**CSC 450: Sprint Retrospective**

**Project Title: Leaf Disk Pathogen Analyzer**

**Sprint Number: 3 Sprint End Date: March 17th, 2019**

**Name of Scrum Master: Kyle Sargent**

1. **Initial estimation of User-story, Tasks, and Hours:** 
   1. **Our initial estimation for this sprint was to complete the remaining tasks form User Story 001 that we didn’t complete in Sprint 2 as well as the testing and documentation tasks for this user story. We also looked to complete all of User Story 005 and begin working five tasks from User Story 004. Altogether, we expected to complete two User Stories and begin working on a third totaling to 32 estimated hours of work over 24 tasks.**
2. **Actual completed in this sprint (User-story, Tasks, and Hours):**
   1. **For this sprint, we completed the two tasks of US001 that we didn’t complete in Sprint 2 as well as the testing and documentation tasks for User Story 001. We also completed all the tasks for User Story 005 and started working on 5 tasks from User Story 004. Together, we’ve completed 22 estimated hours of work from 19 tasks with 10 estimated hours of work in progress.**
3. **Estimation for next Sprint (User-story, Tasks, and Hours):**
   1. **For our next sprint, we look to complete all tasks from User Story 004 as well as begin to implement functionalities for User Story 002 into our software as well.**
   2. **Together we expect to complete 1 User Story containing 9 tasks and begin working on the first four tasks from User Story 002. These 13 tasks have an estimated total of 24 working hours.**
4. **What worked well in this Sprint?**
   1. **We had better communication regarding our tasks and whether we needed help completing them. Overall communication was key, and we hope to keep it up for our further sprints and show further progress. We also had people volunteer to take over tasks based on specific circumstances that may have impeded their ability to work on whatever task they had assigned.**
5. **What did not work well in this Sprint?**
   1. **The sprint began during midterm week, so a good majority of our time for the first week was spent making sure we passed or did well enough on all our midterms. Also, communication regarding whether Spring Break was down time for the group was not communicated throughout to all the members before the sprint had started.**

***Individual team member contributions:***

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|  | **Team Member Name** | **Specific contributions during this sprint** | **Level of contribution during this Sprint (on a scale of 0-100% for each member)** |
| **1** | Emily Box | Assigned Tasks for This Sprint:   1. US005-T3    1. Description: Create a label for “date” showing proper formatting (using ‘-‘ instead of ‘/’)    2. Estimated hours: .5    3. Actual hours worked: 1    4. Completed: Yes 2. US005-T11    1. Description: Implement a field to accept whether a user wants to use an existing spreadsheet document or create a new one, returning a Boolean.    2. Estimated Hours: 1    3. Actual hours worked: 2    4. Completed: Yes 3. US004-T3:    1. Description: Implement a method to get the input date from the GUI and add it to a column in the spreadsheet    2. Estimated hours: 2    3. Actual hours worked: 3    4. Completed: No   Estimated hours: 3.5 hours (total)  Actual hours worked: 6 hours (total) | 100% |
| **2** | Connor Jansen | Assigned Tasks for This Sprint:   1. US005-T2    1. Description: Implement Software to launch from an executable    2. Estimated Hours: 3    3. Actual hours worked: 6    4. Completed: Yes 2. US004-T5    1. Description: Implement method to get input picture number(s) from the GUI, and add it to a row in the spreadsheet    2. Estimated hours: 2    3. Actual Hours worked: 3    4. Completed: No   Estimated hours: 5 hours (total)  Actual hours worked: 9 hours (total) | 100% |
| **3** | Erica Gitlin | Assigned Tasks for This Sprint:   1. US005-T5    1. Description: Create a label for the “number of trays”    2. Estimated hours: .5    3. Actual hours worked: .5    4. Completed: Yes 2. US005-T6    1. Description: Create an input field for the “number of trays”    2. Estimated hours: 1    3. Actual hours worked: .5    4. Completed: Yes 3. US004-T2    1. Description: Implement a method to open an existing spreadsheet    2. Estimated hours: 2    3. Actual hours worked: 3    4. Completed: No   Estimated hours: 3.5 hours (total)  Actual hours worked: 4 hours (total) | 100% |
| **4** | Alex Wilson | Assigned Tasks for This Sprint:   1. US001-T7    1. Description: Determine total surface area of mildew in pixels    2. Estimated hours: 2    3. Actual hours worked: 4    4. Completed: Yes 2. US004-T1    1. Description: Implement a method to open a new spreadsheet    2. Estimated hours: 2    3. Actual hours worked: 2    4. Completed: No   Estimated hours: 4 hours (total)  Actual hours worked: 6 hours (total) | 100% |
| **5** | Colton Eddy | Assigned Tasks for This Sprint:   1. US005-T4    1. Description: Create an entry field for the date and implement a method to retrieve the date and print it in the form: "mm-dd-yy".    2. Estimated hours: 1    3. Actual hours worked: 2    4. Completed: Yes 2. US004-T4    1. Description: Implement a method to get the tray numbers from the GUI and add it to a sheet in the spreadsheet.    2. Estimated hours: 2    3. Actual hours worked: 3    4. Completed: No   Estimated hours: 4 hours (total)  Actual hours worked: 5 hours (total) | 100% |
| **6** | Kyle Sargent | Assigned Tasks for This Sprint:   1. US001-T08    1. Description: Calculate the ratio of mildew to leaf    2. Estimated hours: 1    3. Actual hours worked: 1    4. Completed: Yes 2. US001-T09    1. Description: Documentation of implementations of tasks above    2. Estimated hours: 1    3. Actual hours worked: 1    4. Completed: Yes 3. US001-T10    1. Description: Testing of implementations of tasks above    2. Estimated hours: 3    3. Actual hours worked: 3    4. Completed: Yes 4. US005-T7:    1. Description: Create a label for the “picture numbers”    2. Estimated hours: .5    3. Actual hours worked: .5    4. Completed: Yes 5. US005-T8:    1. Description: Create an input field for the “picture numbers”. Collect type-String    2. Estimated hours: .5    3. Actual hours worked: .5    4. Completed: Yes 6. US005-T9:    1. Description: Support use of "-" operator for both "picture numbers" and "number of trays" input fields. This is used to select a range of values. Operator format looks like "x-y" where: y > x and both "x" and "y" are integers. Should select all integers in the given range (inclusive).    2. Estimated hours: 1    3. Actual hours worked: 2    4. Completed: Yes 7. US005-T10:    1. Support use of "," operator for both "picture numbers" and "number of trays" input fields. This is used to select a list of values. Operator format looks like "x,y" where: y > x and both "x" and "y" are integers. Should select both integers "x" and "y".    2. Estimated hours: 1    3. Actual hours worked: 2    4. Completed: Yes 8. US005-T12:    1. Description: Determine that inputs are valid and return an error message if they are not, displaying correct formats.    2. Estimated hours: 1    3. Actual hours worked: 1    4. Completed: Yes 9. US005-T13    1. Description: implement software to display a warning message if the tray numbers \* picture numbers exceed 8.    2. Estimated hours: 1    3. Actual hours worked: .5    4. Completed: Yes 10. US005-T14     1. Description: Create a pressable button, labeled “Analyze” that will send collected and verified information to the system for analysis.     2. Estimated hours: 1     3. Actual hours worked: 3     4. Completed: Yes 11. US005-T15     1. Description: Testing of above tasks and implementations     2. Estimated hours: 1     3. Actual hours worked: 1     4. Completed: Yes 12. US005-T16:     1. Description: Documentation of above tasks and implementations     2. Estimated hours: 1     3. Actual hours worked: .5     4. Completed: Yes   Estimated hours: 13 hours (total)  Actual hours worked: 16 hours (total) | 100% |