# Personas

**Persona 1:**

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Name: Jack Miller

Age: 32

Occupation: Data Analyst

Relationship Status: Single

Facts:

* Works a full time job, but has free time whenever he’s not working
* Feels lonely and wants to fill in the void in his life
* Desires to have a loving companion

**Persona 2:**



Name: David Lloyd

Age: 58

Occupation: Retired

Relationship Status: Divorced

Facts:

* Retired from working as a carpenter for 35 years
* No kids
* Wants something to fill in his time at his retirement home
* The pet must not be a hassle to carry between his retirement home and his family home

**Persona 3:**



Name: Michelle Thompson

Age: 15

Occupation: Student

Relationship Status: Single

Facts:

* Attends a high school
* She wants a puppy for her birthday
* Wants something that she can cuddle with while sleeping

**Persona 4:**



Name: Christina Maples

Age: 40

Occupation: Realtor

Relationship Status: Married

Facts:

* She is married and has 2 kids including an infant
* Wants a pet that is safe to handle
* Wants a pet that is easy to take care of
* The pet must be responsive to commands

# Requirements (Functional)

- Users must not be able to adopt pets until they fill out a questionnaire and it is approved.

- PAO management accounts can view and approve, or reject questionnaires, with a reason that the user can view.

- Users must be able to view all pets (not necessarily on the same page) and filter/sort based on descriptions such as age, breed, behavior, etc.

- Users must be able to request ONE pet before confirming their request with an option to cancel within 24 hours.

- PAO must be able to resolve conflicts (more than one person wants a pet) based on time of request, user’s questionnaire.

- Users must be emailed/notified if their request is accepted/declined

- PAO must be able to add and remove pets to update the pets that the users can adopt

# Requirements (Non-functional)

- Users are required to create strong passwords with at least one number and uppercase letter

- All pages should load within 2 seconds at least 99% of the time

- The api and backend should be scalable to at least 1000 active users while still fulfilling the previous requirement

# Scenarios

**ONE: Divorced father of one**

“John” returns home from work.

John sees his only seven-year-old daughter sitting alone.

John frowns as he sees his daughter sad and lonely.

John’s daughter sees her father and runs towards him happily.

John hugs his daughter and realizes that he needs to do something about his daughter’s loneliness when he’s not home.

John searches online for friendly dog breeds.

**TWO: Old man who struggles to use technology**

“Manny” searches online for a pet kitten to give his grandson as a gift.

Manny reaches a pet adoption website.

Manny finds the search bar, but struggles to navigate the many filters the website has.

Manny spends several minutes scrolling through the unorganized filters to find the right filters for the kitten he’s looking for.

Manny clicks all the filters and presses search.

Manny realizes he forgot to filter out dogs.

Manny gets frustrated that it takes several minutes more to find the remaining filter and leaves the website.

**THREE: User with slow internet**

“Sarah” opens up her laptop and searches for a pet adoption website.

Sarah waits for at least a minute as the website loads.

Sarah searches for kittens waiting to be adopted.

The webpage loads, but Sarah notices the images of the cats are not loading.

Sarah waits, but the images continue to not load.

Sarah notices that there is no alternate text description of the images, and thus she cannot visualize what the kittens look like.

Sarah leaves the website.

**FOUR: This pet is taken**

“Mary” is searching the pet adoption website for a pet she really likes.

Mary stumbles upon a senior cat named Whiskers.

Mary really likes this cat.

Mary signs up to adopt the cat.

Mary waits a few days.

Mary receives an email stating that Whiskers was already taken.

Mary would not have known this because nothing on the website specified that Whiskers was taken.

Mary is left unsatisfied.

# User Stories

“As a cat owner, I want to find a kitten less than 1 year old to give my older cat a buddy to play with.”

“As a shepherd, I need a big, strong dog so I can have a shepherd dog to help me do my job.”

“As a person who lives alone, I need to find a cat with a playful personality to help me stop feeling lonely all the time.”

“As a Vietnam War veteran with a vision impairment, I want a dog that I can pick on my own that can help me cope with my PTSD.”

“As a child who just lost my previous dog, I want to search for a new one who is also small, black, and energetic.”

“As someone concerned for my security, I need a secure authentication system to ensure my credentials don’t get leaked.”

“As a person who has a lost a pet before, I want my new pet to live for a long time.”

“As an orphan, I need a pet to always accompany me everywhere and follow my every command.”

“As a teacher, I want a class pet to not need to be taken care every day.”

“As a person in an unsafe neighborhood, I need a strong guard dog to protect me”

“As someone who lives in the remote north, I need strong dogs that can help me hunt in the snow”

“As someone who is allergic to cats and dogs, I want to find a pet which I can live with comfortably”

# Features

Search filter, which should have filters for:

* Age of pet
* Personality traits user is looking for
* Breed filter (mostly for dogs) or size/physical description filter (also for dogs)
* Other physical traits (weight)
* Distance from the user
* Sorting feature for distance and other numerical descriptions
* Lifespan of a pet
* Obedience of a pet
* Amount of care needed for a pet
* Home page (register, login)
* Register page (first name, last name, email, password)
* Login page for admins and users
* Home page for admins
* Adoption queue preview page for admins
* Detailed adoption request info for each customer + reject/deny option (admin)
* Questionnaire accept/request page for admins
* Questionnaire page for users with submit button
* Waiting on questionnaire page for users
* User home page after they completed the questionnaire, shows lists of pets they are waiting on
* Comprehensive pet list with filters