

EE/CprE 492

Bi-Weekly Report 2

"Cy"Sophus

Team Email: sddec20-04@iastate.edu

Team Website: <https://sddec20-04.sd.ece.iastate.edu>

8/31/20 - 9/14/20

Client and Advisor: Doug Jacobson

Team Members:

Samuel Christianson - Team Leader

Morgan Funk - Ux/UI Designer

Sean Gordon - Communications Leader

Daniel Laracuenta - Test Engineer

Aaron Lawrence - Meeting Scribe

William Maston - Ux/UI Designer (These have been swapped already)

Bi-Weekly Summary:

- Worked on getting the group GitHub set up
- Added and refined project requirements.
- PRIM presentation.
- Acquired table hardware (Raspberry pi and LED strip).

Pending Issues:

- 1) Work through the challenges presented by the pandemic lockdown.
- 2) Much of the UI is still not mocked.
- 3) The group Sisyphus table has a flickering/damaged LED.
- 4) Task organization through trello.
- 5) Swap broken LED strip in the Table.

Plans:

- 1) Meet with client
- 2) Create mockups for UI designs.
- 3) Create a program to convert cartesian coordinates to polar coordinates.
- 4) Test program developed by manufacturer of table? (tbd)
- 5) Raspberry pi setup with sisyphus code from git.
- 6) Update major elements on github, flesh out issue board
- 7) Create a function for cartesian files to polar files

- 8) Come up with more features to be implemented for this project
- 9) Create a Website for the project

Individual Hourly Contributions:

Team Member	Hours	Contributions/Notes
Morgan	3	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Worked on physical design mockups. • Worked on PRIM presentation
Aaron	3	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Acquired table hardware (Raspberry pi and LED strip) • Worked on PRIM presentation
Sean	4	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Worked on UI mockups. • Set up a GitHub org for the team. • Worked on PRIM presentation
Will	3	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Worked on PRIM presentation • Worked on Python Code
Deni	5	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Worked on python unit conversion script. • Worked on PRIM presentation
Sam	4	<ul style="list-style-type: none"> • Worked on bi-weekly report. • Worked on PRIM presentation • Creating a website