

## PBIs

### 1. Voting Functions (TOP RANK)

Functionality	As Customer, I want a fully functional election system, fixed from project 1.
Acceptance and Done Criteria	Droop and Plurality quota work as specified;
Effort	Medium

### 2. Shuffle functionality (TOP RANK)

Functionality	As Customer, I want the shuffle function to properly shuffle votes when engaged
Acceptance and Done Criteria	shuffle shuffles votes when engaged.
Effort	Low

### 3. GUI user processes

Functionality	As Customer, I want a GUI for all user processes of the software
Acceptance and Done Criteria	GUI developed for the main menu, help screen, inputs from the user, and result of an election.
Effort	Large

#### 4. Ballot Validity Check (SECOND TOP)

Functionality	As Customer, I want the system to check all ballots for validity and not include ballots in the election that are considered invalid (ie have ranked fewer than half of all candidates)
Acceptance and Done Criteria	The system can check differentiate between valid and invalid ballots
Effort	Small

#### 5. Ballot Validity Election Check (SECOND TOP)

Functionality	As Customer, I want the system to be able to not run an election if over half the ballots are invalid.
Acceptance and Done Criteria	The system can check the validity of all ballots
Effort	Small

#### 6. Ballot Validity Report

Functionality	As a Customer, I want the system to include a report of all ballots that were invalidated.
Acceptance and Done Criteria	The user is given a report of all invalidated ballots after the election is finished
Effort	small

#### 7. Invalid Ballot Store

Functionality	As a customer, I want the ability to use a GUI to name a file of invalidated ballots whatever I want
Acceptance and Done Criteria	The user is able to name and store a file through a GUI
Effort	Small

#### 8. Invalid Ballot Store

Functionality	As a customer, I want the ability to use a GUI to store a file of invalidated ballots wherever I want
Acceptance and Done Criteria	The user is able to store a file through a GUI
Effort	Small

#### 9. Election Certification Official Report

Functionality	As a Customer, I want a report given to the election certification official that includes a date, type of election (i.e. droop or plurality), the candidates, the number of seats, and the winners of the election.
Acceptance and Done Criteria	The user is given a report with all pertinent information
Effort	small

10. New prototype (not a top pick)

Functionality	As a Customer, I want a front-end system for the inputting of individual ballots in an election
Acceptance and Done Criteria	Front end: <ul style="list-style-type: none"> <li>• Enter candidate names</li> <li>• Enter election type</li> <li>• Start polling software</li> <li>• Record individual responses <ul style="list-style-type: none"> <li>◦ Guarantee fair play</li> </ul> </li> <li>• Have a way to indicate all ballots have been collected <ul style="list-style-type: none"> <li>◦ Have a way to prevent non-election officials from stopping the election early</li> </ul> </li> </ul>
Effort	Large

Front end:

- Enter candidate names
- Enter election type
- Start polling software
- Record individual responses
  - Guarantee fair play
- Have a way to indicate all ballots have been collected
  - Have a way to prevent non-election officials from stopping the election early

Not Started	In Progress	Completed
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[illegible]