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| PBI #1 |
| As an election official,  I need to be able to run a popularity-only election  because the Secretary of State has determined that it is a valid election type for the state. |
| Acceptance Criteria:   1. Given a popularity-only CSV file, audit and report files are produced. 2. The audit file contains the date and time, election type, number of candidates, candidates, number of ballots, ballots, percentages of votes per each candidate, and winner. 3. The report file contains the date and time, election type, number of candidates, candidates, number of ballots, percentages of votes per each candidate, and winner. 4. If there are multiple candidates with the highest number of votes, then a candidate must be randomly chosen from those candidates. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Large |
| PBI Author(s): Nikunj Chawla |

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| PBI #2 |
| As an election official,  I need to be able to bring in the ballots for a popularity-only election  so that a winner can be determined for the popularity-only election type. |
| Acceptance Criteria:   1. CompuVote inputs files that are formatted as specified for the popularity-only election. 2. CompuVote properly parses files that are formatted as specified for the popularity-only election. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Small |
| PBI Author(s): Nikunj Chawla |

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| PBI #3 |
| As an election official,  I want to be able to see the statistics about the popularity-only election  so that constituents can know how well candidates did in the election. |
| Acceptance Criteria:   1. The candidates and the percentages of votes they each received should be displayed for the popularity-only election, preferably in a table format. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Small |
| PBI Author(s): Nikunj Chawla |

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| PBI #4 |
| As an election official,  I would like to bring in ballots from multiple balloting locations locations to run the election  so that all ballots for an election are processed together. |
| Acceptance Criteria:   1. CompuVote is able to accept multiple files as input. 2. CompuVote is able to parse all the files as one election, only using one of the file’s non-ballot information. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Extra Large |
| PBI Author(s): Aaron Kandikatla, Nikunj Chawla |

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| PBI #5 |
| As an election official,  I want to be able to use a graphics-based method for importing files instead of a text prompt  so it is more intuitive for users less familiar with the CLI. |
| Acceptance Criteria:   1. CompuVote allows users to look at file(s) on the disk using their mouse or arrow keys through a GUI. 2. The GUI allows users to select and unselect files. 3. The GUI displays the files in a list in the order chosen by the user. 4. The GUI allows the user to remove and add files until they are satisfied with their choice in file selection. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Extra Large |
| PBI Author(s): Aaron Kandikatla |

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| PBI #6 |
| As an election official,  I want the IR election system to invalidate ballots that do not rank at least half of the candidates  so that the requirement by state election officials is met. |
| Acceptance Criteria:   1. CompuVote removes all ballots that do not rank at least half of the candidates in an instant-runoff voting system. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Medium |
| PBI Author(s): Aaron Kandikatla |

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| PBI #7 |
| As an election official,  I want to be able to see the ballots that were invalidated for the IR election system  so that they can be reviewed for auditing purposes. |
| Acceptance Criteria:   1. Each ballot that has been invalidated in the IR election system will be printed to a file with the name of “invalidated\_dateofelection.txt” without quotes. 2. The ballot information printed will include the ballot number and ranked candidates in order of ranking. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Medium |
| PBI Author(s): Jack Fornaro |

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| PBI #8 |
| As an election official,  I would like to see the distribution of votes and the change in vote numbers after each round for the IR election system  so that I can see how the election generally progressed. |
| Acceptance Criteria:   1. CompuVote prints the distribution of votes and change in vote numbers after each round into a table. 2. The table is printed to the report file and to the summary on the screen. 3. The summary and report file correctly displays the distribution of votes and change in vote numbers. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Medium |
| PBI Author(s): Jack Fornaro |

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| PBI #9 |
| As an election official,  I would like to have a short, printable report that briefly describes pertinent information about the election  so that it can be provided to election certification officials. |
| Acceptance Criteria:   1. CompuVote outputs a report file. 2. The date of the election is printed to the report file. 3. The type of election is printed to the report file. 4. The candidates and their parties are printed to the report file. 5. The number of seats is printed to the report file if applicable. 6. The winner of the election is printed to the report file. |
| Definition of Done:   1. All acceptance criteria are met. 2. All acceptance tests that can be automated are automated. 3. All acceptance tests are met. 4. Test logs have been created for all related tests. 5. Documentation has been created for all related components. 6. The feature is able to be demoed. 7. The changes have been accepted. |
| Effort: Small |
| PBI Author(s): Jack Fornaro |