

CSE 115A

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Sprint 3 Plan

GeneSearcher

Expected Release: 09 03 2021

Goals

- Integrate GUI and backend processing. Fill Firebase with data and implement cloud functions. Clean up data collection to remove junk data.

Task Listing by User Stories

1. **As a user I want to be able to view the weight of evidence leading to certain risks associated with my data.**

- 1.1. Scrape weight of evidence data from opensnp or implement function to recalculate from data returned via API (3 hours)
- 1.2. Create unit tests for data scraping (2 hours)

Total for User Story 1: 5 hours

2. **As a user I want to be able to search my report for key points of interest.**

- 2.1. Add search ability to GUI (2 hours)
- 2.2. Add scroll ability to GUI text display (2 hours)
- 2.3. Create unit tests for GUI (2 hours)

Total for User Story 2: 6 hours

3. **Other Tasks**

- 3.1. Store data in firebase (.5 hours)
- 3.2. Filter out junk data in dataset (.5 hours)
- 3.3. Capture all snp data from opensnp (2 hours)
- 3.4. Fix complement function to handle haploid and diploid genomes and handle other identifiers, like I and D. (1 hour)

Total for User Story 3: 4 hours

Team Roles

Valeska Victoria - Developer

Anthony Sagely - Developer (Scrum Master)
Charles Knight - Developer
Konstantin Sarychev - Developer

Initial Task Assignment

Valeska Victoria - 3.1, 3.4
Anthony Sagely - 2.1, 2.2
Charles Knight - 1.1, 3.2, 3.3
Konstantin Sarychev - 1.2, 2.3

Project Files

- [Trello - Scrum Tasks Planning](#)
- [GitHub - Project Repository](#)
- [genesearcher-cse115a Firebase Project](#)