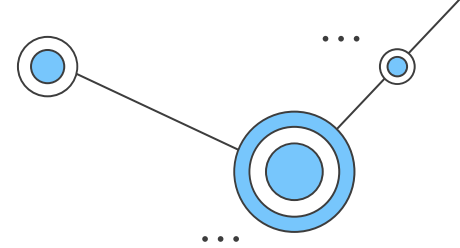


# Crime Miner Video

Iteration 1

# Team Members Information

## CS Seniors



**Jacob Bishop**



**Eric Perez**



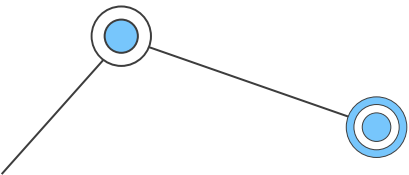
**Isaac  
McKinney**



**Merghani Hagelnour**



**Brendan May**



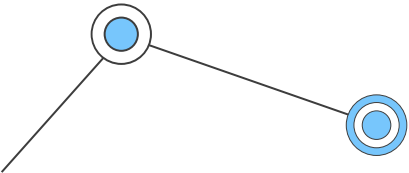
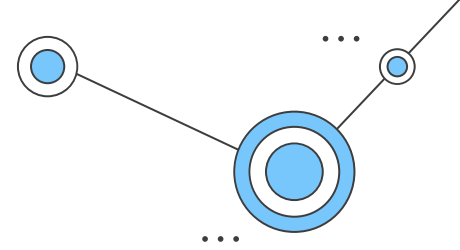
# Client information



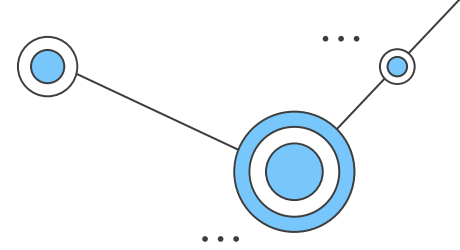
chuqlab

## Chuqlab

- Dedicated partners in stopping crime
- Prioritize markets and industries that are severely underserved by the technology community.
- Design solution to be nimble and adaptive
- Investigators no longer need to spend hundreds of hours sifting through all of the audio files manually.
- Cornelius CEO of Chuqlab has been main contact for Crime Miner

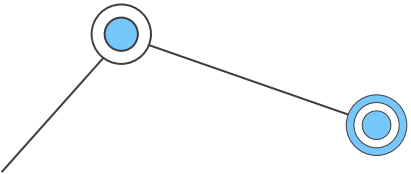


# Mentor feedback

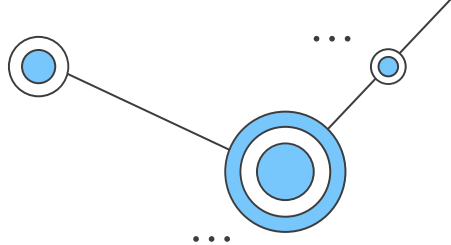


## Mentor Feedback

- Drew recommended Ionic CLI
- Make more more tests
- Mock certain aspects of product
- the AWS stuff looks good since he works on AWS all the time



# Client feedback

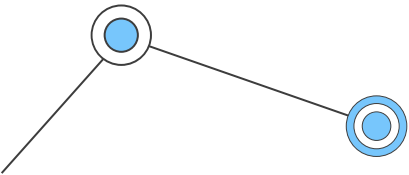


## UI feedback

- Look at it through the customer's eyes
- make it user friendly, make sure anyone can use it
- Straight forward so there's no confusion

## Uploading files feedback

- Having to upload multiple file and make multiple calls to the API
- Make the upload time short
- 



# Iteration 1 features



## Check for Faces in a Video

Give S3 object information and see information about faces in the video.

## Look at the AWS S3 Bucket Contents

See which videos you have ready to perform machine learning actions on.

## Command Line Interface

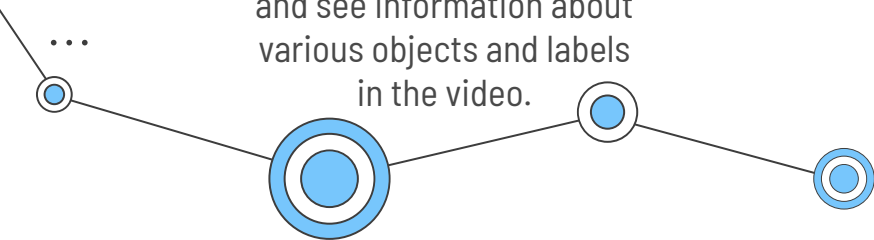
Complete various AWS actions with just a few simple inputs.

## Check for Labels in a Video

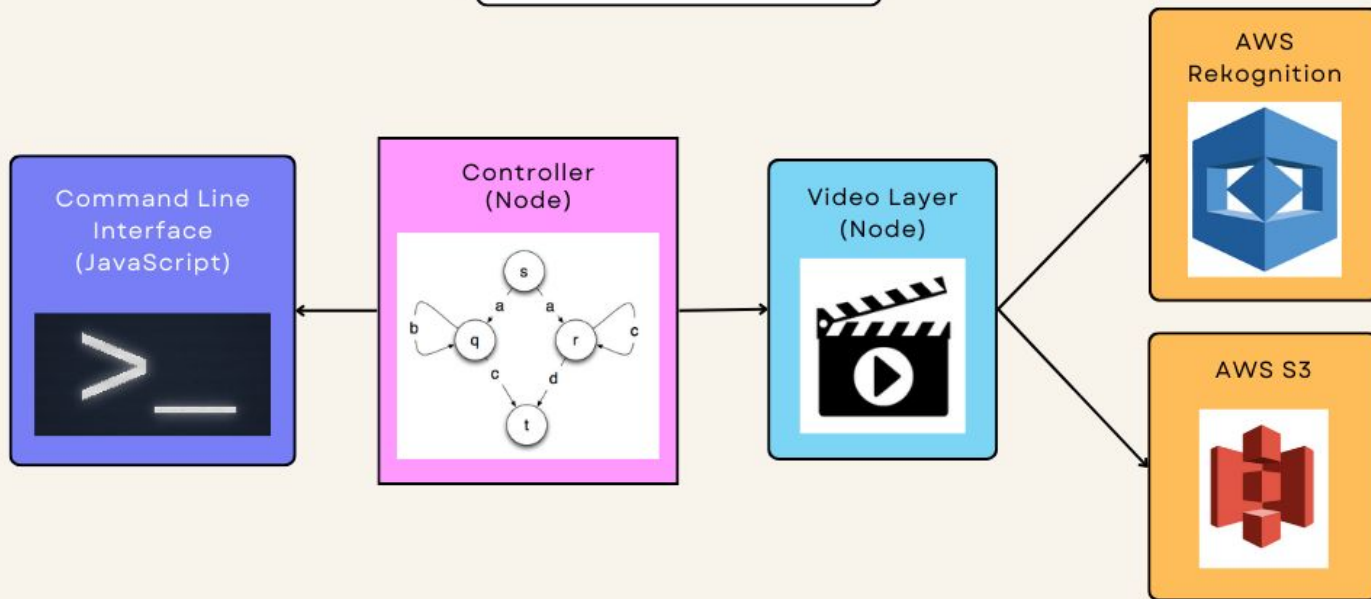
Give S3 object information and see information about various objects and labels in the video.

## Upload a New File to AWS S3

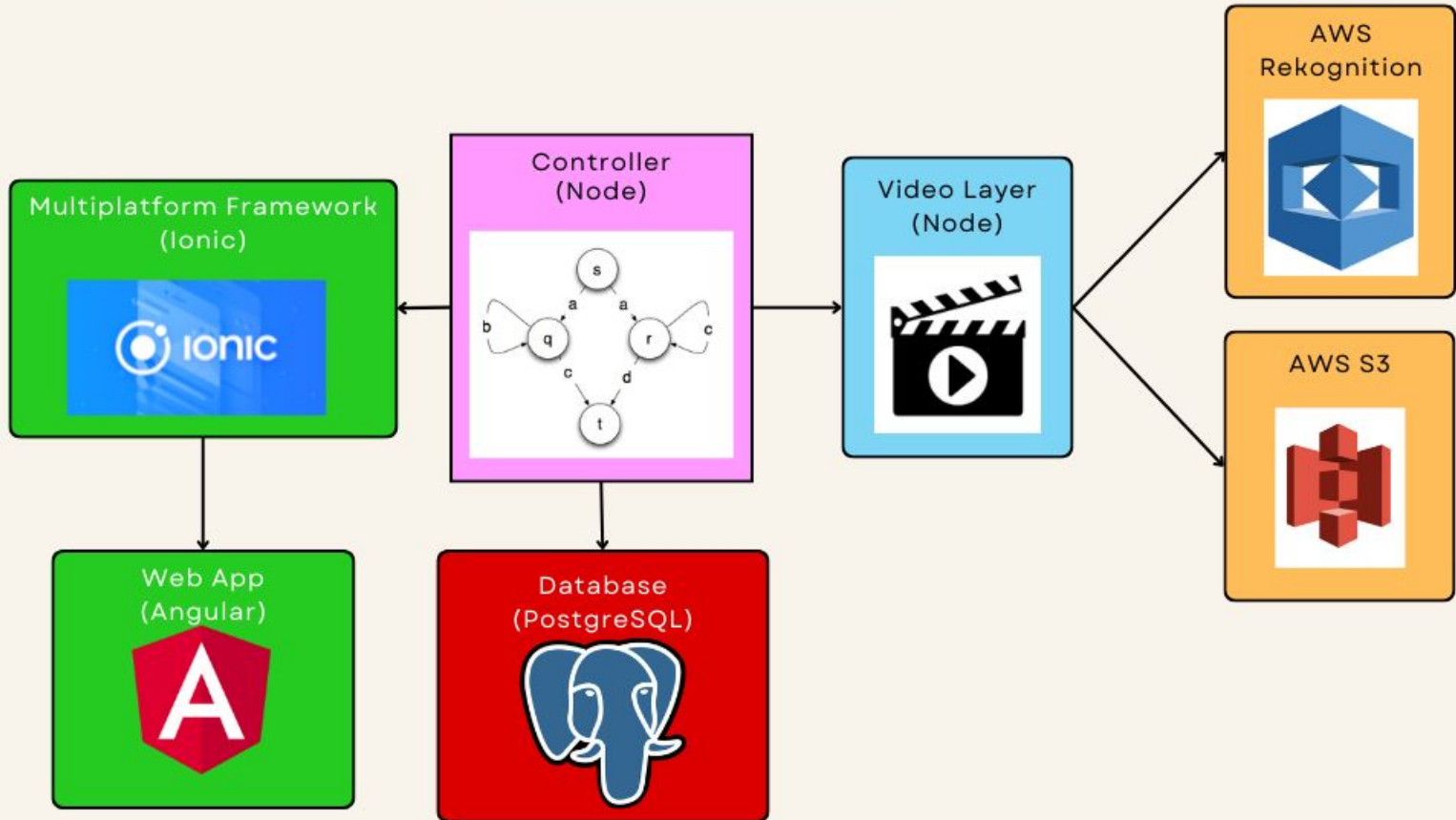
Put an image or video up so you can perform machine learning actions on it later.



## Iteration 1 Architecture



## Iteration 2 Architecture





# Iteration 2 features

A decorative line with circles starts at the top right, goes left, then down to a larger circle, then up and right to another circle, and finally up and right to a third circle. Ellipses are placed above the first and third circles.

## Manage files to “solve the case!”

The user can create cases, upload related files, and control their experience with the case.

## Angular Web Application Interface

Have a user journey for a police officer.

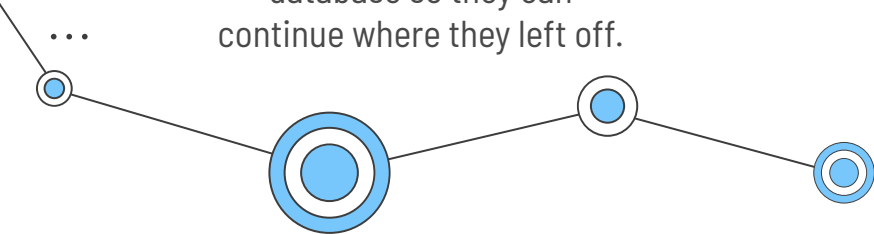
## Utilize Machine Learning to Get Needed Information

A decorative line with circles starts at the top right, goes left, then down to a larger circle, then up and right to another circle, and finally up and right to a third circle. Ellipses are placed above the first and third circles.

The user can process videos to look for whatever is relevant to their case.

## The Workspace isn't Going Anywhere

The user's files are saved locally in a PostgreSQL database so they can continue where they left off.

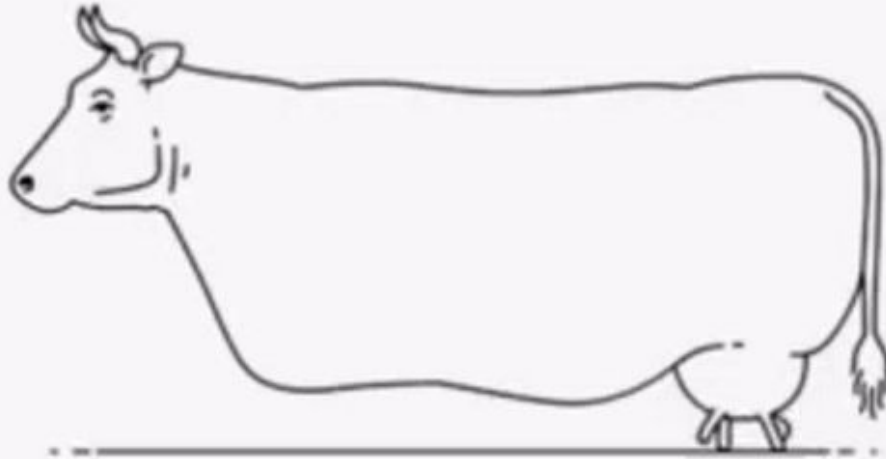
A decorative line with circles starts at the bottom left, goes right to a larger circle, then right to another circle, and finally right to a third circle. Ellipses are placed to the left of the first circle.

## Do Multiple Tasks Simultaneously and Faster

The user can do some work on a case, have video processing run in the background, and go do something else.



- If your code works fine don't touch it  
+ my code:





# Demonstration