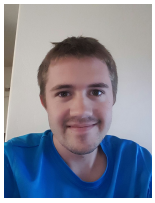
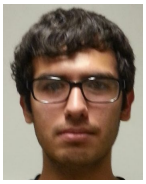
Weekly Team Task Report

Report #12

Team: Hydro Citizens	**Date: 1/23/18**
Project Title: **Citizens science mobile app for hydrology reporting**	

	**Logan Brewer** Present On-time		**Kelli Ruddy** Present On-time		**Luis Arroyo** Present On-time		**Ryan Ladwig** Present On-time

Recent Meetings:

Team Meeting 1/19/18
Team Meeting 1/26/18 (Upcoming)

TASKS COMPLETED since last meeting:

Task Title: Updated User Submission Form	**Task Initiation:**	**Orig. Due Date:**	**Status:** Completed
Who (%): Kelli Ruddy			
Description: A user can now submit the name of the location, height of water and additional comments to database. Ideally the water height and location will be filled using geolocation and image processing.			
Expected Outcome: Have a working form that submits to mongodb.			

Task Title: User submitted image	**Task Initiation:**	**Orig. Due Date:**	**Status:** Completed
Who (%): Kelli Ruddy			
Description: A user can now submit a photo using GridFS(issue was using collectionfs) and view.			
Expected Outcome: User submitted image			

Task Title: Updated Google Maps	**Task Initiation:**	**Orig. Due Date:**	**Status:** Completed
Who (%): Luis Arroyo			
Description: A refactored version of the Google Maps that includes geolocation, being able to click to add markers on the map, and saving the longitude and latitude on a mongodb.			
Expected Outcome: Have a working Google Maps with geolocation, adding markers, and submitting longitude and latitude to mongodb.			

This week's Tasks: Work plan for coming week

Task Title: Begin App Compilation	**Task Initiation:** 1/23/2018	**Orig. Due Date:** 1/30/2018	**Status:** In Progress
Who (%): Logan Brewer			
Description: An application that combines all of our parts into 1 application that runs on a mobile device.			
Expected Outcome: Be able to run each person's part of the project in 1 mobile application.			

Task Title: Begin Computer Vision with JavaScript	**Task Initiation:** 1/23/2018	**Orig. Due Date:** 1/30/2018	**Status:** In Progress
Who (%): Ryan Ladwig			
Description: After transferring the OpenCV algorithms from the client's implementation to Android through Android Studio, we have decided to rewrite the algorithms in JavaScript to allow for an easier port to an iOS application, be it, time permitting, by our team or by a future team after the project is completed.			
Expected Outcome: Rewrite the algorithms using a JavaScript package such as Tracking JS or JSFeat			

Task Title: Place images in AWS	**Task Initiation:** 1/23/2018	**Orig. Due Date:** 1/30/2018	**Status:** In Progress
Who (%): Kelli Ruddy			
Description: For long term scalability place images in service such as AWS using slingshot package. This will allow an admin user to view these images later on.			
Expected Outcome: User submitted images are able to be viewed and stored in AWS.			

Task Title: Calculate Distance	**Task Initiation:** 1/23/2018	**Orig. Due Date:** 1/30/2018	**Status:** In Progress
Who (%): Luis Arroyo			
Description: Being able to calculate the distance (in meters) from the user to every station marker.			
Expected Outcome: Calculate and print an accurate distance between the user and the station markers.			

Upcoming Tasks: Planning

Task Title: Design Doc Draft	**Who (%):** Whole Team	**Rough Due Date:** 2/8
Description: First draft of the Design Document		

Task Title: Create one submission page	**Who (%):** Kelli Ruddy	**Rough Due Date:** 2/6
Description: Create one submission page for user to be able to submit information and photo.		

Other Problems / Other Issues: None

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