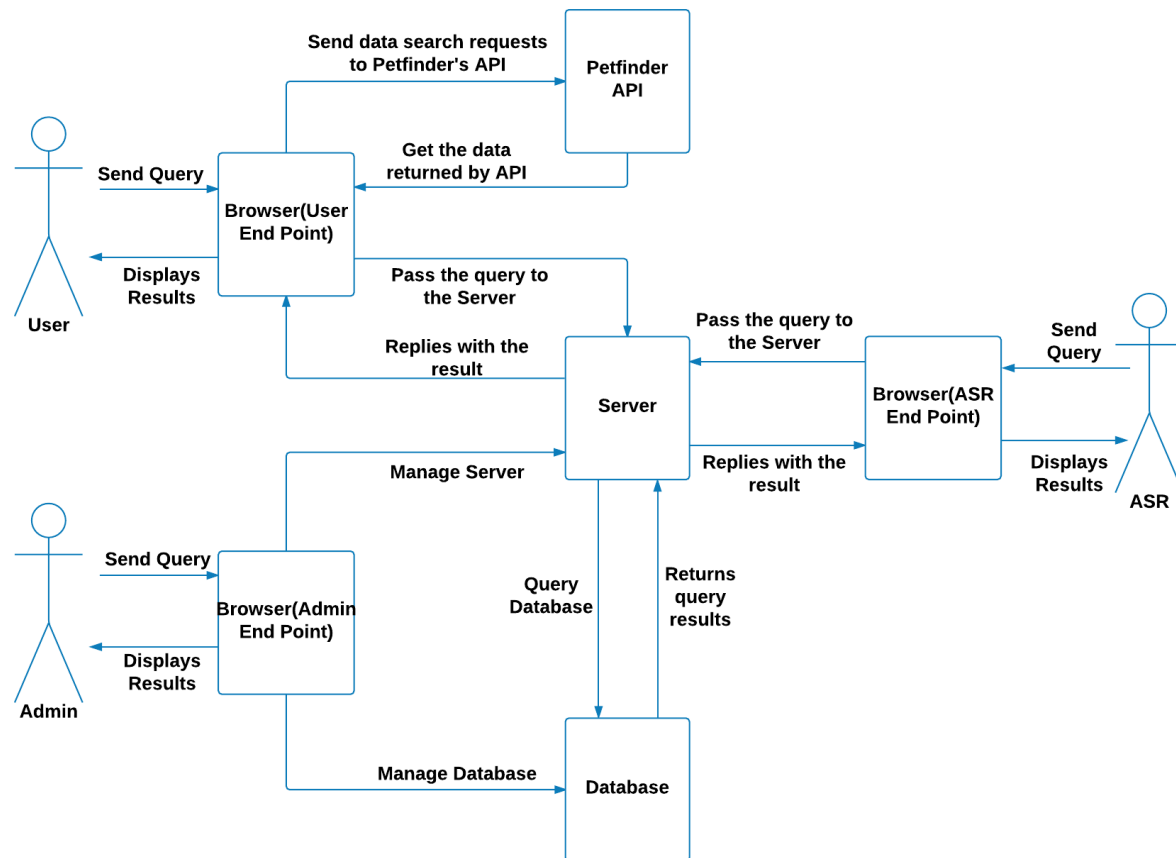
Registered Users:

Registered users are given additional privileges. They can

- Start the adoption process
- Rescue an animal
- Start the process to become a foster parent
- Share their adoption stories and fostering experiences

2. Animal Shelter & Rescue (ASR) Organizations:

These organizations have to maintain a separate account. They can add details about the organizations, contact information and which animals, among all the animals currently residing in their shelters or rescue, are available for adoption, rescue or foster. These organizations can view, accept or reject the requests of users for adoption, rescue or foster.

Architecture:

Use Case Analysis:

Use Case: Profile Creation (Sign-Up)

Description: To gain the extra privileges of a registered user, unregistered user will have to sign-up and create their profile. Also, if ASR wants to add details about their organization, they will have to create their account.

Actor: Users, ASR Organizations

Pre-condition: User clicks on the Register button on page.

Steps:
1. Click on Register button.
2. Enters their Name, Email Id, Password, Street Address, City, State, Country and Zip code.
3. User will have the option whether he/she is an individual or ASR Organization.
4. User agrees to the terms and conditions.
5. User click on Register.

Use Case: User searches for a Pet

Description: This use case will be used by a user (registered/unregistered) to find his/her pet companion to adopt.

Actor: Users

Steps:

1. User clicks on 'Adopt a Pet' tab.
2. User enters the location from where he/she wants to adopt a pet.
3. User can also enter additional information about pet like type of pet and breed.
4. User can also enter additional filtering parameters like age, size and gender of pet.

Use Case: User wants to adopt a Pet

Description: This use case will be used by a registered user when he/she wants to adopt a pet. The user will have to fill out an application to start the adoption process.

Actor: Users

Steps:

1. User clicks on Log In.
2. User enters his/her email id and password.
3. After successfully logging in, the user searches for a pet by clicking on 'Adopt a Pet'.
4. User enters the location from where he/she wants to adopt a pet.
5. User can also enter additional information about pet like type of pet and breed.
6. User can also enter additional filtering parameters like age, size and gender of pet.
7. After selecting a pet to adopt, the user has to click on 'Adopt Me'.
8. User will then fill out the form, asking for contact information, to start the process.
9. User will then submit the application.

Use Case: User wants to share their adopting experience

Description: This use case will be used by a registered user when he/she wants to share his/her experience about adopting a pet.

Actor: Registered users

Pre-condition: User should have an account.

Steps:

1. User clicks on Log In.
2. User enters his/her email id and password.
3. After successfully logging in, the user clicks on 'Share Your Story'.
4. User then enters their story.
5. User then clicks on 'Share Story' button.

Use Case: Animal Shelter & Rescue (ASR) Organizations want to add their details

Description: This use case will be used by ASR Organizations when they want to add details about their organization, how to contact them, etc.
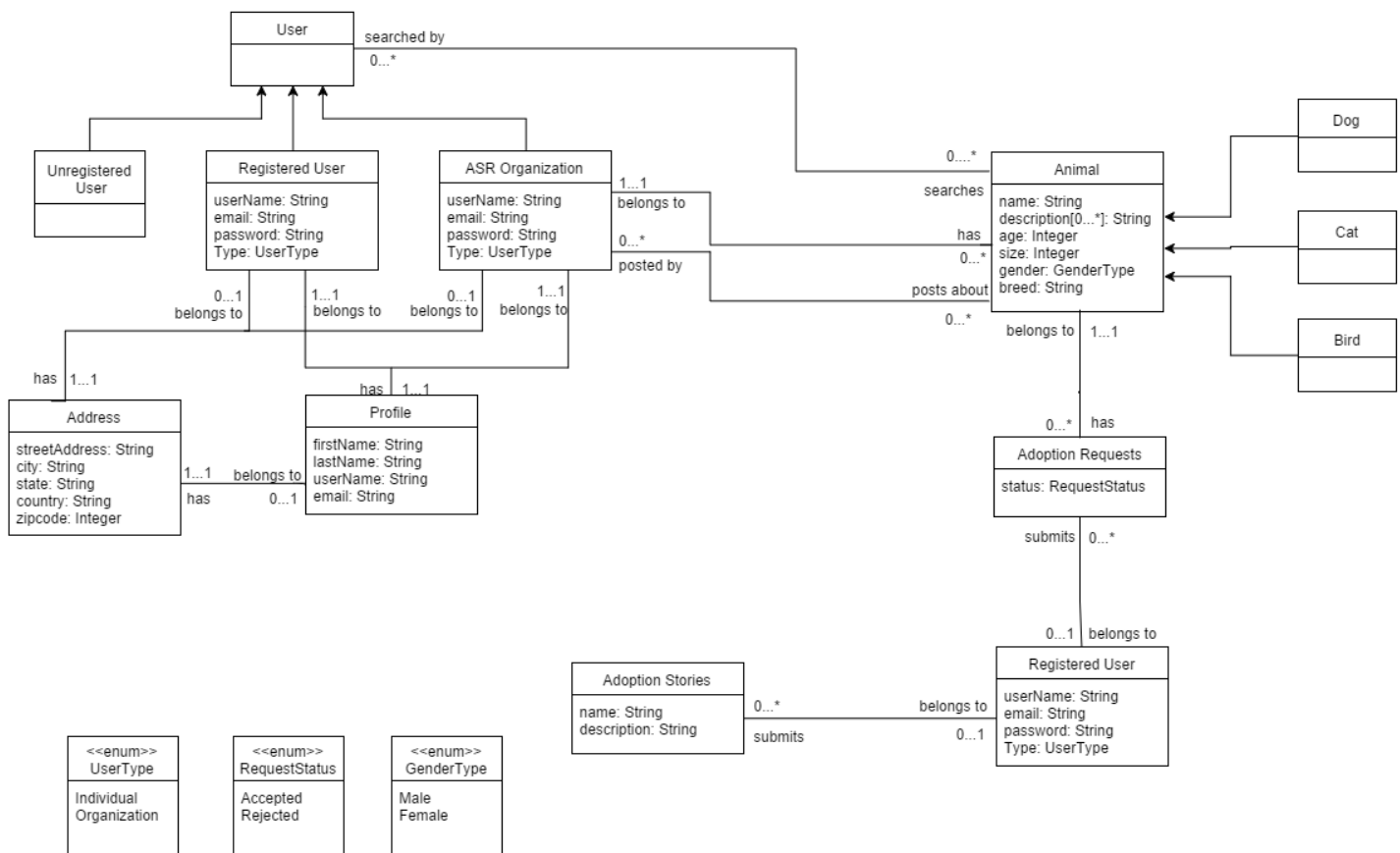
Actor: ASR Organizations

Pre-condition: ASR Organizations should have an account.

Steps:

1. ASR Organizations clicks on Log In.
2. ASR Organizations enters their email id and password.
3. After logging in, enters the required details information about them, contact information, etc.
4. Clicks on 'Add' button.

UML Class Diagram:

Wireframe:

Moqups Link: https://moqups.com/salonishah/o3nLUcMJ