Alexander Millett
COS 420 Childhood Immunizations
Iteration 3 Report
March 29th, 2020

Description of work by each team:

Team 1: Calen Cyr, Fazil Shaikh

The assigned use case for this team was to incorporate a common patient UI, create a Swing UI design, and add unit testing. This pair focused on the user interface integration and validation of complex classes.

Team 2: John Hofacker, Marie Hartung

The assigned use case for this team was to generate monthly reports, make a vaccination class, and refactor code. This pair focused on refactoring code by keeping our design solid and trying to not violate the object oriented design principles.

Significant accomplishments:

The significant accomplishments of this iteration was merging the Consulting Registry's patient user interface into our project, refactoring classes, making a basic monthly report, adding a vaccination class, adding a Swing user interface diagram, and creating working unit tests. The Consulting Registry's Patient user interface was needed in the last iteration and was part of the short term plan for iteration 2.

Significant issues:

The significant issues of this iteration, based on the initial use cases, were incorporating the common patient user interface for team one, adding a basic Swing user interface for team two and a shared use case, and adding unit tests as a shared team task because of its risk. The issues changed over the iteration resulting in six issues broken up into two use cases for each team.

Team 1

- Incorporate common patient UI, create Swing UI design, and add unit testing.

Team 2

- Generate monthly reports, make vaccination class, and refactor code.

Risk assessment:

Posed risks from this iteration include creating a Swing UI, adding unit tests, lack of data validation and error checking, Coronavirus and other illnesses, outputting the monthly returns form. The risk of Swing, unit tests, and monthly returns made them a priority for this iteration.

Short Term Plan:

The short term plan for the next iterations is to implement the Swing UI, do more extensive refactoring, identify design patterns, and wrap up code.

Long Term Plan:

The long term plan is to integrate the application with the cloud to use as a database.

Time estimates:

Use Case Issues Individually	**Estimated Time**	**Actual Time**	**Completeness**
Incorporate Consulting Register Patient UI	3 hours	1 hour	100%
Incorporate Swing UI	5 hours	3 hours	100%
Make Vaccinations Class	3 hours	1 hour	100%
Refactor Code	5 hours	5 hours	100%
Make Basic Monthly Report	5 hours	3 hours	100%
Add Unit Tests	5 hours	3 hours	100%