

## Design Review Notes

### Upload To Website:

- Post-Design Review Notes.

### Possible Technology to use:

- LocalForage
- **IndexedDB**
- WorkJam
- Grails
- React

### Help Page

- For a Help Page, we should have a button that allows the user to view an example for some of the inputs that may be confusing of what data should be entered where.
  - We could try to do some usability testing to see if the application is easy to understand.
  - We could have a form set up with default values for when they begin a new form.
    - Default value examples:
      - Date.
      - Time.
    - These may not be applicable to our application as we intend the form to have a timestamp of when it was submitted.

### Review Lecture:

- Grails React App using Vite.
  - <https://cs4760.csl.mtu.edu/2024/lectures/grails-react-app-using-vite/>

### Implementation:

- We have the option of just implementing the front end and not the back end as we do not have much time in the semester to get too much done.
- We have the option of making a react application.
- We will be making the front end have reusability, so it can still have a readable format on other devices.

### **Implementation Priorities:**

- The main functionalities that we need to implement are:
  - Making observations.
  - Storing observations on the device that is using LocalForage.
  - List of observations on the device.
  - Download observations for email.

### **Notes**

- Be sure to deploy early.
  - We can use GitHub pages.
- The prototype did not look mobile-ready.
  - The mobile prototype looks busy and overwhelming.
  - We will have to come up with a more spaced-out design, possibly needing to add a scrolling functionality for a mobile view.

### **Questions Discussed:**

- Will the server be transferable?
  - Yes, it will be transferable using the Grails application.
- How can we make the web application work offline?
  - They have done this before on the field, leaving the website open so it is already loaded when they need to use it.
  - We discussed that there is a way to make this work so it can load while offline.