

Committed Backlog Items

As a user, I want to get the correct results for election, so that the program should run smoothly and without bugs.
Acceptance Criteria: 1. All the test cases in project 1 pass.
Effort: Small

As a user, I want to use graphic interfaces to search for a csv file instead of inputing the full path of it to upload, so that I do not have to use terminal or command line to upload files.
Acceptance Criteria: 1. System has the option to search csv files. 2. User could use a graphic interface to search files. 3. User could select the target file through the graphic interface. 4. Generate success or failure message after finishing this process.
Effort: Large

As an election official, I want to name the audit file and choose places to store the file like desktop through graphic interfaces, so that I could have more freedom to generate and name files, which could save time.
Acceptance Criteria: 1. User could rename and save audit files to computer through graphic interfaces. 2. Generate success or failure message after finishing the process.
Effort: Medium

As an election official, I want to see a shorter audit file instead of a detailed one, so that I can view the results shortly and quickly.
Acceptance Criteria: 1. System has the option to generate a simplified version of audit files. 2. The simplified audit files include file creation dates, types of election, candidates and their parties, number of seats and winners of the election. 3. Generate success or failure message after finishing this process
Effort: Small

As a user, I want to generate a summary of every election condition, which includes information about seats, parties, candidates and ballots, so that I can get the election conditions before getting final results.
Acceptance Criteria: 1. System has the option to generate a quick overview file. 2. The quick overview file includes correct seats, parties, candidates and ballot number of this election. 3. Generate success or failure message after finishing this process.
Effort: Medium

As an election official, I want to manually input the election information such as the type of voting, the number of ballots, the number of seats and then have the ballots input on the screen through GUI.
Acceptance Criteria: 1. System has the option to enter the type of voting and other information required for the election. 2. System has the option to have user click the candidate to vote. 3. User could store the election information and the ballots to a CSV file. 4. Generate success or failure message after finishing this process.
Effort: Large

As an election official, I hope the program could handle more ballots information in a relatively higher rate.
Acceptance Criteria: 1. The system could handle at least 500,000 ballots at a time. 2. Each ranking process should not take more than 5 minutes. 3. Generate success or failure message after finishing this process.
Effort: Large

Not Started

Generate success/failure message

Generate tests

Generate success/failure message

Generate tests

Rename audit file

Generate failure message

Get shorter audit file option

Audit file include candidates and their parties

Summary generation test

Summary generation

Generate success/failure message

Store information into .csv file

GUI to start election

Runtime test

Generate success/failure message

Create multiple files with more than 500,000 ballots to test

Not Started

Use java swing package to bulid pop-up window

Exit the window while programming is continuing runing.

Audit file include winner of the selection

Audit file include number of seats

Buffer storing general information

Generate success/failure message

GUI for election official to input information

Click the candidates to vote

Set time for when the election ends

Limited-size Ballots Handling

In Progress

Use java swing package to bulid pop-up window

Have scrolling menu

Search CSV file

Build menus and buttons inside of window

Exit the window while programming is continuing runing.

Completed

Code Implementation

Sorting Algorithm Design

Problem Analyses

Bug Fix