Staff Gauge Final Design Presentation

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Programming Staff
Description of System

- Designed for measuring staff gauges in wetland and other serviceable areas.
- This application inputs either text or image onto the HydroDesktop server.
- Returns an aggregate graph of the data given the location.
Description of Users

User 1

Jack (Hydrologist Studying Water Levels)
Environmental Engineering PhD student doing research on water levels.
Jack has a thorough understanding of technology.
Capable of picking up and understanding new apps easily and effectively.
Low likelihood of making mistakes or getting confused when using an app.

User 2

Diane (Middle School Science teacher)
Science teacher currently doing a unit on water levels with her students.
Isn’t the most tech savvy person.
Longer time to learn less than simple apps.
High likelihood to make mistakes or get confused when using app.
Final Content and Design (Browser)
Final Content and Design (Tablet)
Final Content and Design (Smartphone)
Potential Usability Concerns

1. User confirmation issues when confirming a click. Since there is a slight delay in between the pressing and change on the device. A user might try to double click something and end up with a wrong input.
2. When activating the keyboard, the page is scaled to the visible viewing area (minus the keyboard), which might cause an unexpected input on older, slower devices.
3. Input validation when a user might put in invalid data.
Future UI Implementations

Graphing Capabilities

Visual Photo Preview

Miscellaneous Visual Transitions