

Team 18


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To capture all of our sprint backlog, this document will have the user stories and then the tasks.

Note: The stories screenshots below are only here to show which tasks are associated with them. The actual progress for our tasks is at the bottom of the document.

## Pass in multiple files

 Attach

 Add a child issue

 Link issue



### Description

As a voting official

I want to be able to pass in multiple election files

So that I can use different files from different polling/balloting locations for an election

### Linked issues




is blocked by


☒ **SP-7** Write Code to Bring multiple files into system   **IN PROGRESS** 


☒ **SP-25** Write documentation and comments for bringing in multiple files, parsing   **TO DO** 


☒ **SP-27** Test PO election works correctly with multiple files   **TO DO** 

## Parse Multiple IR headers

 Attach

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 Link issue



### Description

As a voting official




I want the program to process multiple IR file headers for an IR election

So that I can use different files from different polling/balloting locations for an election


### Linked issues


+


is blocked by


<input checked="" type="checkbox"/>	SP-9	Write code to parse headers for all files, either for CPL or IR	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-18	Test headers are parsed correctly for multiple files	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-25	Write documentation and comments for bringing in multiple files, parsing	=		TO DO ▾

## Parse Multiple CPL headers

 Attach

 Add a child issue

 Link issue



### Description

As a voting official




I want the program to process multiple CPL file headers for a CPL election

So that I can use different files from different polling/balloting locations for an election

### Linked issues


+

is blocked by

<input checked="" type="checkbox"/>	SP-18	Test headers are parsed correctly for multiple files	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-9	Write code to parse headers for all files, either for CPL or IR	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-25	Write documentation and comments for bringing in multiple files, parsing	=		TO DO ▾

## Determine IR winner - process multiple ballot files

 Attach

 Add a child issue

 Link issue



### Description

As a voting official




I want the program to determine a winner for IR from multiple ballot files

So that I can use different files from different polling/balloting locations for an election

### Linked issues



is blocked by

<input checked="" type="checkbox"/>	SP-10	Write code to process all files, either for CPL or IR	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-19	Test files are processed correctly when multiple files are present	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-42	Document processing multiple ballot files to determine winner - IR + CPL	=		TO DO ▾

## Determine CPL winners - process multiple ballot files

 Attach

 Add a child issue

 Link issue



### Description

As a voting official

I want the program to determine seat allocation (winners/losers)




for CPL from multiple ballot files

So that I can use different files from different polling/balloting locations for an election

### Linked issues




is blocked by

<input checked="" type="checkbox"/>	SP-42	Document processing multiple ballot files to determine winner - IR + CPL	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-10	Write code to process all files, either for CPL or IR	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-19	Test files are processed correctly when multiple files are present	=		TO DO ▾

## Calculate votes added, subtracted per candidate + exhausted ballots

 Attach

 Add a child issue

 Link issue



### Description

As a voting official



I want the votes added and subtracted per candidate as well as exhausted ballots in an IR election to be calculated per round

So that I can easily track the flow of ballots in an IR election

### Linked issues




is blocked by

- |                                     |       |  |   |   |         |
|-------------------------------------|-------|--|---|---|---------|
| <input checked="" type="checkbox"/> | SP-19 | Test files are processed correctly when multiple files are present | = |  | TO DO ▾ |
| <input checked="" type="checkbox"/> | SP-24 | Test PO integrated functionality                                   | = |  | TO DO ▾ |

## Graphical IR table with votes added, subtracted per candidate + exhausted ballots

 Attach

 Add a child issue

 Link issue



### Description

As a voting official



I want to be able to see a graphical table that shows IR election information, such as candidates, their parties, and number of votes added/subtracted/exhausted per round

So that I can visually see key IR election information summarized neatly

### Linked issues



is blocked by

- |                                     |      |   |   |   |         |
|-------------------------------------|------|---|---|---|---------|
| <input checked="" type="checkbox"/> | SP-5 | Test functionality of putting information into a simple IR table      | = |  | TO DO ▾ |
| <input checked="" type="checkbox"/> | SP-4 | Write code to implement a simple table that can hold IR round results | = |  | TO DO ▾ |

## Process multiple PO headers

 Attach

 Add a child issue

 Link issue



### Description

As a voting official





I want the program to process multiple PO file headers for a PO election

So that I can use different files from different polling/balloting locations for an election

### Linked issues



is blocked by

<input checked="" type="checkbox"/>	SP-13	Write code for PO file header processing	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-22	Test PO file header is processed correctly	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-12	Create class for PO	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-28	Write documentation related to PO class, PO methods	=		TO DO ▾

## Break PO tie(s)

 Attach

 Add a child issue

 Link issue



### Description

As a voting official




I want the program to be able to break a tie for PO elections

So that a winner can be determined fairly


### Linked issues





is blocked by


<input checked="" type="checkbox"/>	SP-44	Test ties are broken properly for PO	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-43	Write code to break PO ties	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-28	Write documentation related to PO class, PO methods	=		TO DO ▾

# Determine winner of PO

 Attach

 Add a child issue

 Link issue



## Description

As a voting official





I want the program to determine winners and losers of PO

So that I can know the result of a PO election run

## Linked issues



is blocked by

<input checked="" type="checkbox"/>	SP-15	Write code for PO results output	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-23	Test PO results are output correctly	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-28	Write documentation related to PO class, PO methods	=		TO DO ▾
<input checked="" type="checkbox"/>	SP-24	Test PO integrated functionality	=		TO DO ▾

Note: The green in the boxes represents the stories.

<div>TO DO 22 ISSUES</div> <div><div>Test election type is correct from multiple files</div><div>✓ SP-17</div></div> <div><div>Write documentation and comments for bringing in multiple files, parsing</div><div>✓ SP-25</div></div> <div><div>Write code to parse headers for all files, either for CPL or IR</div><div>✓ SP-9</div></div> <div><div>Test headers are parsed correctly for multiple files</div><div>✓ SP-18</div></div>	<div>IN PROGRESS 15 ISSUES</div> <div><div>Determine CPL winners - process multiple ballot files</div><div>SP-36</div><div>JH</div></div> <div><div>Determine IR winner - process multiple ballot files</div><div>SP-35</div><div>JH</div></div> <div><div>Parse Multiple CPL headers</div><div>SP-34</div><div>JH</div></div> <div><div>Parse Multiple IR headers</div><div>SP-33</div><div>JH</div></div> <div><div>Test PO election type is correctly determined for PO file</div><div></div><div></div></div>	<div>DONE 6 ISSUES ✓</div> <div><div>Test PO file header is processed correctly</div><div>✓ SP-22</div><div>✓</div><div>PG</div></div> <div><div>Write code for PO file header processing</div><div>✓ SP-13</div><div>✓</div><div>PG</div></div> <div><div>Create class for PO</div><div>✓ SP-12</div><div>✓</div><div>PG</div></div> <div><div>Write Code to Bring multiple files into system</div><div>✓ SP-7</div><div>✓</div><div>LE</div></div> <div><div>Pass in multiple files</div><div></div><div></div></div>
<div>TO DO 22 ISSUES</div> <div><div>Test headers are parsed correctly for multiple files</div><div>✓ SP-18</div></div> <div><div>Write code to process all files, either for CPL or IR</div><div>✓ SP-10</div></div> <div><div>Document processing multiple ballot files to determine winner - IR + CPL</div><div>✓ SP-42</div></div> <div><div>Write documentation for methods related to calculating vote difference totals in IR</div><div>✓ SP-3</div><div>NS</div></div>	<div>IN PROGRESS 15 ISSUES</div> <div><div>SP-33</div><div>JH</div></div> <div><div>Test PO election type is correctly determined for PO file</div><div>✓ SP-21</div><div>PG</div></div> <div><div>Write code to check if election type is PO</div><div>✓ SP-11</div><div>PG</div></div> <div><div>Test multiple files are brought into system</div><div>✓ SP-16</div><div>JH</div></div> <div><div>Calculate votes added, subtracted per candidate + exhausted ballots</div><div></div><div></div></div>	<div>DONE 6 ISSUES ✓</div> <div><div>files into system</div><div>✓ SP-7</div><div>✓</div><div>LE</div></div> <div><div>Pass in multiple files</div><div>SP-31</div><div>✓</div><div>JH</div></div> <div><div>Write code to check election type from files</div><div>✓ SP-8</div><div>✓</div><div>JH</div></div> <div></div>

<p>TO DO 22 ISSUES</p> <div> <input checked="" type="checkbox"/> SP-6         <div>NS</div> </div> <div>Write code to break PO ties</div> <div> <input checked="" type="checkbox"/> SP-43         </div> <div>Test ties are broken properly for PO</div> <div> <input checked="" type="checkbox"/> SP-44         </div> <div>Write code for PO file processing</div> <div> <input checked="" type="checkbox"/> SP-14         </div> <div>Write documentation related to PO class, PO methods</div> <div> <input checked="" type="checkbox"/> SP-28         </div> <div>Write code for PO results output</div>	<p>IN PROGRESS 15 ISSUES</p> <div>Test functionality of calculating votes added, subtracted, and exhausted totals in IR</div> <div> <input checked="" type="checkbox"/> SP-2         <div>LE</div> </div> <div>Test integration for adding, subtracting candidate vote totals, exhausted ballot totals with IR</div> <div> <input checked="" type="checkbox"/> SP-29         <div>NS</div> </div> <div>Test files are processed correctly when multiple files are present</div> <div> <input checked="" type="checkbox"/> SP-19         <div>JH</div> </div> <div>Graphical IR table with votes added, subtracted per candidate + exhausted ballots</div>	<p>DONE 6 ISSUES ✓</p>
<p>TO DO 22 ISSUES</p> <div>Write code for PO results output</div> <div> <input checked="" type="checkbox"/> SP-15         </div> <div>Test PO results are output correctly</div> <div> <input checked="" type="checkbox"/> SP-23         </div> <div>Add Functionality for multiple files in PO election</div> <div> <input checked="" type="checkbox"/> SP-26         </div> <div>Test PO election works correctly with multiple files</div> <div> <input checked="" type="checkbox"/> SP-27         </div> <div>Test results are correct for multiple files</div>	<p>IN PROGRESS 15 ISSUES</p> <div> <input checked="" type="checkbox"/> SP-38         </div> <div>Write code to implement a simple table that can hold IR round results</div> <div> <input checked="" type="checkbox"/> SP-4         <div>NS</div> </div> <div>Test functionality of putting information into a simple IR table</div> <div> <input checked="" type="checkbox"/> SP-5         <div>NS</div> </div>	<p>DONE 6 ISSUES ✓</p>



TO DO 22 ISSUES

Test results are correct for multiple files

 SP-20

Test PO integrated functionality

 SP-24

Process multiple PO headers

 SP-39

Break PO tie(s)

 SP-40

Determine winner of PO

 SP-41