Kaiser Permanente Cybersecurity Project – Team Meeting Summary:

**Participants:** Danae O’Connor, Noah Warren, Debra Parcheta

**When:** 1:00pm to 2:00pm on 4/8/2024

**Where:** <https://ucdenver.zoom.us/j/9681646314> Meeting ID: 968 164 6314

**Summary:**

All team members were in attendance for the meeting. We started off the meeting by discussing the plan for the rest of the semester. We will be performing one final round of user testing this semester. The goal for this round of testing will be to show improvement in the product’s functionality from our first round of testing. In that first round, we identified two main points needing improvement. The first is that the page needs to be refreshed in order for the visualization to update correctly when a new query is made. The second is that the width of the cards did not fill the entire available space for their assigned tactic column, especially when the dataset contained lots of tactics. As of now, we are still working to resolve each of these issues, and thus we have not determined a starting date for testing. We did, however, determine that, based on our first round of testing, we need to allow at least a week for testers to complete testing. This means that the absolute latest we can begin testing to receive and interpret our results for our final presentation is April 22nd; however, we are aiming to complete it before then to give ourselves more time.

We also discussed the team’s progress since our last client meeting. Danae has been focusing on creating dynamic card widths based on the tactics in the data in order to match the widths of the tactic columns. She attempted to base the width of each card on the total allotted chart size by dividing the total width by the number of tactics; however, this produced many issues with formatting, specifically the text wrapping functionality for each card. Her solution was to instead set the cards to a fixed width, which is based on the number of tactics. For example, if there are between 0 and 5 tactics, the width of the cards will be 135 pixels, whereas if there are 5 to 10 tactics, the width of the cards will be 150 pixels. Noah has been working on debugging the refreshing issue. He thought the issue might be related to the node.js modules that are installed to load the visualization into the Splunk webpage. Unfortunately, after much research, nothing was found that would cause the visualization to cache previous data and not update. Another avenue he explored was reading the Splunk custom visualization API documentation to try to find the functionality responsible for getting the updated query data. It was found that a method called ‘formatData’ was responsible for getting the new data and passing it to the ‘updateView’ method that we have overridden to contain our visualization. The ‘formatData’ method cannot be called directly; instead, it must be called by calling another method, ‘invalidateFormatData’, which indicates that the data must be fetched again. Since the documentation was not clear on how to implement this, Noah went through trial and error to call the function in the other overridden methods (initialize, getInitialDataParams, and updateView) to see if it would force the visualization to update with the correct data. Unfortunately, this does not appear to have completely solved the issue. The visualization only updates with the correct data part of the time, and therefore this will still need to be worked on. Additionally, Noah worked on creating and beginning to fill out the README document for tech transfer with items like a description, references to other helpful websites, and basic product use guidelines.

Finally, we discussed items for each team member to work on in the future. Noah will continue to work on debugging the issue with the data not updating correctly. Danae will be working to fix a few remaining items regarding the updated card widths before transitioning to helping Noah with the data refreshing issue. Both team members will also be continuing to work on the necessary tech transfer items, such as the README and Getting Started documentation.

**Action Items:**

Debra – No actions are needed at this time.

Danae – Start working on the Getting Started document for tech transfer as well as fixing any remaining issues with the card widths. Once complete, help Noah with debugging the data refreshing issue (Due 4/15).

Noah – Continue to work on debugging the issue with data refreshing as well as adding any additional information needed for the README document (Due 4/15).