

Calen Cyr
COS 420 Childhood Immunizations
Iteration 4 Report
April 12th, 2020

Description of work by each team:

Team 1: Marie Hartung, Alexander Millet

The assigned use case for this team was to create and implement the Monthly Report, which would generate the number of vaccines used in a month. The pair focused on building the functionality and Swing UI design of the Monthly Report.

Team 2: John Hofacker, Shaikh Fazil

The assigned use case for this team was to transition the text-based UI to the Swing GUI, allowing patients to be searched and have their vaccines added to their record through the use of a GUI. This pair focused on building the UI and moving over the functionality to the Swing UI.

Significant accomplishments:

The significant accomplishments of this iteration was fully transitioning and implementing the functionality to the Swing UI, where the design from the last iteration was used to build the Swing UI. This functionality works with both the new and returning patients. The Monthly Report Generation was built and designed, and has around 90% of its functionality and design built.

Time Estimates:

Use Cases Issues Individually	Estimated Time	Actual Time	Completeness
Implement Swing UI	15 Hours	13 Hours	100%
Monthly Return Generation	15 Hours	14 Hours	90%

Risk Assessment:

- **Implementing the full Swing UI** - Making sure bugs were removed and the design was working for the full implementation, and Team 2 making sure they remembered how to use Swing or had to learn it quickly and demonstrate their understanding in a quick fashion.
- **Monthly Report Swing UI skipping text UI** - The Monthly Report skipped having a text based UI, as Team 1 decided it was unnecessary for them to build a UI and have to build a different UI afterward, especially since Team 2 was implementing the design of the UI from the last iteration.

- **Coronavirus** - The group leader got the Coronavirus from the start of the iteration, and had the virus until around the end of the iteration. This prevented the group leader from interacting as much as a group leader normally would, but both teams were able to work together effectively when the group leader wasn't able to, and got the work done.

Short Term Plan:

Finish the remaining display of the Monthly Returns - The Monthly Returns needs a few functionality and design additions in order to complete the Monthly Returns.

Long Term Plan:

Integrate the application with the cloud to use a database - Using the tutorials provided to move the application to the cloud for database and/or design, whichever the group decides next iteration to accomplish.

Significant Issues:

Input validation and other small bugs remain in the functionality of the program. While the Swing UI does work with what we have implemented, there still are bugs in the program that need to be fixed in order to work properly.