

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 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 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 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 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

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

Not Started

Get shorter audit file option

Generate failure message

Audit file include creation file date

Generate success/failure message

Rename audit file

Save audit file

Generate success/failure message

Summary file generation

Runtime test

Generate success/failure message

Build graphic interface

Generate success/failure message

Search CSV file

In Progress

Yangjiawen: boundary tests
Hanzhang: Bug Fix

Completed

Code Implementation

Problem Analyses

Sorting Algorithm Design

Audit file include candidates and their parties

Audit file include number of seats

Audit file include winner of the selection

Generate success message

Audit file generation

Buffer storing general information

Limited-size Ballots Handling