

sEE/CprE/SE 492 WEEKLY REPORT 4

02/27 - 03/12

Group number: sdmay26-27

Project title: MYSTEM Growth Survey Tool

Client & Advisor: Dr. Diane Rover

Team Members/Role:

Nina Gadelha: Cybersecurity Developer

Caleb Hemmestad: Frontend/Backend Developer

Ethan Buenting: Backend/Cloud Developer

Ethan Van Caster: Frontend Developer

Sam Craft: Backend Developer

Ryan Mamrot: Developer

○ **Weekly Summary**

- Continued working on the app
- Made progress on both frontend and backend features
- Worked on design document and final presentation drafts
- Started user testing and made changes based on feedback
- Improved parts of the UI and overall app structure

○ **Past week accomplishments**

● **Nina Gadelha**

- Completed new Draft for Design Doc
- Almost done with Draft for Final Presentation
- Integrated Password changes (stronger password policies)
- Began User Testing (basic; create account, login, etc)
- Continue integrating changes (edit account features)

● **Caleb Hemmestad**

- Started program view
- Integrated with backend
- Made changes to navbar with help tab
- Restructured the PC codebase
- Met with Yiqi for discussing ideas and likes/dislikes of current PC state
- Implemented simple changes based on feedback
- Updated the project website

● **Ethan Buenting**

- Updated Student Nav bar to only show homepage when within a program
- Working on adding a inter-program result comparison
- Working on alternative DNS source since AWS was shut down
- Working on saving progress on partial survey feature
- **Ethan Van Caster**
 - Worked on splitting up questions in the survey to be more consistent in number
 - Started working on updating how the survey saves data to implement a partial save
 - Finished graph changes to give score display option, will handle new floating point scores, updated graph export to display correctly and with scores
- **Sam Craft**
 - Finished updating survey to send data in proper format.
 - Updated graph to reflect the new data type.
 - Started writing the .SPSS data export format
- **Ryan Mamrot**
 - Finished implementing the frontend error usage, ensuring that errors are properly handled and displayed to users throughout the interface.
 - Started working on adding a global error boundary to the frontend, allowing the application to gracefully catch and manage unexpected runtime errors.
 - Began adding standardized frontend error responses, improving consistency in how errors are processed and communicated across different components of the application.
- **Pending issues**
 - No pending issues

○ Individual contributions

NAME	Individual Contributions	Hours (past 2 weeks)	HOURS cumulative
Nina Gadelha	<ul style="list-style-type: none"> ● Completed new Draft for Design Doc ● Almost done with Draft for Final Presentation ● Integrated Password changes ● Started User Testing ● Continue integrating changes 	13	34
Caleb Hemmestad	<ul style="list-style-type: none"> ● Started program view ● Help tab ● PC restructure ● Meeting with Yiqi ● Made changes with feedback ● Project website update 	13	41
Ethan Buenting	<ul style="list-style-type: none"> ● Updated Student Nav Bar ● Progress on results display ● Working on alternative DNS source ● Progress on partial survey saving 	8	38
Ethan Van Caster	<ul style="list-style-type: none"> ● Break up amount of questions per page to be consistent ● Concluded graph changes 	13	33
Sam Craft	<ul style="list-style-type: none"> ● Finished Updating Survey ● Changed Graph to reflect updated data ● Started new data export 	10	32
Ryan Mamrot	<ul style="list-style-type: none"> ● Completed frontend error handling ● Started global error boundary ● Began standardized error responses 	14	36

- **Plans for upcoming week**
 - **Nina Gadelha**
 - Complete Final Presentation Draft
 - Share/get feedback for presentation and design document draft(s)
 - Continue user testing
 - Continue integrating changes
 - **Caleb Hemmestad**
 - Finish program view
 - Finish tasks feature
 - Implement other ideas talked about during the meeting
 - Add changes for filling empty space
 - Add more pazzazz to the app
 - **Ethan Buenting**
 - Find alternative DNS hosting, either through DO itself or cloudflare
 - Finish partial survey feature
 - Finish inter-program results page for students
 - **Ethan Van Caster**
 - Update survey page to save when going to next page, inform user of the feature
 - Update protocol to allow survey to post null values
 - **Sam Craft**
 - Finish adding the correct data export format for the U of Iowa researchers
 - Do more extensive testing of survey with new data format.
 - Look at cleaning up database from test and unnecessary data
 - **Ryan Mamrot**
 - Finish adding a global error boundary to the frontend
 - Finish standardized error responses
 - Start looking into adding information to the Final Presentation and Final Deliverables
- **Summary of weekly advisor meeting**
 - We did not have our weekly meeting (canceled/approved by instructor).