

HelpMeLabel Project Details

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EXECUTIVE SUMMARY

Problem/Objective

The problem is that companies that use data science have computing power but the whole data science is lacking data, specifically clean labelled data. The current solution is to send sets of images to label farms in china and use cheap labour to get it labelled. The problem is that not all clients have access to this and there are not alot of these farms as of now. In HelpMeLabel clients can simply upload a collection of images with possible options to select. "Labelers" would log into their account and start labeling data in a tinder like fashion. The end product would leave the clients with their images paired with JSON objects with label classification.

Vocabulary:

Labelers: People that sign up to the service and can start earning money for labeling random images

Clients: People that upload images to website to be labelled

Goals

To give clients a better experience in labeling their images, and give "Labelers" an opportunity to generate a source of income through their computers and mobile devices. Essentially connecting the data that needs to be labelled to the people that have the time to label it in one unified solution.

Solution

Website for clients to input image collections and a website/mobile client for "Labellers" to label the images

Project Outline

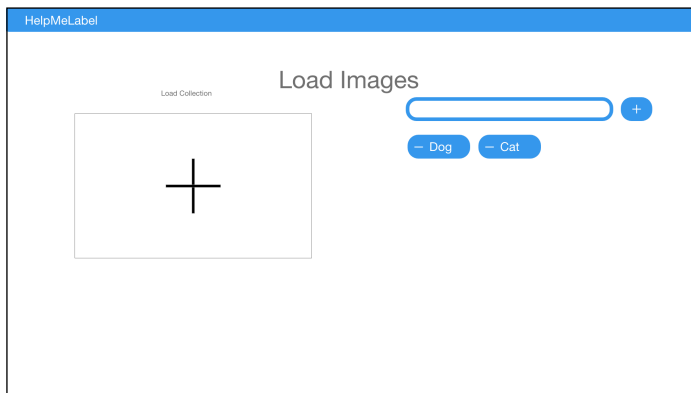
- Proof of Concept
 - Wireframes and Explanation
 - Front End Architecture Plan
 - Back End Architecture Plan
 - Database Architecture
 - Server Side Architecture
 - Development
 - Commercializing and Finishing Product (iOS and Android Discussion)
 - Deployment
 - Investor growth
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PROOF OF CONCEPT

Description:

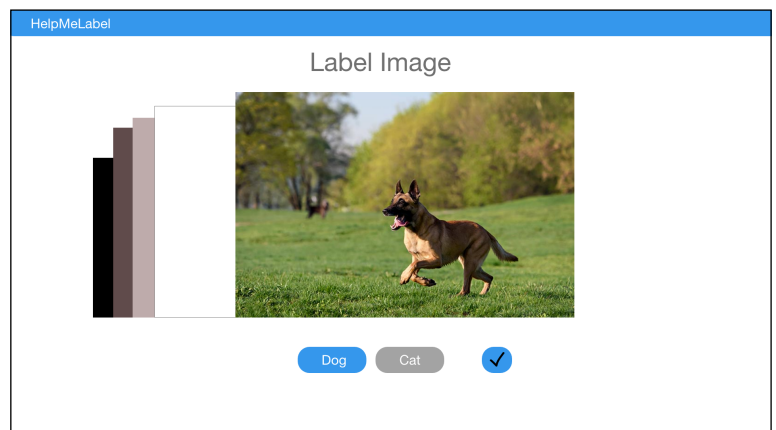
The proof of concept will consist of a bare bones front end and back end. There will be one page for inserting images and options for labels. One page that loads images from the database to be labeled. And one page that you can collect the labeled images

Wireframes:



Loading Image Collection Page: This page is where the client will be allowed to upload a collection of images in the box on the left hand side of the page. They will also be allowed to add possible labels to that collection on the right side (Adding and deleting as necessary)

Label Image Collection Page: Users that log on will be given images to label. The user can select that label that corresponds with the image and select the check mark to proceed to the image. All the images will be random and won't necessarily be part of the same collection.



Loading Image Collection Page:




This is where clients that submitted their image collections for labeling can check the details and status of all their image collections. They will be able to sort and search filter their collections and also download the results of the label which will be the final product of the client for that collection

HelpMeLabel

Retrieve Images

Search collection name

Search

Collection Name	# Images	# Failed Labels	# Successful Labels	Status	Upload date	
Dogs and Cats	10,032	567	9465	Completed	16-02-2019	
Car Types	4,324	987	3092	In progress	12-07-2019	
Facial Emotions	23,678	921	22757	Completed	03-12-2019	

FRONT END SOFTWARE ARCHITECTURAL PLAN
BACK END SOFTWARE ARCHITECTURAL PLAN
DEVELOPMENT TIME LINE
COMMERCIALIZING
INVESTMENT GROWTH