

PBI	Tasks	Not Started	Initials	Completed (name / date)				
<p>As the election official, I want the MPO election to find a winner because the Secretary of State wants that type of election to work</p> <p>Acceptance Criteria: The election counting are fair, The application can generate real winner, Correct winner found, Runs on GSE lab machines</p> <p>Definition of Done: Name of the winner printed out, coding complete, documentation, unit testing, system testing:</p> <p>Effort: Medium</p> <p>PBI Author(s): Max Bryson, Christopher Miao, Ruichen He, Hannah Nelson</p>	Determine Election Type (MPO)		HN	Hannah Nelson-11/29/23			Steps:	
	Process File Header		MB	Max Bryson-11/29/23			MPO election	
	Add Vote		HN	Hannah Nelson-12/01/23			Handle MPO file	
	Find Winner		MB	Max Bryson-12/6/23			MPO stats to screen, % etc. (not audit files)	
	If Tie, find winner with Fair Coin Toss		MB	Max Bryson-12/6/23			IRV ballots	
	Print Winner to Screen		HN+MB	MB-12/6/2023				
	In-Line Documentation		MB	Max Bryson-12/6/23				
	Doxygen Comments		MB	Max Bryson-11/29/23				
	Create Unit Tests		HN	Hannah Nelson-12/4/23				
	Run Unit Testing		MB	Max Bryson-12/7/2023				
	Create System Tests		HN	Hannah Nelson-12/4/23				
	Run System Testing		MB	Max Bryson-12/7/2023				
<p>As the election official, I want to see the vote distribution so I can see how the candidate did:</p> <p>Acceptance Criteria: The MPO stats are printed out to the screen</p> <p>Definition of Done: MPO stats are displayed to the terminal, coding complete, Documentation, and testing complete:</p> <p>Effort: Small</p> <p>PBI Author(s): Max Bryson, Christopher Miao, Ruichen He, Hannah Nelson</p>	Print initial vote distribution		MB	Max Bryson-12/7/2023				
	Print final seats/winners		MB	Max Bryson-12/6/2023				
	In-Line Documentation		MB	Max Bryson-12/6/2023				
	Doxygen Comments		MB	Max Bryson-12/6/2023				
	Create Tests		HN	Hannah Nelson-12/4/23				
	Run Tests		MB	Max Bryson-12/7/2023				
<p>As the election official, I don't want to count the invalid votes, as required by the Secretary of State:</p> <p>Acceptance Criteria: Election finds a correct winner with only valid votes in an unbiased manner:</p> <p>Definition of Done: Election is able to validate the votes, find the winner using only valid votes, coding complete, Documentation and Testing is complete:</p> <p>Effort: Small</p> <p>PBI Author(s): Ruichen He, Max Bryson</p>	Go over each IRV ballot and validate		CM	Christopher Miao-12/01/23				
	Print out the invalid ballot		CM	Christopher Miao-12/01/23				
	In-Line Documentation		CM	Christopher Miao-12/08/23				
	Doxygen Comments		CM	Christopher Miao-12/04/23				
	Create Unit Tests		CM	Christopher Miao-12/08/23				
	Run Unit Testing		RH	Ruichen He-12/08/2023				
	Create System Tests		CM	Christopher Miao-12/08/23				
<p>As the election official, I want to remove the invalid vote from IRV so I can see which votes are invalid:</p> <p>Acceptance Criteria: Invalid ballots will be removed and stored in an audit file</p> <p>Definition of Done: Show the removed invalid ballots in an audit file, coding complete, Documentation and Testing is complete:</p> <p>Effort: Small</p> <p>PBI Author(s): Ruichen He, Hannah Nelson</p>	Run System Testing		CM	Christopher Miao-12/08/23				
	Remove the invalid ballot		RH	Ruichen He-11/30/23				
	Print out the ballot been removed		RH	Ruichen He-12/05/23				
	In-Line Documentation		RH	Ruichen He-12/08/2023				
	Doxygen Comments		RH	Ruichen He-12/08/2023				
	Create Unit Test		RH	Ruichen He-12/08/2023				
	Run Unit Testing		RH	Ruichen He-12/08/2023				
	Create System Test		RH	Ruichen He-12/08/2023				
	Run System Testing		RH	Ruichen He-12/08/2023				
	Add the remove ballot in the audit file		RH	Ruichen He-12/08/2023				