

System and Unit Test Report

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March 8 2021

System Test Scenarios:

- Sprint 1
 - User Story 1: As a user, I want to be able to upload my genetic data so that it can be processed.
 - User Story 2: As a user, I want to be able to view information associated with my genetic data.

Scenario:

1. Sprint 1 was largely dedicated to learning, and floundering once we had group members leave the class.
2. Because of this, there is no systems test scenario for this sprint.

- Sprint 2
 - User Story 1: As a user, I want to store my genetic information so that it may be reprocessed later as new information becomes available
 - User Story 2: As a user, I want to be able to interact with the application via an easy-to-use interface so that I can understand my results

Scenario:

1. Start GeneSearcher app, select 'upload data'
 - File Dialog opens up to choose data
 - User navigates to genetic data file
 - Click 'open' or press 'Enter'
 - The name of your file will appear next to the upload button.
2. Press 'begin search'.
3. Users should see the results text area filled in with results.

- Sprint 3
 - User Story 1: As a user I want to be able to view the weight of evidence leading to certain risks associated with my data.
 - User Story 2: As a user I want to be able to search my report for key points of interest.

Scenario:

1. Start GeneSearcher app, select 'upload data'
 - File Dialog opens up to choose data
 - User navigates to genetic data file

- Click 'open' or press 'Enter'
 - The name of the User's file will appear next to the upload button
- 2. Press 'begin search'
- 3. Users should see the results text area filled in with results and weights of evidence.
 - The user may type something into the search bar, for example 'aneurysm'.
 - Upon typing 'aneurysm' and pressing 'Enter' or the 'Find' button, the results text box will highlight all instances of this word and automatically scroll down to the first appearing instance.
 - The user can press 'Enter' or 'Find' any number of times to jump to next instances of the words, looping back to the first upon reaching the last word.
- Sprint 4
 - User Story 1: As a user, I would like to be able to easily download and access this product.
 - User Story 2: As a user I would like to be export reports to .csv or .json files for processing with other applications

Scenario:

1. **** WINDOWS ONLY ****
 - Run the application 'GS_Windows_Installer'
 - Select a location to download the files to.
 - Once downloaded, you may run the GeneSearcher application through the executable called 'GeneSearcher', or create a shortcut to it to be located on the desktop.
2. **** If not Windows, follow previous scenario steps ****
3. At this point, the application is open and the user has their data uploaded and searched.
 - Press the 'Export' Button.
 - Notice that a .csv file named 'report.csv' has been created in the main directory of GeneSearcher
 - This is filled with all the users results, editable and storeable through excel or any related software.