| **sdmay23-43: Con-sea-erge**Week 4 ReportOctober 14 - October 21**Team Members**Melanie Fuhrmann  *— Client interaction/ Frontend app dev*Nathan Paskach  *— Firmware design*Sarah Degen  *— Meeting note taking, circuit design*Adan Maher  *— Organization, Cyber Security*Brandon Mauss  *— Component Design*Isabella Leicht  *— Aquatic care, Cyber Security*Jack Croghan  *— Software Component Design* **Summary of Progress this Report**Over the past week, we have completed the next step in the design document, which is the design context and exploration. We have met and discussed with the university about possibly using the active directory for credentials. We got our parts ordered for the first prototype. Lastly, we have begun designing user interfaces to present to the client in the next meeting.**Pending Issues**We have the next section in the design document coming up and we need to meet with the client to discuss the user interfaces and each of the ideas that come with each of the sketches. **Plans for Upcoming Reporting Period**We do not have another meeting with the client until the week after next. However, we will be working on the next portion of the design document and once the pieces come in we will begin working on the first prototype.**Individual Contributions**

| **Team Member** | **Contribution** | **Weekly Hours** | **Total Hours** |
| --- | --- | --- | --- |
| Melanie Fuhrmann | helped with Design Context doc and worked on UI designs | 4 | 0 |
| Nathan Paskach | Helped with design context doc, finalized parts list | 3 |  |
| Sarah Degen | Helped with Design Context and exploration doc, expanded feeder design drawings | 3 | 0 |
| Adan Maher | Revised design context and exploration document, began listing attributes of NIST standard that may be applicable to app development | 2 | 0 |
| Brandon Mauss | Helped with Design Context doc and finalized parts list. Also began working on solidworks designs for possible parts. | 4 | 0 |
| Isabella Leicht | Worked with ITS to find next steps for implementing AD. Assisted team with design documentation. | 3 | 0 |
| Jack Croghan | Worked on UI designs and planning API routes between the backend and frontend. Helped with Design Context doc. | 4 | 0 |
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**Gitlab Activity Summary**

Nothing to report.