

## *sEE/CprE/SE 491 WEEKLY REPORT 8*

*11/11 - 11/18*

*Group number: sdmay26-27*

*Project title: MYSTEM Growth Survey Tool*

*Client & Advisor: Dr. Diane Rover*

### *Team Members/Role:*

**Nina Gadelha:** Cybersecurity Developer/Pentesting

**Caleb Hemmestad:** Backend/Cloud

**Ethan Buenting:** Backend/Cloud

**Ethan Van Caster:** Developer/Client Contact

**Sam Craft:** Developer/Tester

**Ryan Mamrot:** Developer/Tester

### ○ **Weekly Summary**

- Our weekly meeting with Dr. Rover, as well as our correspondent with the University of Iowa Research team.
- Worked on refining roles within the application, clarifying desired features for each role
- Worked on features individually
- Cloud Transition (W.I.P)

### ○ **Past week accomplishments**

- **Nina Gadelha**
  - Completed delete user feature
  - Worked on demo video for “About” page
  - Created draft for panel presentation
  - (On local host) - designed different “menu” type (than nav bar)
  - Met with Dr. Rover and continued discussing “User Feature” document
- **Sam Craft**
  - Pulled current list of questions and compared to previous Qualtrics survey
  - Found score calculations for individual scores
  - Logged into current production database to understand how data is being stored
  - Fixed easy errors in production database
- **Caleb Hemmestad**
  - Added docs to the website

- Continued work on middleware
- Started research and ideas for cookies with tokens
- **Ryan Mamrot**
  - Continued working on updating the UI
  - Helped check that the survey tool matched the original survey
  - Helped verify that the survey result calculations were mapped correctly and calculated properly
- **Ethan Buenting**
  - Sent University of Iowa Researcher site examples for their review
  - Set up the buckets for the S3 object transfer
  - Uploaded database from Amazon Web Service to Digital Ocean
  - Started working on the DNS transfer so new web address will be available from DO and not accessed on Amazon Web Service
- **Ethan Van Caster**
  - Finished the last 2 mobile survey elements
  - Updated navigation taskbar to change to a button when in a small screen that pops up the navigation options

○ **Pending issues**

- No pending issues

○ **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Nina Gadelha	<ul style="list-style-type: none"> <li>● Completed “Delete User” feature (frontend and backend)</li> <li>● Worked on demo video for “About” page</li> <li>● Started on slideshow for panel presentation</li> <li>● Designed new menu (nav-bar alternative)</li> </ul>	6	45
Sam Craft	<ul style="list-style-type: none"> <li>● Pulled/Reviewed question list</li> <li>● Fixed small issues</li> <li>● Dug through database</li> </ul>	9	39

Caleb Hemmestad	<ul style="list-style-type: none"> <li>Continued work on middleware</li> <li>Started ideas for cookies and tokens</li> <li>Added to project website</li> </ul>	4	44
Ryan Mamrot	<ul style="list-style-type: none"> <li>Continued updating the UI</li> <li>Checked survey tool accuracy</li> <li>Verified result calculation mapping</li> </ul>	6	44
Ethan Buenting	<ul style="list-style-type: none"> <li>Sent over demo info for UoI researcher</li> <li>Transferred over DB from AWS to Digital Ocean</li> <li>Began the DNS transfer so link will be hosted on Digital Ocean</li> </ul>	5	40
Ethan Van Caster	<ul style="list-style-type: none"> <li>Completed survey elements for mobile screens</li> <li>Navigation task bar button</li> </ul>	7	39

○ **Plans for the upcoming week**

- Nina Gadelha
  - Continue work on panel presentation
  - Create draft demo video to present at next meeting (and get feedback from clients)
  - Start working on new feature (dummy student account for PC)
  - Gather feedback from meeting with Rover and make a check-list (for features), given her suggestions
- Sam Craft
  - Pull production database to localhost
  - Fix the larger errors in how the questions are stored
  - Reupload corrected database
  - Start working on research data query as requested by U of I research team
- Caleb Hemmestad
  - Update demo UI with recent feedback from meeting
  - Implement ideas for cookies with tokens
  - Get cookies and tokens working with database
  - Look into table structures for new features
- Ryan Mamrot
  - Continue improving overall UI responsiveness across different devices and screen sizes

- Validate complex survey calculations using varied test inputs and correct any inconsistencies
- Review the full survey layout, refine visual issues, and ensure consistency with the original design
- Ethan Buenting
  - Finish the DNS hosting transfer to DO DNS
  - Debug any issues with the transfer, ensure no usage of AWS is needed and prepare it for being shut down
  - Look at database adjustments and exportation functionality in the backend to best support features requested by the University of Iowa team for research
- Ethan Van Caster
  - Change design of PC mobile view to better reflect new desktop design

- **Summary of weekly advisor meeting**

This week, we met not only with our usual clients, but also with a researcher from the University of Iowa. We presented the Demo UI to them and received feedback and suggestions. We also discussed what we have been doing/will continue to work on before our next meeting, after break. After our regularly scheduled meeting, some team members stayed in order to continue going over the “User Features” document.