Need a way to upload photos from a fishing trip

Need a way to view previous fishing trips

Need a way to view statistics

Need a way to measure photos

/upload

/dashboard

/analytics

Upload

* Pick your fishing trip from the list.
* Pick which photos you want to add to that fishing trip.
* Hit upload and then it will upload those photos to the fishing trip you selected.

Dashboard

* View of recent fishing trips
* Can click on a fishing trip and see the details and fish from that trip.
  + Map of location, bounding box from the gps locations of each fish caught
  + Number of fish
  + Date
  + Weather
  + Pictures of all the fish + details of that fish
    - Line item for each fish
  + Click on a photo and then open up that picture right in the dashboard to add length markers.

Analytics

* This needs to be figured out

Build Steps

**Web**

Build framework for uploading pictures.

Create dashboard where you can see previous fishing sessions

Create popup display of details when you view a specific fishing session.

**App**

Start and end a fishing session

* Pick your body of water you’re fishing in
* Start, pause, stop features
* **START**
  + Collect start temp, gps location, time, body of water
* **PAUSE**
  + Pause timer, display fishing stats
* **END**
  + Collect end temp, time.
* When you hit end, that fishing session is saved to firebase.

Might have to learn how offline data works. Might need that for this app.

**Phase 1**

* Upload pictures to that fishing session and view them on the dashboard.
* Start and end fishing session, no actual recording of fish.

**Phase 2**

* Take pictures with chest camera and upload those pictures to a specific fishing session.
* Create way to measure lengths of those pictures.

**Phase 3**

* Figure out how the heck a smart watch works and make an app that can record my voice.

BRAINSTORMING

Fishing App

Wear a smartwatch that will collect data

Wear a camera that will collect data

Carry a smartphone that will write data

Website to do processing of that data.

This should be a companion app. Open your phone web app when you start fishing and hit the “Start Fishing” button. You catch a fish, and record an audio file with your watch and take a picture with your chest mounted camera. When you record the audio with your watch, and you it finishes, launch a Bluetooth event that is caught by the phone’s web app. The web app will then take that audio file that’s returned and upload that to firebase storage. This would increment the fish counter on the phone app.

Once you get back home, upload the photos of the fish you’ve caught, and have a way to process the audio files that you recorded. Then you can basically keep data on all the things you’ve caught, and eventually filter and sort by it.

Maybe the smart watch could just be a web app that’s rendered differently?

Data to collect on a fishing “trip”

Date

Flowrate

Weather – take at beginning, take at end. Get high lows from those numbers

Data to collect for each fish

Watch – species, lure used, color of lure, gps location, time stamp,

Camera – picture (which we’ll measure)