OMS CS6440: Introduction to Health Informatics

Sprint #5 - Status Check In #3

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1 PROJECT TOPIC - SLEEP PATTERN ANALYSIS APP (SPAA)

1.1 Accomplishments

Overall the project has been running on time and I was able to achieve everything I had planned out as per the Practicum Sprint #2 - Project Planning document. Here are the details week wise:

Week #	Accomplishments for the week
Week 13 1st Apr - 7th Apr	• Spent time exploring and learning React graph libraries. Tried a few but some of them did not have the customization I was looking for. • Finally settled on using the 'recharts' library. Most of the time was spent experimenting with the data and graphs. • Spent some more time modifying the data processing functions as we needed the data in a particular format to give as input for the graphs. • Also added the sample data button which is supposed to pick up some sample data to show to the user (currently under progress) (extra feature) • A lot of visual changes + CSS (like choosing color schemes, graph layout, etc.)
Week 14 8st Apr - 14th Apr	• Export as a FHIR importable resource (export button feature). • Show/Hide processed JSON data button. • Updating graph visuals (using more complex graphs). • Fixed/Updated some calculations (avg sleep debt, sleep phase percentage, etc.). • GitHub Pages deployment maintenance and

| | checks for final deployment. |
| | • Preparation for the next sprint - started work on documentation. |

1.2 Challenges

I faced no major blockers for this sprint and I anticipate no major challenges for the final sprint.

The project is currently deployed at -

https://github.gatech.edu/pages/vunadkat6/sleep-pattern-analysis/

1.3 Sprint Plans - Project Timeline

As mentioned above, there are no changes to the project scope or timeline.

Sprint	Week	Start Date	End Date	Tasks
6	15	15th Apr	21st Apr	Code Cleanup + Testing + Documentation + Final Submission