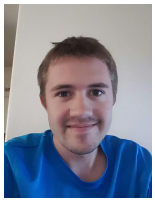
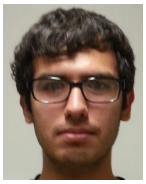
# Weekly Team Task Report

**Report #22**

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

4/20 - Team Meeting
4/23 - Client Demo Meeting

## TASKS COMPLETED since last meeting:

| **Task Title:** User Accounts | **Task Initiation:** 3/26/18 | **Orig. Due Date:** 4/3/18 | **Status:** Complete |
|---|---|---|---|
| **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. | | | |

| **Task Title:** User Accounts | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** Complete |
|---|---|---|---|
| **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:** 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:** Offline Caching | **Task Initiation:** 3/30/18 | **Orig. Due Date:** 4/10/18 | **Status:** 90% |
|---|---|---|---|
| **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:** Complete |
|---|---|---|---|
| **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. | | | |

| **Task Title:** Improve Accuracy of the Image Processing and compile the application | **Task Initiation:** 4/13/18 | **Orig. Due Date:** 4/17/18 | **Status:** Complete |
|---|---|---|---|

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| **Who (%):** Ryan Ladwig |
| **Description:** Improve Accuracy of the Image Processing and compile the application to present it to Dr. Ruddell. |
| **Expected Outcome:** Have a fully compile application to present to Dr. Ruddell. |

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

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|---|---|---|---|
| **Task Title:** Pull NWS flood and rainfall data to plot | **Task Initiation:** 4/17/18 | **Orig. Due Date:** 4/20/18 | **Status:** In progress |
| **Who (%):** Logan Brewer and Kelli Ruddy | | | |
| **Description:** Pull NWS flood and rainfall data for specific area and plot on chart | | | |
| **Expected Outcome:** Be able to plot data for a specific gauge that comes from NWS | | | |

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| **Task Title:** Create Unit Tests | **Task Initiation:** 4/17/18 | **Orig. Due Date:** 4/20/18 | **Status:** In progress |
| **Who (%):** Luis Arroyo | | | |
| **Description:** Create unit tests for our application using Mocha and Chai. | | | |
| **Expected Outcome:** Be able to have unit tests running and have clean modules. | | | |

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| **Task Title:** UGrads Poster | **Task Initiation:** 4/13/18 | **Orig. Due Date:** 4/20/18 | **Status:** In Progress |
| **Who (%):** Whole Team | | | |
| **Description:** Finish the UGrads poster to submit to the Physics department | | | |
| **Expected Outcome:** Finish edits to the poster by 10am and finalize the poster with the team by 2pm. Submit by 5pm. | | | |

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| **Task Title:** Automatic Upload to HydroServer | **Task Initiation:** 4/17/18 | **Orig. Due Date:** 4/24/18 | **Status:** In progress |
| **Who (%):** Kelli Ruddy and Logan Brewer | | | |
| **Description:** Received information 4/17 evening on scripts for updating the hydroserver directly. | | | |
| **Expected Outcome:** Work through information given in email | | | |

| **Task Title:** Modify App UI based off of client feedback | **Task Initiation:** 4/13/18 | **Orig. Due Date:** 4/20/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Whole Team | | | |
| **Description:** Use team meeting on Friday 4/20 to refactor app based off of Dr. Ruddell's feedback. More focused on functionalities and less on UI. | | | |
| **Expected Outcome:** Finish edits to the poster by 10am and finalize the poster with the team by 2pm. | | | |

| **Task Title:** Usability testing - phase 2 | **Task Initiation:** 4/13/18 | **Orig. Due Date:** 4/20/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Whole Team | | | |
| **Description:** Have end user participants(already chosen) use lab manual and walk through app on Thursday and Friday - 4/19,4/20. Make modifications to ensure ease on 4/20 after trials. Have second half of phase 2 participants use lab manual and walk through on 4/21. | | | |
| **Expected Outcome:** Have an easy to use interface for an end user. | | | |

| **Task Title:** Schedule new meeting with Dr. Ruddell | **Task Initiation:** 4/13/18 | **Orig. Due Date:** 4/24/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Whole Team | | | |
| **Description:** Ask Dr. Ruddell to meet on 4/24 to work through new changes applied to app. | | | |
| **Expected Outcome:** Have a meeting with Dr. Ruddell to ensure changes made are acceptable. | | | |

| **Task Title:** Refactor Image Processing based on client feedback | **Task Initiation:** 4/17/18 | **Orig. Due Date:** 4/24/18 | **Status:** In Progress |
|---|---|---|---|
| **Who (%):** Ryan Ladwig | | | |
| **Description:** Run algorithms directly on uploaded image; increase the size of the PVC pole; start image storage | | | |
| **Expected Outcome:** Demonstrate to the team that the adjustments have been made and report progress on image storage. | | | |

## Upcoming Tasks: Planning

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| **Task Title:** Prepare for UGRADS | **Who (%):** Whole Team | **Rough Due Date:** 4/12/18 |
| **Description:** Work on presentation for UGRADS symposium | | |

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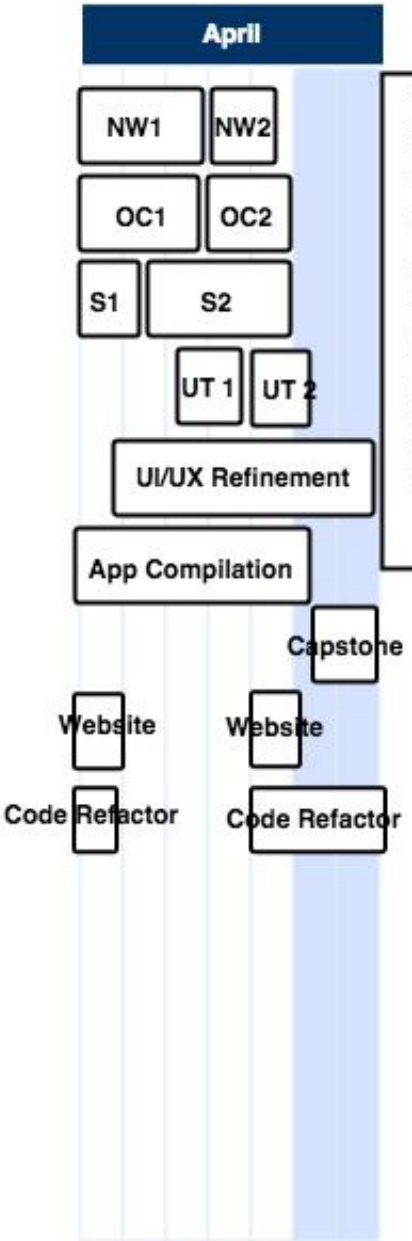
|---|---|---|
| **Task Title:** Completed Team Website | **Who (%):** Whole Team | **Rough Due Date:** 4/26/18 |
| **Description:** Work on website for UGRADS symposium | | |

## 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