



POOCH

Manage Pets
Dog Services

Dog Walking
Dog Meetups

Dog Boarding
Dog Records

Sprint #5 Brought to you by:

Shashi Kumar Kadari Mallikarjuna
Sukriti Agarwal
Hamza Mekouar

Brandon Winn
Dhiren Lalwani
Daniel Li



Updates to BRD?

None

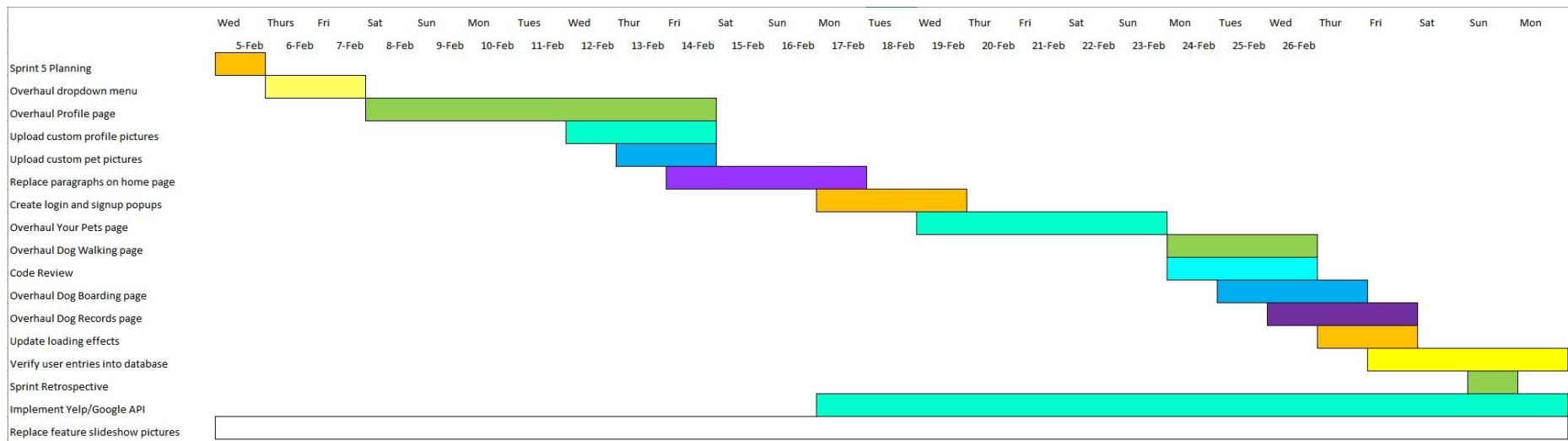


Updates to Management Plan?

Gantt Chart, Sprint Retrospective, and Sprint Board



Gantt Chart





User Stories Released This Sprint

1. Overhaul dropdown menu
2. Overhaul Profile page
3. Upload custom profile pictures
4. Upload custom pet pictures
5. Replace paragraphs on Home page
6. Create login and signup popups
7. Overhaul Your Pets page
8. Overhaul Dog Walking page
9. Overhaul Dog Records page
10. Update loading effects

In-Progress User Stories

1. Implement Yelp/Google API
2. Verify user entries into database

Backlog of User Stories

1. Replace slideshow pictures



How many APIs and servers are there?

Firebase API

Connects the JSX code to the Firebase server

Critical component of architecture

Yelp API/Google Places API

Connects Dog Services page to search results

Important to create a key feature

2 APIs are currently being used

Firebase Server

Hosts web application at publically available URL

Critical component of the architecture

1 server is currently being used



What type of Object Relational Model (ORM), Object Data Modeling (ODM) library or driver is used in the connection of the database to the server?

The **Firebase SDK** hosted by NPM is used to connect the database to the server.



How Many Features in a Data Sample?

We are developing a neural network to detect whether images being uploaded to pet profiles are actually dogs.

There will be 2 features in each data sample (dog breed and dog ID)

We are not yet plotting the data correlation between features and labels



Image Classification

To solve the problem we implement a Machine Learning algorithm that may pose a variety of challenges associated with this task, including viewpoint variation, scale variation, intra-class variation, image deformation, image occlusion, illumination conditions, background clutter etc.

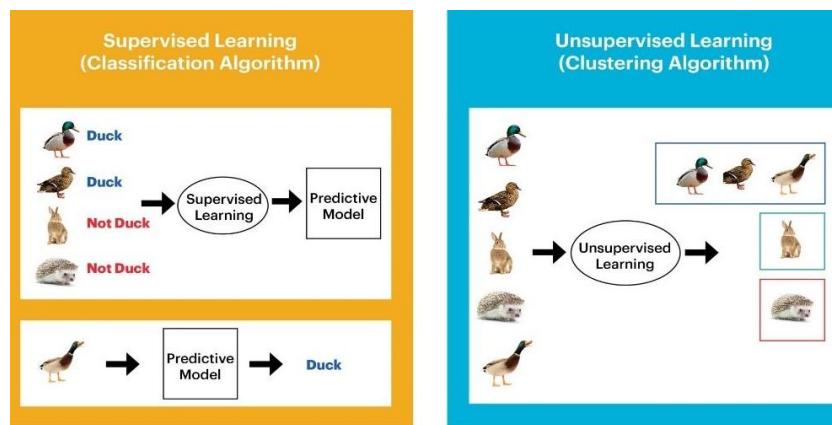




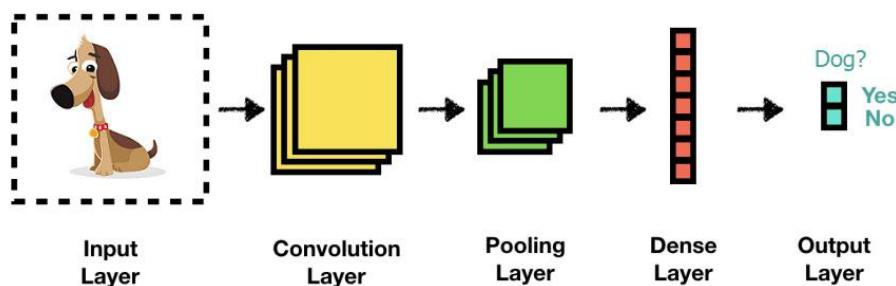
Image Classification Pipeline Steps:

1. Our input is a training dataset that consists of N images, each labeled with one of K different classes.
2. Then, we use this training set to train a classifier to learn what every one of the classes looks like.
3. In the end, we evaluate the quality of the classifier by asking it to predict labels for a new set of images that it has never seen before. We will then compare the true labels of these images to the ones predicted by the classifier.



Convolutional Neural Networks “CNN”

Convolutional neural networks, which are a clever way to reduce the number of parameters. Instead of dealing with a fully connected network, the CNN approach reuses the same parameter multiple times. The big idea behind CNN models is that a local understanding of an image is good enough. The practical benefit is that having fewer parameters greatly improves the time it takes to learn as well as reduces the amount of data required to train the model.





Machine Learning Dataset

We will be using **CNN model** for the machine learning aspect of our web application.

Since it is a **supervised model**, our dataset needs to have two variables x and y.

In our case, x would be **images** and y would be the **labels** for those images.



What is the source of the training data?

We plan to gather training data from an **online dataset** which consists of images and labels. The data we acquire would be used to **train** the model so that it can **predict** the outcome.

Images for dog

 puppy  white  small  cat  big  animal  >





How does the team plan to deploy the machine learning model?

We are currently planning on deploying the machine learning model as external **server code** in python.



Machine Learning Deployment Alternatives

Google Vision API

Doesn't allow us to create our own model

Firebase Machine Learning Kit

Team has no experience with it

Python Transcompiler

Very slow



Kaggle Dataset

The team is planning to perform a supervised model for Machine Learning.

For the initial purpose, we are using Kaggle for the labelled dataset.

The link for the initial working dataset can be found here:

<https://www.kaggle.com/tongpython/cat-and-dog>



Our approach to ML

Currently, the team plans to create a model which can identify if the uploaded image is a dog or not. This is purely to avoid scammers, and keep the user data validated.

A later progression of this approach could include classifying several dog breeds too. This is just a thought in mind, because to gain accuracy for ~600+ dog breeds and not slow down the performance of the website is nearly impossible.

We are starting to just classify if it is a dog or not.?



The Training Dataset

The training dataset contains about 4000+ images of dogs and 4000+ images of cats (which we are gonna use as images for no dogs).

The dataset available on Kaggle is clearly labelled as dogs or no dogs, so we can receive the result to be a 0 or 1, depending on the uploaded image being a dog.

Since this output is binary, it will be easy to read and to be further developed upon. 8000+ images is a good start to differentiate between dogs or not, and if needed we can always add more images and labels to the dataset.



The Test Dataset

The test dataset contains about 1000+ images of dogs and about the same for no dogs.

This dataset, is going to be used later in the process. Since, we do not want our model to already learn the test dataset for validation and then later not have a good accuracy when tested on a real world dataset.



The potential problems

The current dataset only has cats images which we are using as Not Dogs labels, so our model may or may not be able to identify our objects as non dog objects. But this can not be solved, until the model is trained and the accuracy is observed.

Currently, we have not started building our ML model, since we are hoping to find a dataset which will have dog and no dog images. Until then, for the next sprint we are going to proceed with the same dataset, and try to achieve good accuracy within a shorter time span, as to not slow down the model.



How many total user features are there?

There are currently a total of **23 features** offered to the user through our web application and **20/23** are essential. (87%)

- | | | |
|----------------------|------------------------|-------------------------|
| 1. View Home | 9. View Pet | 17. Search Dog Boarders |
| 2. Create Account | 10. Edit Pet Profile | 18. Detect Location |
| 3. Login | 11. Delete Pet Profile | 19. View Meetups |
| 4. Setup Profile | 12. View Dog Walkers | 20. Create Meetups |
| 5. View Profile | 13. Sort Dog Walkers | 21. Upload Documents |
| 6. Edit Profile | 14. Search Dog Walkers | 22. View Document |
| 7. Reset Profile | 15. View Dog Boarders | 23. Delete Documents |
| 8. Setup Pet Profile | 16. Sort Dog Boarders | |

Sprint #5

Before vs

After



Home Page

Before

The screenshot shows the original Pooch homepage. At the top, there's a navigation bar with a user profile icon, 'Logout', and the word 'POOCH'. Below the navigation is a main menu with six items: 'Your Pets' (orange underline), 'Dog Walking' (green underline), 'Dog Boarding' (blue underline), 'Dog Services' (red underline), 'Dog Meetup' (purple underline), and 'Dog Records' (grey underline). The main content area features a large, horizontal image of a black and white dog walking on a snowy path. Below this image is a small navigation bar with three dots and a blue bar.



After

The screenshot shows the updated Pooch homepage. The layout remains largely the same, with the 'POOCH' logo at the top left, a 'Logout' link, and a main menu with the same six items. However, the main content area has been replaced by a new image showing four dogs (black lab, spaniel, golden retriever, and border collie) sitting on a grassy field. Above this image is a new call-to-action: 'New to Pooch? Start here ^'. On the far right of the header, there are three colored arrows (red, pink, and orange) pointing downwards towards the 'Login' and 'Create Account' links.

Login
Create Account



Create Account Page

Before

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

POOCH

Email

Password

Confirm Password

[Not what you wanted? Go back to login](#)

[Create Account](#)

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After

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Login
Create Account

New to Pooch? Start here ▾

Create an Account

newAccount@gmail.com

[Create Account](#)

[Not what you wanted? Click here to close](#)



Login Page

Before

The screenshot shows the original Pooch login interface. At the top, there's a navigation bar with the Pooch logo and links for 'Your Pets', 'Dog Walking', 'Dog Boarding', 'Dog Services', 'Dog Meetup', and 'Dog Records'. Below the navigation is a large 'POOCH' logo. The main area contains two input fields: 'Email' and 'Password'. Below these fields are links for 'Can't remember your password?' and 'Don't have an account?'. At the bottom are two buttons: a dark blue 'Login' button and a red 'Login with Google' button.

POOCH

Email

Password

Can't remember your password? Don't have an account?

Login G Login with Google

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After

The screenshot shows the redesigned Pooch login interface. The layout is identical to the 'Before' version, with the same navigation bar, 'POOCH' logo, and input fields. However, the background of the main area now features a large, blurred photograph of several dogs playing in water. A red arrow points from the bottom right towards this new background image. A small, semi-transparent overlay box is overlaid on the water photo, containing the login form with the same fields and buttons as the original.

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

New to Pooch? [Sign up here](#)

Log in to your Account

myEmail@gmail.com

Login G Login with Google

Forgot your password?

Not what you wanted? Click here to close



Profile Page

Before

POOCH [Your Pets](#) [Dog Walking](#) [Dog Boarding](#) [Dog Services](#) [Dog Meetup](#) [Dog Records](#)

Edit Your Profile

Display Name

This is what the community will see you as!
Metropolitan Area
 New York, NY

Display city publicly?
Bio

of Pets
 # of pets

After

POOCH [Your Pets](#) [Dog Walking](#) [Dog Boarding](#) [Dog Services](#) [Dog Meetup](#) [Dog Records](#)

 **POOCH**

 Choose File No file chosen
Steve Rogers
5551112233
New York City

Three hand-drawn arrows point from the "Edit Your Profile" fields on the left to the corresponding updated information on the right: one orange arrow points from the "Display Name" field to the "Choose File" input; two pink arrows point from the "Bio" text area to the "Steve Rogers" name and "5551112233" phone number; and one red arrow points from the "# of Pets" field to the "New York City" location.



Your Pets Page

Before

 **POOCH**

Your Pets

Pet Name	Gender	Breed	Color	Date of Birth
Fido	M	Daschund	Black	2019-08-02

Got more pups? Add them below!

Pet Name
Gender
M
Breed
Affenpinscher

Show all breeds

After

 **POOCH**

Your Pets

Dog Walking

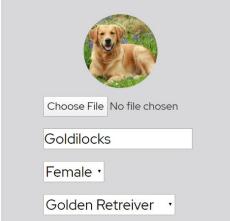
Dog Boarding

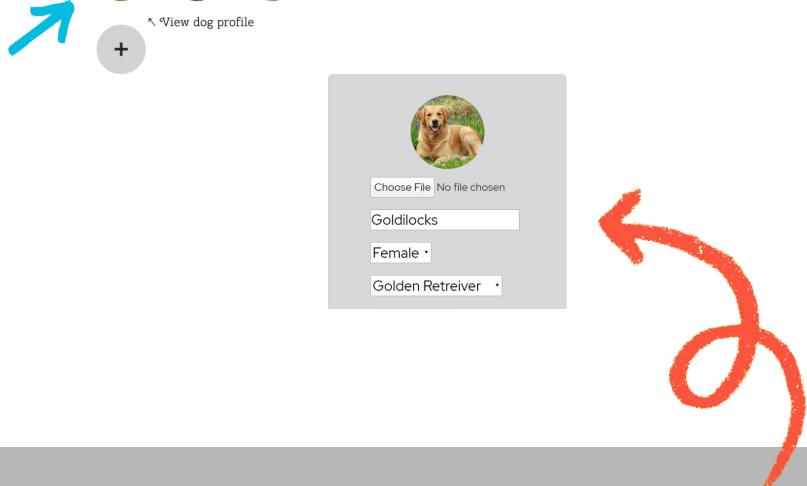
Dog Services

Dog Meetup

Dog Records


+ View dog profile


Choose File No file chosen
Goldilocks
Female
Golden Retriever





Dog Walking Page

Before

Pooch

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Local Dog Walkers

Walker Name	Phone Number	Hourly Rate	City
Lela	5553334444	20	Austin
Luther Hutchinson	5557778282	15	Helena
Doug Walker	5551112345	25	Long Beach
Doug Walker	5551112233	75	Long Beach
Jeremy Gains	5554447788	16	Long Beach
Victoria Pritchett	5554443939	32	Los Angeles
Jordan West	5556163333	32	Los Angeles

Pooch

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City

Dog Walkers



Dog Boarding Page

Before

 POUCH [Your Pets](#) [Dog Walking](#) [Dog Boarding](#) [Dog Services](#) [Dog Meetup](#) [Dog Records](#)

Local Dog Boarders

Boarding Name	Phone Number	Daily Rate	Address	City
Chateau Chien	555-470-5211	230	7000 Grand Ave	Huntington Beach
Dog Beds R Us	555-606-7007	105	610 Penbrooke St	Lakewood
Doggy Vacation!	555-666-7788	120	1500 Pacific Coast Highway	Long Beach
Hawaii 4 Dogs	666-777-8989	200	6000 North St	Los Angeles
The Ritz Pup Hotel	555-765-4321	220	1200 Orange Avenue	Newport Beach

Get Started as a Verified Dog Boarder

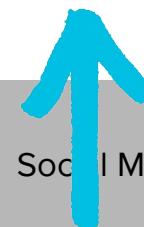
Boarder Name
Phone Number
ie 555-24567
Daily Rate

After

 POUCH [Your Pets](#) [Dog Walking](#) [Dog Boarding](#) [Dog Services](#) [Dog Meetup](#) [Dog Records](#)

Dog Boarders

 3.4 ★ Chateau Chien 555-470-5211 7000 Grand Ave Huntington Beach 230	 3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrooke St Lakewood 105	 4.5 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120	 4.9 ★ Hawaii 4 Dogs 666-777-8989 6000 North St Los Angeles 200	 3.1 ★ The Ritz Pup Hotel 555-765-4321 1200 Orange Avenue Newport Beach 220
--	--	--	--	--





Dog Services Page

Before

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Dog Services

Local Dog Supply Stores:

[Four empty input fields]

Local Dog Grooming Services:

[One empty input field]

After

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

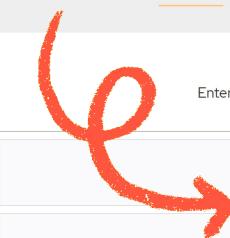
Dog Services

Enter your city: Track your location:

Local Dog Supply Stores:

33.78500210000001
-118.13757260000001

Local Dog Grooming Services:





Dog Records Page

Before

The screenshot shows the 'Dog Records' section of the Pooch website. At the top, there's a navigation bar with links: 'Your Pets' (orange), 'Dog Walking' (grey), 'Dog Boarding' (green), 'Dog Services' (blue), 'Dog Meetup' (red), and 'Dog Records' (purple). Below the navigation is a heading 'Dog Records'. Underneath it are two input fields: 'Choose File' with 'No file chosen' and 'Upload Dog Record'. At the bottom of the page, there's a footer with links: '2019 POOCH, Inc.', 'About', 'FAQ', 'Privacy Policy', 'Social Media', and 'Terms of Service'.

After

The screenshot shows the same 'Dog Records' section after the update. The navigation bar remains the same. The 'Dog Walking' link is now highlighted in yellow. Below the navigation, there's a note: '✓ First, select the document you want'. Underneath is a larger input field for file selection, with the placeholder 'Choose File' and 'No file chosen'. Below this is another button labeled 'Upload Dog Record'. A red circle highlights this entire area. To the right of the red circle, there's a note: '↖ Then, click upload'.

Sprint #5

Summary



Sprint #5 Goals

1. Add as many features as possible
2. Find a suitable dataset
3. Work on the machine learning model





Sprint Board

- New story mid-sprint
- Greatly expanded story

Before

Title	State
...	To Do
...	To Do
Upload custom profile pictures	To Do
Upload custom pet pictures	To Do
Replace paragraphs on home page	To Do
Create login and signup popups	To Do
Only show common dog breeds by default	To Do
...	To Do
...	To Do
...	To Do
Add functionality to Dog Records page	To Do
...	To Do
Verify user entries in database	To Do
Implement Yelp or Google API	To Do
Replace slideshow pictures	To Do

Title	State	Completed First
Overhaul dropdown menu	Done	
Overhaul profile page	Done	
Upload custom profile pictures	Done	
Upload custom pet pictures	Done	
Replace paragraphs on home page	Done	
Create login and signup popups	Done	
Overhaul Your Pets page	Done	
Overhaul Dog Walking page	Done	
Overhaul Dog Boarding page	Done	
Overhaul Dog Records page	Done	
Update loading effects	Done	
Verify user entries into database	Doing	
Implement Yelp/Google Reviews API on dog services page	Doing	
Replace feature slideshow pictures	To Do	





BURNDOWN CHART





Sprint #5 Retrospective

Did we meet our sprint goal?

Yes, we far exceeded the number of finished tasks we expected for this sprint.

Sprint Velocity (current)

- ★ 23 points were planned
- ★ 51 points were completed
- ★ Team members = 6
- ★ Commitment/person/week = 10 hours
- ★ Sprint duration = 3 weeks
- ★ Team commitment this sprint = 180 hours

What worked well in the sprint?

At the beginning of the sprint, we planned out more than one sprint worth of work. We expanded our hours worked and we presented later, so we had time to add more user stories to the current sprint.

What could be improved?

This sprint was the most productive by far. In the future, we could assign more tasks to each sprint.



Sprint #5 Retrospective (continued..)

How did we decide user stories with the highest priorities?

We decided based on which core features were missing or severely lacking.

What is the approx. number of in-progress user stories?

There are **2** user stories in progress totaling 10 points.

How did the burndown chart look?

Progress started slow as we worked on large tasks. But, during the second half of the sprint, we rapidly completed user stories.



Sprint Retrospective Conclusions?

1. Many new features will require user feedback
2. Machine learning will become more of a focus in the next sprint



Azure DevOps Progress Board

Azure DevOps Boards interface showing the PoOch team backlog. The board is divided into three columns: To Do, Doing, and Done.

To Do: Contains one item: "14 Replace feature slideshow pictures" (Unassigned, To Do).

Doing: Contains two items: "22 Verify user entries into database" (Unassigned, Doing) and "20 Implement Yelp/Google Reviews API on dog services page" (Unassigned, Doing).

Done: Contains ten items, all completed (Done):

- 32 Update loading effects
- 29 Overhaul Dog Records page
- 31 Overhaul Dog Boarding page
- 30 Overhaul Dog Walking page
- 27 Overhaul Your Pets page
- 19 Create login and signup popups
- 16 Replace paragraphs on home page

Item ID	Description	State	Count
32	Update loading effects	Done	3
29	Overhaul Dog Records page	Done	5
31	Overhaul Dog Boarding page	Done	5
30	Overhaul Dog Walking page	Done	5
27	Overhaul Your Pets page	Done	5
19	Create login and signup popups	Done	5
16	Replace paragraphs on home page	Done	5



Board Analytics

View as Backlog

Azure DevOps Progress Board (contd..)

To Do Doing 2/5

Index	Description	State	Done
1	Move profile to new page	Unassigned	Done
2	Add alternating paragraphs and pictures to Home page	Unassigned	Done
3	Change navbar routing when not signed in	Unassigned	Done
4	Change navbar dropdown list when not signed in	Unassigned	Done
5	Change initial routing	Unassigned	Done
6	Remove images from login page	Unassigned	Done



Azure DevOps

CECS491-DOG / PoOch / Boards / Work items

Search

Work items

Recently completed | + New Work Item | Open in Queries | Column Options | Import Work Items | Recycle Bin

Filter by keyword

ID	Title	Assigned To	State	Area Path	Tags	Comments	Changed Date
2	Add Profile Dropdown Menu	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
3	Move profile to new page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
4	Move logout button to profile dropdown menu	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
6	Stylize POOCH on navbar	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
8	Add slideshow to Home page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
9	Add alternating paragraphs and pictures to Home page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
11	Add footer to Home page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
12	Expand the navbar	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
13	Change navbar routing when not signed in	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
15	Change navbar dropdown list when not signed in	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
16	Replace paragraphs on home page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
17	Change initial routing	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
18	Remove images from login page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
19	Create login and signup popups	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
24	Upload custom pet pictures	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
25	Upload custom profile pictures	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM
26	Overhaul profile page	Unassigned	Done	PoOch		1	3/1/2020 4:19:32 PM
27	Overhaul Your Pets page	Unassigned	Done	PoOch			3/1/2020 4:19:32 PM

Boards

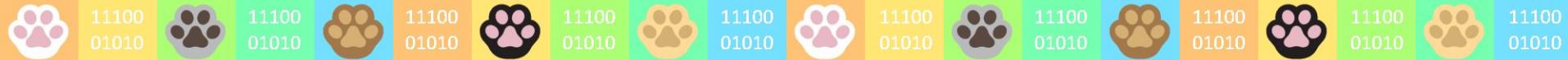
Backlogs

Sprints

Queries

Repos

Code Section



Has the code been reviewed?

Yes, a code review was held on Wednesday, February 26 to determine the quality of the current code release.

Has the code been tested?

Yes, the code was tested on Sunday, March 1 to verify that features were working as intended.



How many clicks to reach a certain feature?

Open the create account form = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

New to Pooch? Start here ↗

Login Create Account

Register new account = **2 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

New to Pooch? Start here ↗

Create an Account

newAccount@gmail.com
.....
.....

Create Account

Not what you wanted? Click here to close



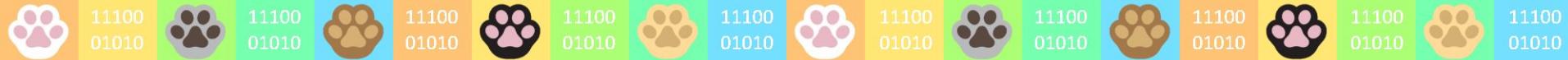
How many clicks to reach a certain feature?

Open the login form = **1 click**

The screenshot shows the Pooch homepage. At the top, there is a navigation bar with links: Your Pets, Dog Walking, Dog Boarding, Dog Services (highlighted in green), Dog Meetup, and Dog Records. On the right side of the header, there is a red arrow icon followed by 'Login' and 'Create Account'. Below the header, there is a large banner image of three dogs running through water, creating splashes. A text overlay on the banner says 'New to Pooch? Start here ^'. At the bottom of the page, there is a footer with five small dots.

Sign into Pooch account or Google account = **2 clicks**

The screenshot shows the same Pooch homepage as the first one, but with a 'Login to your Account' overlay box displayed in the center of the banner area. The overlay contains fields for 'myEmail@gmail.com' and a password, along with 'Login' and 'Login with Google' buttons. Below the buttons, there is a link 'Forgot your password?' and a note 'Not what you wanted? Click here to close'. The rest of the page, including the navigation bar and footer, is visible in the background.



How many clicks to reach a certain feature?

Setup new profile = **2 clicks**



Thank you for joining POOCH!
Help us get to know you by answering a few questions:

I am a...

Dog Parent or a Dog Service Provider

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Edit profile = **1 click**



Choose File: No file chosen
Steve Rogers
555112233
New York City

View profile = **1 click**



Choose File: old cap.jpg
Steve Rogers
555112233
New York City

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How many clicks to reach a certain feature?

Setup new pet profile = **2 clicks**

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there are three small dog icons. A red arrow points to a plus sign button labeled "+". Below the button, the text "Here you can manage all of your pets' profiles" is displayed, followed by "Add your dogs 5".

View pet profile = **1 click**

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there is one dog icon. A red arrow points to the dog icon, which has a tooltip "View dog profile" above it.

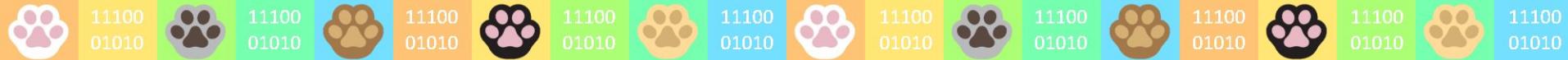
Edit pet profile = **2 click**

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there is one dog icon. A red arrow points to the dog icon, which has a tooltip "Edit dog profile" above it.

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there is a form for creating a new dog profile. It includes fields for "Name", "Gender", "Dog Breed", "Select color", "Age", and a checkbox for "Show only common dog breeds". A red arrow points to the "Create Dog Profile" button at the bottom right of the form.

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there is a form for creating a new dog profile. It includes a file input field "Choose File No file chosen", a name "Cookie", gender "Male", breed "Boxer", color "Brown", and age "2". A red arrow points to the "Upload Dog Photo" button at the bottom right of the form.

The screenshot shows a user profile for "POOCH". The top navigation bar includes links for "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". Below the navigation, there is a form for creating a new dog profile. It includes a file input field "Choose File boxer-on-beach.png", a name "Cookie", gender "Male", breed "Boxer", color "Brown", and age "2". A red arrow points to the "Choose File" input field.



How many clicks to reach a certain feature?

View dog walking page = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City

Dog Walkers

Profile Picture	Name	Rating	Phone Number	City
	Doug Walker	3.8 ★	555-111-2345	Long Beach
	Doug Walker	4 ★	555-111-2233	Long Beach
	Jeremy Gains	4.7 ★	555-444-7788	Long Beach
	Victoria Pritchett	3.9 ★	555-444-3939	Los Angeles
	Jordan West	3.5 ★	555-696-3333	Los Angeles

Order results by hourly rate = **2 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City

Dog Walkers

Profile Picture	Name	Rating	Phone Number	City
	Leila	3.6 ★	555-333-4444	Austin
	Luther Hutchinson	3.2 ★	555-777-8282	Helena
	Doug Walker	4.2 ★	555-111-2345	Long Beach
	Jeremy Gains	4.2 ★	555-444-7788	Long Beach
	Victoria Pritchett	4.3 ★	555-444-3939	Los Angeles

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City

Dog Walkers

City Hourly Rate Name

Profile Picture	Name	Rating	Phone Number	City
	Leila	3.4 ★	555-333-4444	Austin
	Luther Hutchinson	5 ★	555-777-8282	Helena
	Doug Walker	4.2 ★	555-111-2345	Long Beach
	Doug Walker	3.8 ★	555-111-2233	Long Beach
	Jeremy Gains	5 ★	555-444-7788	Long Beach
	Victoria Pritchett	4.8 ★	555-444-3939	Los Angeles



How many clicks to reach a certain feature?

View dog boarding page = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Dog Boarding

11100 01010

Search = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Dog

Dog Boarders

3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrooke St Lakewood 105

4.8 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120

11100 01010

Order results by name = **2 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

City

Dog Boarders

3.6 ★ Chateau Chen 555-470-5211 7000 Grand Ave Huntington Beach 230

3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrooke St Lakewood 105

4.5 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120

4.9 ★ Hawaii 4 Dogs 666-777-8989 6000 North St Los Angeles 200

3.1 ★ The Ritz Pup Hotel 555-765-4321 1200 Orange Avenue Newport Beach 220

11100 01010

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Name

Dog Boarders

3.7 ★ Chateau Chen 555-470-5211 7000 Grand Ave Huntington Beach 230

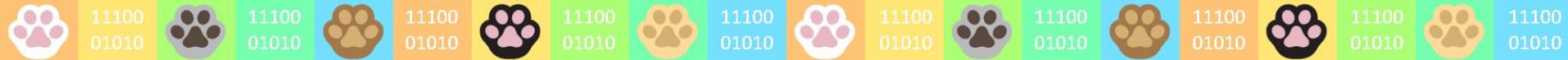
3.9 ★ Dog Beds R Us 555-606-7007 610 Penbrooke St Lakewood 105

3.4 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120

5.0 ★ Hawaii 4 Dogs 666-777-8989 6000 North St Los Angeles 200

4.7 ★ The Ritz Pup Hotel 555-765-4321 1200 Orange Avenue Newport Beach 220

11100 01010



How many clicks to reach a certain feature?

View dog services page = **1 click**

The screenshot shows the Pooch homepage. At the top, there is a navigation bar with the word "POOCH" and a user profile icon. Below the navigation bar is a large, horizontal image of a black and white dog walking on a snow-covered path through a forest. The navigation bar has seven items: "Your Pets" (orange), "Dog Walking" (yellow), "Dog Boarding" (green), "Dog Services" (red, highlighted with a red arrow pointing to it), "Dog Meetup" (light blue), "Dog Records" (purple), and "Dog Grooming" (light green). Below the image, there are four small circular dots indicating more content.

Detect location = **1 click**

The screenshot shows the "Dog Services" page from the Pooch website. At the top, there is a navigation bar with the word "POOCH" and a user profile icon. Below the navigation bar is a search bar with the placeholder "Enter your city:" and a button labeled "Track your location". To the right of the search bar is a section titled "Local Dog Supply Stores:" containing two input fields with the coordinates "33.78500210000001" and "-118.13757260000001". Below this is another section titled "Local Dog Grooming Services:" with two empty input fields.



How many clicks to reach a certain feature?

View dog records page = **1 click**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Upload document = **2 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

* First, select the document you want

Choose File: No file chosen

Upload Dog Record

* Then, click upload

View document = **0 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Choose File: N/A file chosen

load

Delete document = **2 clicks**

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Choose File: N/A file chosen

load

Delete

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

* First, select the document you want

Choose File: medical-form.jpg

Upload Dog Record

* Then, click upload

POOCH

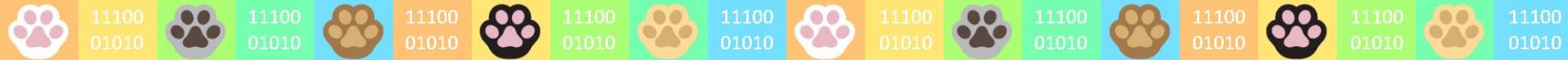
Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

* First, select the document you want

Are you sure you want to delete the current document?

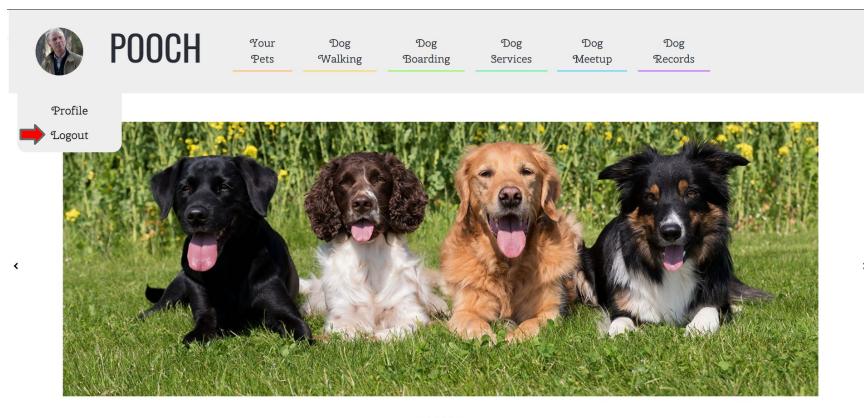
Yes No

WARNING: This is irreversible!



How many clicks to reach a certain feature?

Log out = **1 click**





Platform required to experience the released code

Our application can be accessed through any major web browser

- Chrome
- Firefox
- Safari



User Manual for the Code Release



Introduction

Welcome to Pooch!

The dog focused petcare web application which plans to become an all-in-one dog service application, for everything related to pets.

Get started at the link below and then follow along with the manual.

<https://cecs-491-1934c.firebaseio.com/>



1. View Home

- ★ Click on “POOCH” in the top left
- ★ Scroll down to learn about all the great features Pooch has to offer

Your
Pets

Dog
Walking

Dog
Boarding

Dog
Services

Dog
Meetup

Dog
Records

Your
Pets

Dog
Walking

Dog
Boarding

Dog
Services

Dog
Meetup

Dog
Records

DOG BOARDING

Find the most qualified local dog boarders for your four-legged friend when you go out of town. Whether you need a provider with no appointment needed, spacious rooms, or even a pool, Pooch has you covered. Let your dog enjoy their stay to the fullest.

Your
Pets

Dog
Walking

Dog
Boarding

Dog
Services

Dog
Meetup

Dog
Records

DOG SERVICES

Find vets, pet supply stores, dog groomers, and adoption centers all without leaving Pooch. With your dog's info easily accessible, speed up the process of finding the dog services you need. Take the care of your pooch to the next level with highly-recommended dog service providers at your fingertips.



2. Create Account

- ★ Click on “Create Account” in the top right
- ★ Enter your email
- ★ Enter your password
- ★ Confirm your password
- ★ Click on the “Create Account” button in the center of the screen

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Login Create Account

New to Pooch? Start here ↗

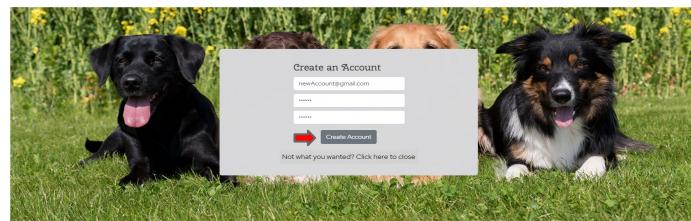


POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Login Create Account

New to Pooch? Start here ↗





3. Login

- ★ Click on “Login” in the top right
 - ★ Enter your email
 - ★ Enter your password
 - ★ Click on the “Login” button in the center of the screen

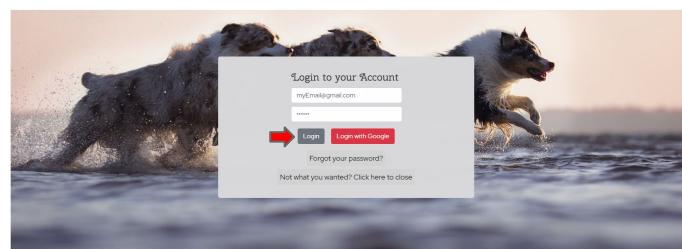
OR

- ★ Click on the “Login with Google” button in the center of the screen

The screenshot shows the Pooch website's header. The word "POOCH" is in large, bold, black letters. Below it is a horizontal menu with several items: "Your Pets" (underlined), "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". To the right of the menu are two buttons: "Login" with a red arrow pointing to it and "Create Account". A small text link "New to Pooch? Start here" is also visible.



The screenshot shows the same Pooch website header as above. A modal dialog box is overlaid on the image of the dogs. The dialog has a white background and contains the text "Login to your Account" and an input field with the placeholder "myEmail@gmail.com". Below the input field are two buttons: "Login" (in red) and "Login with Google". There is also a "Forgot your password?" link and a "Not what you wanted? Click here to close" link.





4. Setup Profile

- ★ On first login, you will be prompted to setup your profile
- ★ Click either “Dog Parent” or “Dog Service Provider”
- ★ Select a profile picture, enter your info, then press “Create Parent Profile”
OR
- ★ Click either “Dog Walking” or “Dog Boarding”
- ★ Select a profile picture, enter your info, then press “Create Dog Walking Profile”
OR
- ★ Select a profile picture, enter your info, then press “Create Dog Boarding Profile”

The screenshots illustrate the user flow for creating a profile. The first two screens show the initial choice between 'Dog Parent' and 'Dog Service Provider'. The subsequent screens show the specific steps for creating a parent profile, followed by the choice between 'Dog Walking' and 'Dog Boarding', and finally the creation of a dog walking or boarding profile.



5. View Profile

★ Hover over the profile picture in the top left

★ Click on the picture

OR

★ Click on “Profile” in the dropdown menu that appears

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records



Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records





6. Reset Profile

- ★ Click on “Delete Profile” at the bottom of the screen
- ★ Click on “Yes” in the center of the screen

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

1200 Lansing Ave
Seattle
140

Edit Profile

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Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

1200 Lansing Ave
Seattle

Are you sure you want to delete your profile?

Yes No

WARNING: This is irreversible!

Delete Profile

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7. Setup Pet Profiles

- ★ Click on “Your Pets” at the top
- ★ Click on the circle with a +
- ★ Select a pet picture, fill out their info, and click “Create Dog Profile” at the bottom

The screenshots illustrate the steps for creating a pet profile. The top image shows the main application interface with a large photo of a dog and a cat. The middle image shows the 'Your Pets' section, which is currently active, indicated by a yellow underline. It features a large plus sign button and a tooltip that says 'Here you can manage all of your pets' profiles'. The bottom image shows the 'Create Dog Profile' form, which includes fields for Name, Gender, Dog Breed, Select color*, Age, and a checkbox for 'Show only common dog breeds'. A red arrow points to the 'Create' button at the bottom right of the form.



8. View Pet Profiles

- ★ Click on circle with your dog's picture

POOCH

Your Pets

Dog Walking

Dog Boarding

Dog Services

Dog Meetup

Dog Records



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Choose File No file chosen

Goldilocks

Female

Golden Retriever

Yellow

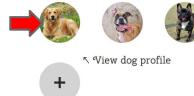
2



9. Edit Pet Profiles

- ★ Click on circle with your dog's picture
- ★ Change the picture or other info
- ★ Click on “Update Dog Profile” at the bottom

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records



^ View dog profile

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Choose File majestic-retriever.png

Goldilocks

Female

Golden Retriever

Yellow

2

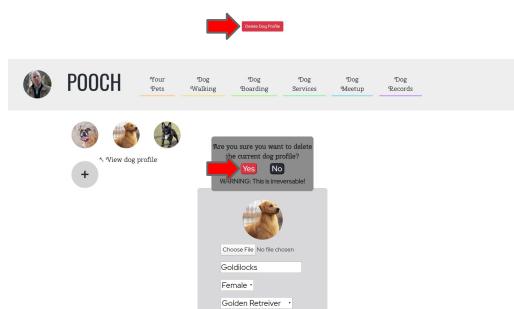
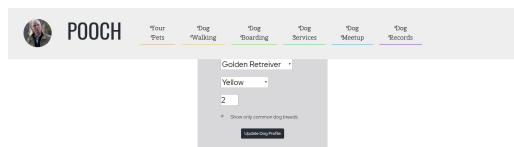
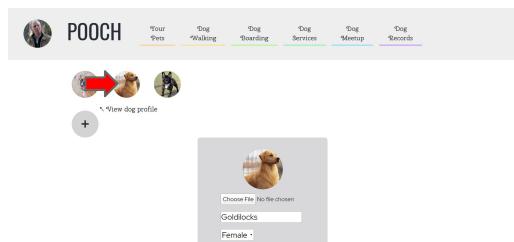
Show only common dog breeds

Update Dog Profile



10. Delete Pet Profiles

- ★ Click on circle with your dog's picture
- ★ Click on “Delete Dog Profile” at the bottom
- ★ Click on “Yes” at the center of the screen





11. View Dog Walkers

- ★ Click on “Dog Walking” at the top

Your Pets → Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records



Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Dog Walkers																	
	3.6 ★	Lela 555-333-4444 Austin 20		3.2 ★	Luther Hutchinson 555-777-8282 Helena 15		4.2 ★	Doug Walker 555-111-22345 Long Beach 25		4.2 ★	Doug Walker 555-111-22345 Long Beach 75		3.5 ★	Jeremy Gains 555-444-7788 Long Beach 16		4.3 ★	Victoria Prichett 555-444-3939 Los Angeles 32



12. Sort Dog Walkers

- ★ Click on “City” at the top right
- ★ Click on “City”, “Hourly Rate”, or “Name” to order dog walkers by that attribute

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... Dog Walkers

Profile Picture	Name	Rating	Phone Number	Address	Reviews
	Lela	3.6 ★	555-333-4444	Austin	20
	Luther Hutchinson	3.2 ★	555-777-8282	Helena	15
	Doug Walker	4.2 ★	555-111-2345	Long Beach	25
	Doug Walker	4.2 ★	555-111-2233	Long Beach	75
	Jeremy Gains	3.5 ★	555-444-7788	Long Beach	16
	Victoria Pritchett	4.3 ★	555-444-3939	Los Angeles	32

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City Hourly Rate Name Dog Walkers

Profile Picture	Name	Rating	Phone Number	Address	Reviews
	Lela	3.4 ★	555-333-4444	Austin	20
	Luther Hutchinson	5 ★	555-777-8282	Helena	15
	Doug Walker	4.2 ★	555-111-2345	Long Beach	25
	Doug Walker	3.8 ★	555-111-2233	Long Beach	75
	Jeremy Gains	5 ★	555-444-7788	Long Beach	16
	Victoria Pritchett	4.8 ★	555-444-3939	Los Angeles	32



13. Search Dog Walkers

- ★ Click on “Search...” in the middle of the screen
- ★ Begin typing for the dog walkers to be filtered, letter by letter (set the search category to the right of the search bar)

Name	Rating	Contact Information	Location
Lela	3.6 ★	555-333-4444	Austin
Luther Hutchinson	3.2 ★	555-111-2345	Helena
Doug Walker	4.2 ★	555-111-2345	Long Beach
Doug Walker	4.2 ★	555-111-2345	Long Beach
Jeremy Gains	3.5 ★	555-444-7788	Long Beach
Victoria Pritchett	4.3 ★	555-444-3939	Los Angeles

Name	Rating	Contact Information	Location
Doug Walker	3.8 ★	555-111-2345	Long Beach
Doug Walker	4 ★	555-111-2233	Long Beach



14. View Dog Boarders

- ★ Click on “Dog Boarding” at the top

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Search... City

Dog Boarders

 3.4 ★ Chateau Chien 555-470-5211 7000 Grand Ave Huntington Beach 230	 3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrook St Lakewood 105	 4.5 ★ Doggy Vacation! 555-655-7788 1500 Pacific Coast Highway Long Beach 120	 4.9 ★ Hawaii 4 Dogs 666-777-8989 6000 North St Los Angeles 200	 3.1 ★ The Ritz Pup Hotel 555-765-4321 1200 Orange Avenue Newport Beach 220
---	---	--	--	--



15. Sort Dog Boarders

- ★ Click on “City” at the top right
- ★ Click on “City”, “Daily Rate”, “or “Name” to order dog boarders by that attribute

Name	City	Daily Rate	Name
Chateau Chien	Huntington Beach	\$55-\$470	Chateau Chien
Dog Beds R Us	Lakewood	\$55-\$606	Dog Beds R Us
Doggy Vacation!	Long Beach	\$55-\$666	Doggy Vacation!
Hawaii 4 Dogs	Los Angeles	\$666-\$777	Hawaii 4 Dogs
The Ritz Pup Hotel	Newport Beach	\$55-\$765	The Ritz Pup Hotel

Name	City	Daily Rate	Name
Chateau Chien	Huntington Beach	\$55-\$470	Chateau Chien
Dog Beds R Us	Lakewood	\$55-\$606	Dog Beds R Us
Doggy Vacation!	Long Beach	\$55-\$666	Doggy Vacation!
Hawaii 4 Dogs	Los Angeles	\$666-\$777	Hawaii 4 Dogs
The Ritz Pup Hotel	Newport Beach	\$55-\$765	The Ritz Pup Hotel



16. Search Dog Boarders

- ★ Click on “Search...” in the middle of the screen
- ★ Begin typing for the dog boarders to be filtered, letter by letter (set the search category to the right of the search bar)

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

Dog Boarders

 3.4 ★ Chateau Chien 555-470-5211 7000 Grand Ave Huntington Beach 230	 3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrook St Lakewood 105	 4.5 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120	 4.9 ★ Hawaii 4 Dogs 666-777-8989 6000 North St Los Angeles 200	 3.1 ★ The Ritz Pup Hotel 555-765-4321 1200 Orange Avenue Newport Beach 220
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POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

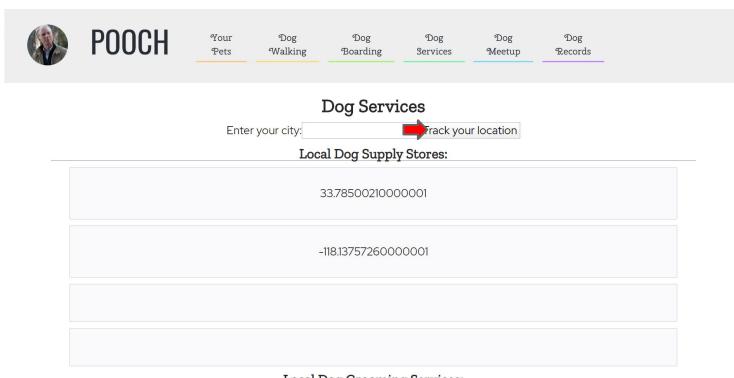
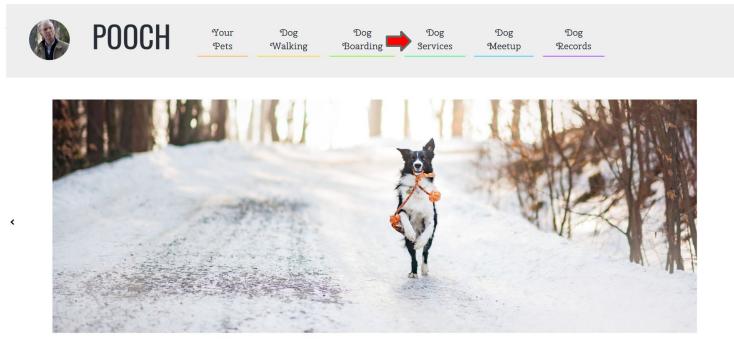
Dog Boarders

 3.6 ★ Dog Beds R Us 555-606-7007 610 Penbrook St Lakewood 105	 4.8 ★ Doggy Vacation! 555-666-7788 1500 Pacific Coast Highway Long Beach 120
--	---



17. Detect Location

- ★ Click on “Dog Services” at the top of the screen
- ★ Click on “Track your location” near the top





18. View Meetups

- ★ Click on “Dog Meetup” at the top of the screen
- ★ Scroll to the bottom of the page

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

POOCH

Your Pets Dog Walking Dog Boarding Dog Services Dog Meetup Dog Records

14,900+
Description
i.e. Weekly play time for small dogs at Ruff Park

Submit

Local Doggy Meetups

Date&Time	Address	City	State	Zipcode	Description
2019-10-14T14:00	123 Ruff Way	Long Beach	CA	90801	A fun meetup for first-time park goers. Introduce your dog to some neighborhood friends!
2020-12-19T11:00	123 Second Dr	Long Beach	CA	90815	Small dogs
2020-10-12T12:15	123 Second Ave	Long Beach	CA	90815	Corgi Meetup

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19. Create New Meetup

- ★ Click on “Dog Meetup” at the top of the screen
- ★ Fill out the form with your planned time and location
- ★ Click “Submit” at the bottom of the form

The screenshot shows the Pooch website's homepage. The header includes a user profile picture and the word "POOCH". Below the header is a navigation bar with several tabs: "Your Pets" (which is underlined in orange), "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup" (with a red arrow pointing to it), and "Dog Records". The main visual is a photograph of a white dog and a dark-colored cat sitting together outdoors.

The screenshot shows a "Schedule a New Meetup" form. It contains the following fields:

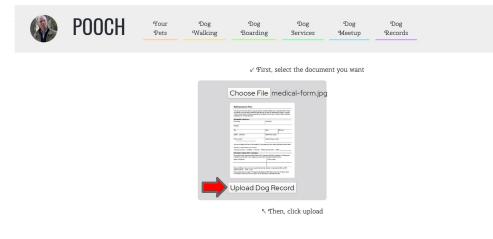
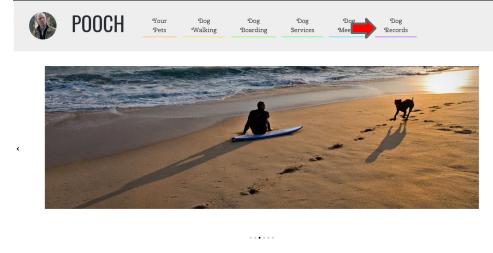
- Date & Time: 02/03/2020 05:00 PM
- Address: 1800 E Los Coyotes
- City: Long Beach
- State: CA
- Zipcode: 90806
- Description: Dog park time for the Los Coyotes gang

A red arrow points to the "Submit" button at the bottom right of the form.



20. Upload Document

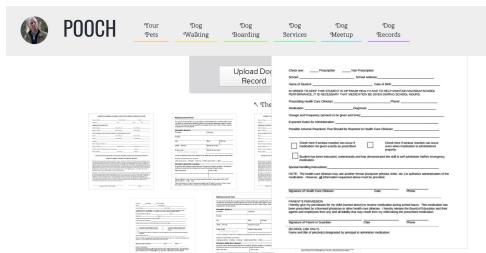
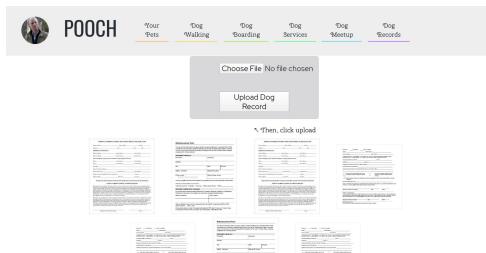
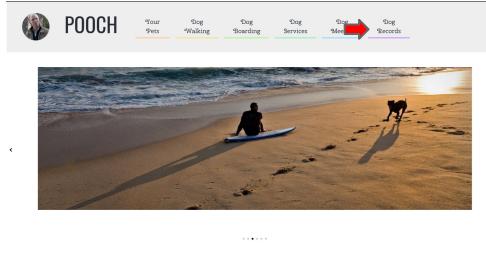
- ★ Click on “Dog Records” at the top of the screen
- ★ Click on “Choose File” in the middle and select the document in your computer you want to upload
- ★ A preview of your document will be generated
- ★ Click “Upload Dog Record” below the preview





21. View Documents

- ★ Click on “Dog Records” at the top of the screen
- ★ Scroll down the page until you see small previews of your records
- ★ Hover over each document for it to expand to full size





22. Delete Documents

- ★ Hover over each document for it to expand to full size
- ★ Click on the document you want to delete
- ★ Click “Yes” in the middle of the screen

The screenshot shows a user profile picture and the word "POOCH". Below the profile are navigation tabs: "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". A large "Upload Doc Record" button is visible. Below the button is a list of several small document thumbnails. One specific document is expanded, showing its full form with fields like "Check out _____ Prescription _____ Use Prescription _____ School _____". There is a red arrow pointing to a checkbox labeled "Delete this document?". At the bottom of the expanded document is a "Yes" button.

The screenshot shows a user profile picture and the word "POOCH". Below the profile are navigation tabs: "Your Pets", "Dog Walking", "Dog Boarding", "Dog Services", "Dog Meetup", and "Dog Records". A confirmation dialog box is centered on the screen with the text "Are you sure you want to delete the current document?". Below the dialog is a "Yes" button highlighted with a red arrow and the text "WARNING: This is irreversible!". In the background, the list of documents from the previous screenshot is visible.



While the demo is playing, feel free to ask questions

[Sprint 5 Demo.mkv](#)

<https://cecs-491-1934c.firebaseioapp.com/>



End of Sprint 5 Presentation

POOCH