

<b>Description</b>	<p>As an election official</p> <p>I want the voting system to be able to handle up to 100,000 ballots and return the results in a timely manner</p> <p>So that I can use this system for larger population and don't need to wait for too long.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- OPL and IRV programs appropriately calculate election winner(s).</li> <li>- The generated audit files can be used to recreate the election.</li> <li>- The election is fair to all candidates.</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- Passes all new written tests with up to 100,000 ballots per acceptance criteria.</li> <li>- Documentation for the updated program files is complete.</li> <li>- Accurate results and correctly placed audit files are outputted for the correct ballot file.</li> <li>- Passes all regression tests.</li> <li>- Ability to demo the feature.</li> </ul>
<b>Effort</b>	Small

<b>Description</b>	<p>As an election official</p> <p>I want the voting system to be able to print a short report including the date, type of election, the candidates, the number of seats and the winner(s)</p> <p>So that I can store and view these relevant information without finding them out in the audit file</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- OPL and IRV programs appropriately calculate election winner(s), generate correct results and place the audit file in the correct place.</li> <li>- A short report containing the date, type of election, the candidates, the number of seats and the winner(s) is printed to the election official.</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- Passes all new written tests for printing the short report per acceptance criteria.</li> <li>- Documentation for the updated program files is complete.</li> <li>- Audit files are generated in the correct directory.</li> <li>- Short report is printed with correct information.</li> <li>- Passes all regression tests.</li> </ul>

	- Ability to demo the feature.
<b>Effort</b>	Medium

<b>Description</b>	<p>As an election official I want to be able to input ballots on the screen via a graphical user interface (GUI) So I have the ability to provide ballots (needed to carry out a fair election) on the screen through an intuitive, user-friendly GUI that's easy to use.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- The election official can interact with the GUI to input the ballot(s) on the screen.</li> <li>- The GUI captures the user's ballot information without crashing.</li> <li>- The election official has a way to provide information about the election such as the election type, number of candidates, etc.</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- The new written tests per acceptance criteria pass.</li> <li>- Passes all regression tests.</li> <li>- Documentation regarding this new feature is added and old documentation is updated as needed.</li> <li>- Ability to demo the GUI functionality on a computer</li> </ul>
<b>Effort</b>	Medium

<b>Description</b>	<p>As an election official I want my provided ballot(s) on the screen be inputted to the program So that the ballots appropriately influence the election through the program and a file would become another option for controlling the election.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- The information associated with the inputted ballot(s) can be passed to the program.</li> <li>- The program runs with this new information and the election is updated according to the inputted ballot(s).</li> <li>- Output files are accordingly generated with the correct information according to the ballots provided.</li> </ul>

<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- The new written tests per acceptance criteria pass.</li> <li>- Passes all regression tests.</li> <li>- Documentation regarding this new feature is added and old documentation is updated as needed.</li> <li>- Ability to demo feature using on a computer running the program.</li> </ul>
<b>Effort</b>	Medium

<b>Description</b>	<p>As an election official I want to be able to connect with the central system server that will eventually handle the ballots and update the election So that I can eventually have ballot information sent to and tabulated by the system server from multiple machines.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- A connection with the system server can be initiated and sustained.</li> <li>- The connection is ongoing and doesn't cause any crashes to the machine currently being operated.</li> <li>- The system server can be connected to from multiple machines at the same time.</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- The new written tests per acceptance criteria pass.</li> <li>- Passes all regression tests.</li> <li>- Documentation regarding this new feature is added and old documentation is updated as needed.</li> <li>- Ability to simultaneously demo feature on multiple machines.</li> </ul>
<b>Effort</b>	Medium

<b>Description</b>	<p>As an election official I want the information associated with my inputted ballot(s) to be sent to the main system So that I can input ballot(s) in any machine and have it be sent to a system that will appropriately update any election.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- The information provided by the ballot(s) is sent over to the system server.</li> <li>- System server accepts the ballot's information and updates the</li> </ul>

	<p>corresponding election in real-time.</p> <ul style="list-style-type: none"> <li>- The election is updated according to the ballot information sent from the local machine to the server.</li> <li>- No crashes occur when the ballot is provided and information is sent to the central system.</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- The new written tests per acceptance criteria pass.</li> <li>- Passes all regression tests.</li> <li>- Documentation regarding this new feature is added and old documentation is updated as needed.</li> <li>- Ability to simultaneously demo feature on multiple machines.</li> </ul>
<b>Effort</b>	Medium

<b>Description</b>	<p>As an election official I want to receive an update back from the system that I sent my ballot to So that I can be updated on the progress of the election and can verify that my ballot was received.</p>
<b>Acceptance Criteria</b>	<ul style="list-style-type: none"> <li>- The election official receives back a receipt from the system handling ballots.</li> <li>- The received receipt contains correctly updated information about the current state of the election and the provided ballot(s).</li> <li>- The generated output files are correct according to the most recently provided ballot(s).</li> </ul>
<b>Definition of Done</b>	<ul style="list-style-type: none"> <li>- The new written tests per acceptance criteria pass.</li> <li>- Passes all regression tests.</li> <li>- Documentation regarding this new feature is added and old documentation is updated as needed.</li> <li>- Ability to simultaneously demo feature on multiple machines.</li> </ul>
<b>Effort</b>	Medium