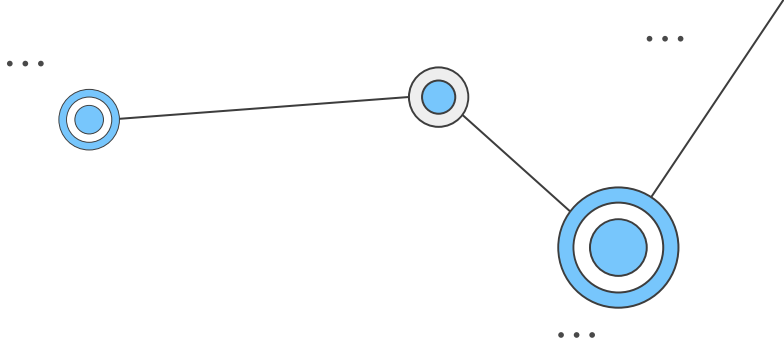


Crime Miner Video

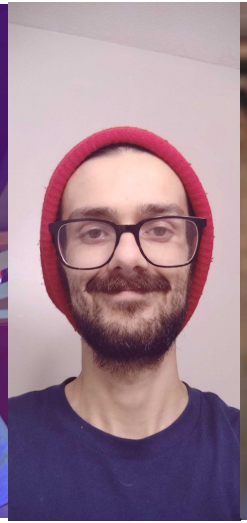
Iteration 4

Team Members Information

CS Seniors

Jacob Bishop

Eric Perez



Isaac McKinney

Merghani Hagelnour

Brendan May

Client Information

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

Drew Feedback

- Design is a lot better
- Pages are more condensed than before
- Some frontend tests aren’t written correctly
- Consider splitting large components into several smaller ones

Changes

- Rewrote some frontend tests
- Nested a few components within other ones

Client feedback

Cornelius Feedback after Testing the Web App

- Make scanning through multiple files easier
- “Heading in the right direction”
- Continue improving on design
- Make user experience closer to Crime Miner Audio
- Worried about two things
  - User design
    - Not close enough to design customers are already familiar with
    - Too technical, hard for police officer to understand
  - Verbose steps to complete tasks
    - Run video analysis on multiple files easier

Planned Changes

- Rethink design to match their products closer
- Meet with Cornelius more regularly to get feedback from a user perspective

Iteration 4 Features

Iteration 4 features

Improve the Web app

Having a UI that has that follow a theme and looks appealing to the eye. User experience will be a top priority.

User Portals

Adapt DB to be organized by users. Each user can have their own experience and the app protects their data

Angular Web Application Interface

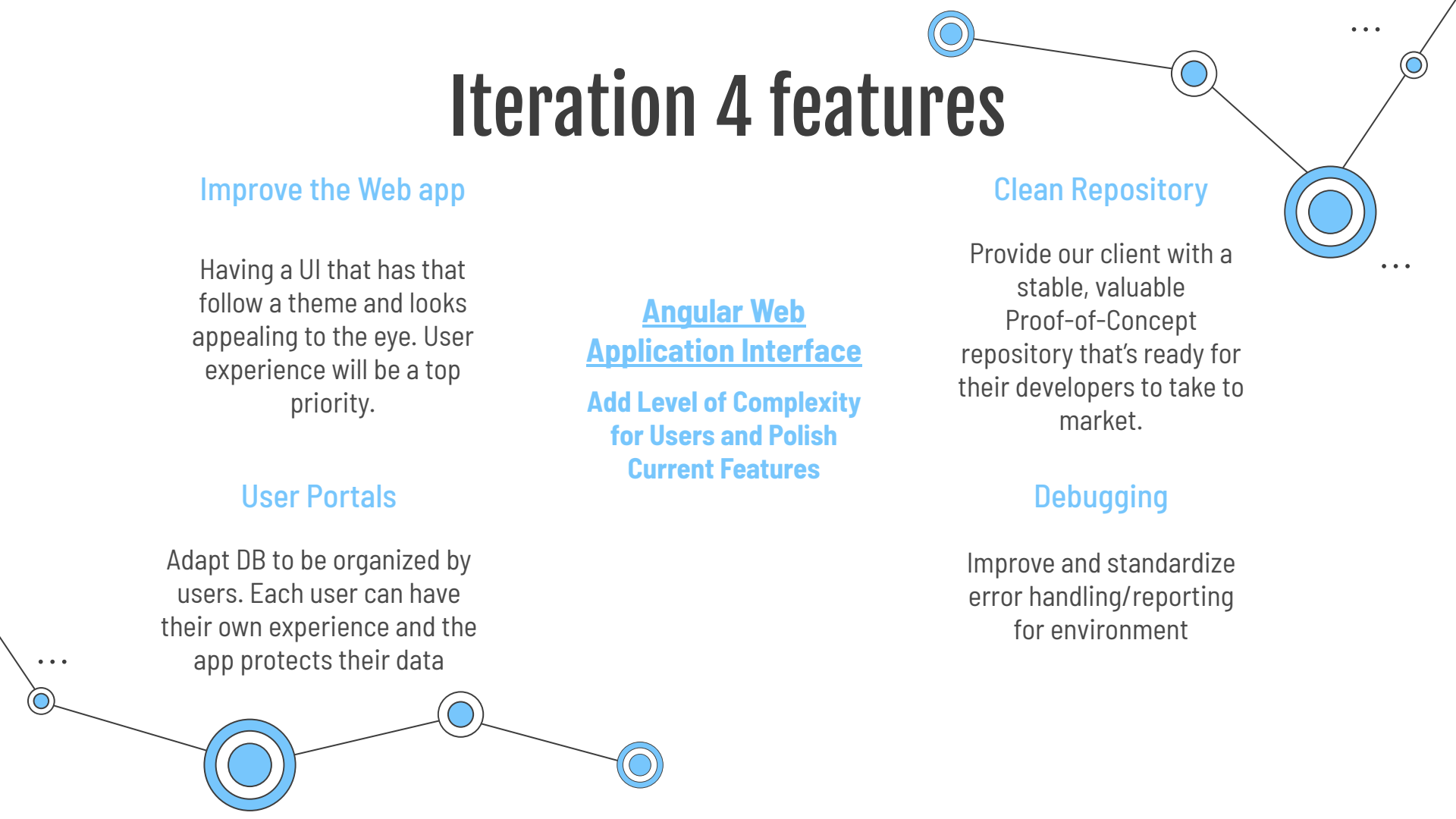
Add Level of Complexity for Users and Polish Current Features

Clean Repository

Provide our client with a stable, valuable Proof-of-Concept repository that's ready for their developers to take to market.

Debugging

Improve and standardize error handling/reporting for environment



Benefit to the Client

Before Project

- Chuqlab had no application to analyze video files for police detectives

Before Iteration 4

- User experience was barely considered
- User story was complete, but there were no extra features
- Viewing label detection outputs was buggy and not user-friendly
- No user management

After Iteration 4

- Users are authenticated via Cognito and can make cases associated with their account
- Features are condensed and provide a more familiar UI/UX design
- Application gives users feedback and automatically directs them to where they need to be
- User knows which labels they can search for with auto-suggestions

Iteration 5 Features

Iteration 5 features

Familiarize the web app

The Web app's flow should look similar to the Crime Miner Audio to lessen learning curve for users

Angular Web Application Interface

Create definitive user experience solely based on what Chuqlab wants.

Make it easier for users to scan the whole case

Users should be able to search all files with one action

Improve user authentication logic

Help users protect their account and data by improving login interface

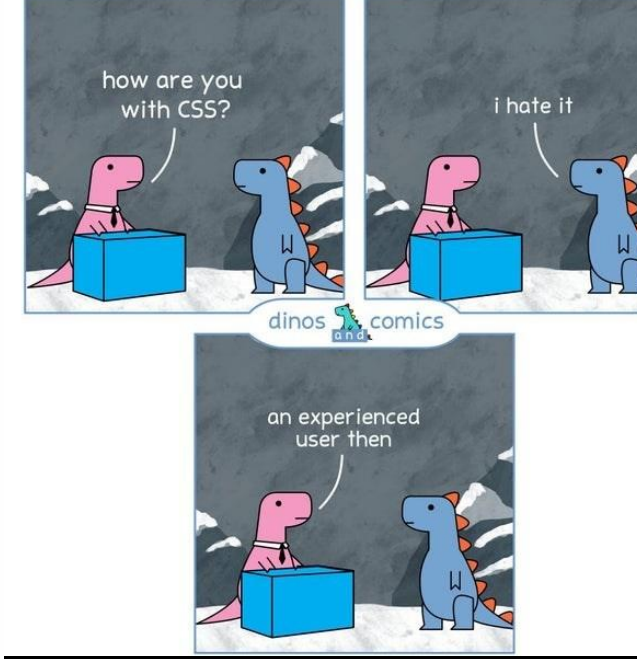
Download results for evidence

Give the user results they can export and share with others

Demonstration

checking my changes after coding for 1 hour.

Me: finally I have made a perfect UI. Users can't go wrong

Users:

When you ask the backend developer to choose color shades for the website frontend