

ID: 001 BUGFIX: Takes in .csv files
Description: As an election official, I want the voting system to be able to take in an.csv files so I don't have to manually type information in.
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • I can input a .csv file into the system and the result is fair, unbiased, and correct. • I can use this file to automate the ballots and not have to manually enter them.
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system can take in a .csv file and applies the information correctly. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Small - 1-2 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 002 BUGFIX: Tie breaker
Description: As an election official, I want a tiebreaker for CPL that works so that we can hold fair and honest elections.
Acceptance Criteria: <ul style="list-style-type: none"> • Correctly pick out the right winner when multiple candidates who have the same amount of votes
Definition of Done: <ul style="list-style-type: none"> • All election types are able to produce the correct winners, with tiebreakers functioning as necessary. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored as needed to support the fixed tiebreaker
Effort: Large 4-6 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 003 CPL Multiple Files
Description: As an election official, I want the voting system to be able to also accept multiple CPL files and produce the correct result corresponding with those files
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • • • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 004 OPL Multiple Files
Description: As an election official, I want the voting system to be able to also accept OPL files and produce the correct result corresponding with those files
Acceptance Criteria: <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system should be able to take in multiple .csv files and parse the information out of all of them. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 005 MPO Files in General
Description: As an election official, I want the voting system to be able to also accept an MPO file and produce the correct result corresponding with that file
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system should be able to take in a .csv file for an MPO election and parse the information correctly • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 006 Multiple MPO Files
Description: As an election official, I want the voting system to be able to also accept multiple MPO files and produce the correct result corresponding with those files
Acceptance Criteria: <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system should be able to take in multiple .csv files of the MPO type and correctly produce the output for the combined files. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 007 MPO Election
Description: As an election official, I want the voting system to be able to also handle MPO election types
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the correct winners.
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • MPO file is able to produce the correct winners, with tiebreakers functioning as necessary. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 008 MV Files in general
Description: As an election official, I want the voting system to be able to also accept one MV file and produce the correct result corresponding with those files
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system should be able to take in a .csv file for an MV election and parse the information correctly • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 009 MV Multiple Files
Description: As an election official, I want the voting system to be able to also accept multiple MV files and produce the correct result corresponding with those files
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the corresponding winners for all files submitted
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • The system should be able to take in multiple .csv files of the MV type and correctly produce the output for the combined files. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 010 MV Election
Description: As an election official, I want the voting system to be able to also handle MV election types
Acceptance Criteria: (how the election official would talk) <ul style="list-style-type: none"> • The result is fair and unbiased. • The system produces the correct winners.
Definition of Done: (how the team would talk) <ul style="list-style-type: none"> • MV files are able to produce the correct winners, with tiebreakers functioning as necessary. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 011 MPO stats to screen
Description: As an election official, I want a detailed result display of the MPO election, including a breakdown of votes by party and the data to present the outcome.
Acceptance Criteria: <ul style="list-style-type: none"> • I can see the unbiased and fair election results on the screen. • There is a clear presentation of the quota, winners and data
Definition of Done: <ul style="list-style-type: none"> • GUI displays results accurately • MPO election types produce the correct winners, with tiebreakers functioning as necessary. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

ID: 012 MV stats to screen
Description: As an election official, I want a detailed result display of the MPO election, including a breakdown of votes by party and the data to present the outcome.
Acceptance Criteria: <ul style="list-style-type: none"> • I can see the unbiased and fair election results on the screen. • There is a clear presentation of the quota, winners and data
Definition of Done: <ul style="list-style-type: none"> • GUI displays results accurately • MV election types produce the correct winners, with tiebreakers functioning as necessary. • Unit, system, and integration tests pass • Documentation is written on the new classes and functions • Code base is refactored according to the new voting type.
Effort: Medium 2-4 hours
PBI Authors: Bao Ha, Michael Diep, Riandy Setiadi , Vivian Tsang

