# Weekly Team Task Report

**Report #21**

| **Team: Hydro Citizens** | **Date: 4/11/18** |
|---|---|
| **Project Title:** **Citizens science mobile app for hydrology reporting** | |

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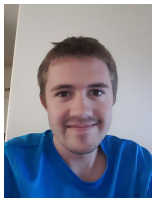
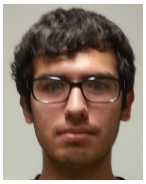
|---|---|---|---|---|---|---|---|
|  | **Logan Brewer**<br>Present<br>On-time |  | **Kelli Ruddy**<br>Present<br>On-time |  | **Luis Arroyo**<br>Present<br>On-time |  | **Ryan Ladwig**<br>Present<br>On-time |

## Recent Meetings:

4/6 - Team Meeting
4/10 - Team Meeting

## TASKS COMPLETED since last meeting:

| **Task Title:** User Accounts | **Task Initiation:** 3/26/18 | **Orig. Due Date:** 4/3/18 | **Status:** 75% |
|---|---|---|---|
| **Who (%):** Logan Brewer | | | |
| **Description:** A login window for users that will allow them to track their submitted data. | | | |
| **Expected Outcome:** Allow the user to login with a username and password and store their userID with submissions to track submissions for specific users. | | | |

| **Task Title:** Automatic Upload to HydroServer | **Task Initiation:** 3/26/18 | **Orig. Due Date:** 4/3/18 | **Status:** 75% |
|---|---|---|---|
| **Who (%):** Kelli Ruddy | | | |
| **Description:** Be able to download geolocation and water height from database to csv file and automatically upload to the HydroServer - automatic upload to HydroServer issues. Contacted CUAHSI to see if they have any API's to work with | | | |
| **Expected Outcome:** Show that database information for a day has been downloaded as a csv and uploaded to HydroServer automatically. | | | |

| **Task Title:** Automatic Upload to HydroServer | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** Complete |
|---|---|---|---|
| **Who (%):** Kelli Ruddy | | | |
| **Description:** Contacted CUAHSI to see if they have available API to automatically upload a csv file to HydroServer. | | | |
| **Expected Outcome:** Have an automatic upload of geolocation, water height and time and date. | | | |

| **Task Title:** User Accounts | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Logan Brewer | | | |
| **Description:** Create the users collection that will exist with our submitted_data collection. | | | |
| **Expected Outcome:** The automatically generated users collection as well as our submitted_data collection so we can store users and still maintain our submitted data. | | | |

| **Task Title:** Pull NWM data and plot against users points | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** 40% |
|---|---|---|---|
| **Who (%):** Logan Brewer and Kelli Ruddy | | | |
| **Description:** Pull NWM data to plot against user points on charts. | | | |
| **Expected Outcome:** Be able to plot data for a specific gauge that comes from NWM. | | | |

| **Task Title:** Offline Caching | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** 50% |
|---|---|---|---|
| **Who (%):** Luis Arroyo | | | |
| **Description:** Store the submitted data of the water gauge while the user is offline. | | | |
| **Expected Outcome:** Being able to store the user's data while the user is offline. | | | |

| **Task Title:** Adjust and refine OpenCV on mobile | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** Complete |
|---|---|---|---|
| **Who (%):** Ryan Ladwig | | | |
| **Description:** Refine the algorithms so that they are better able to detect the stripes on a PVC pole. | | | |
| **Expected Outcome:** Show the team that mobile application is able to consistently detect most, if not all, stripes on a striped PVC pole. | | | |

| **Task Title:** Complete Software Testing Plan Final Document | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/5/18 | **Status:** Complete |
|---|---|---|---|
| **Who (%):** Whole Team | | | |
| **Description:** Complete software testing plan document based off of mentors feedback on outline given at mentor meeting. | | | |
| **Expected Outcome:** Have a cohesive and well written software testing plan. | | | |

| **Task Title:** Set up a server to host the mobile application | **Task Initiation:** 4/6/18 | **Orig. Due Date:** 4/11/18 | **Status:** Complete |
|---|---|---|---|
| **Who (%):** Ryan Ladwig | | | |
| **Description:** Set up a server to host the Meteor application | | | |
| **Expected Outcome:** Show the team that we have an online server that is ready to accept a meteor application. | | | |

## This week's Tasks: Work plan for coming week

| **Task Title:** Practice for Design Review 3 | **Task Initiation:** 4/9/18 | **Orig. Due Date:** 4/11/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Whole Team | | | |
| **Description:** Complete your assigned sections of the Design Review presentation and be prepared to practice the presentation with the team | | | |
| **Expected Outcome:** Meet with the team at 4pm to practice the presentation | | | |

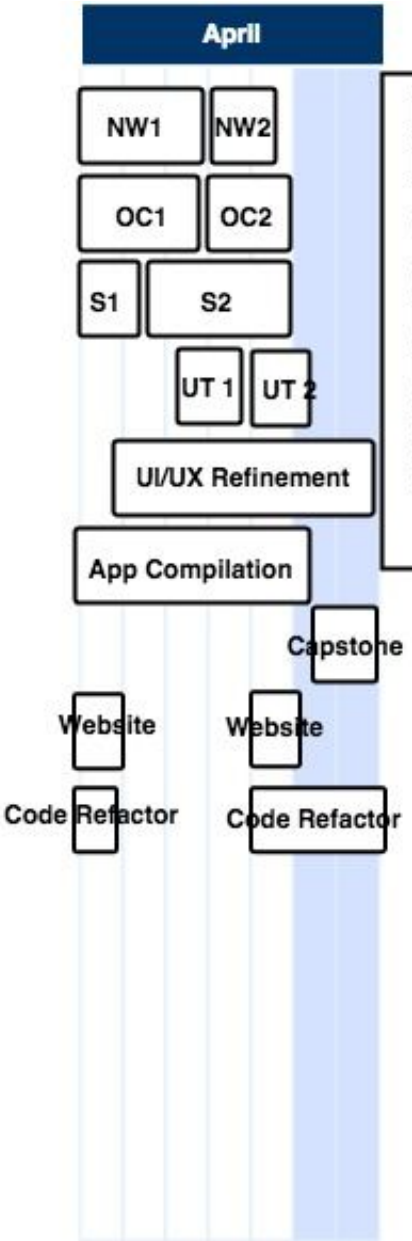
| **Task Title:** Offline Caching | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** 100% |
|---|---|---|---|
| **Who (%):** Luis Arroyo | | | |
| **Description:** Store the submitted data of the water gauge while the user is offline while hosting the server of our app. | | | |
| **Expected Outcome:** Being able to store the user's data while the user is offline. | | | |

| **Task Title:** Finish loading Meteor App onto server | **Task Initiation:** 4/11/18 | **Orig. Due Date:** 4/17/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Ryan Ladwig | | | |
| **Description:** Deploy our current meteor app to the server | | | |
| **Expected Outcome:** Show that the functionalities of the app function on the mobile server. | | | |

## Upcoming Tasks: Planning

| **Task Title:** Testing | **Who (%):** Whole Team | **Rough Due Date:** 4/12/18 |
|---|---|---|
| **Description:** Distribute and begin application testing | | |

## Other Problems / Other Issues: None




**NW1:** Pull data from the National Water Model.
**NW2:** Chart NWM data on the graph.
**OC1:** Caching user data submission on mobile.
**OC2:** Caching data from the NWM.
**UT1:**Software test plan and write lab manual.
**UT2:**Actual testing plan with participants.
**S1:**Set up server.
**S2:**Test user accounts and offline caching on server