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| Determine Election Type: P2_001 |
| Team Member(s) Responsible: Hannah Nelson |
| Inputs: a Filename |
| Tests: <ul style="list-style-type: none"> • Invalid Filename • Valid MPO Filename |
| Outputs: Reprompt user if invalid or print MPO election type to terminal |
| Passed |
| Date: 11/29/2023 |

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| Add Vote: P2_002 |
| Team Member(s) Responsible: Hannah Nelson |
| Inputs: Votes from csv file, TestMPO.csv |
| Tests: See if votes are correctly added to candidates |
| Outputs: Candidates and their # of votes printed to terminal |
| Passed |
| Date: 12/01/2023 |

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| Find Winner in MPO Election: P2_003 |
| Team Member(s) Responsible: Max Bryson |
| Inputs: csv file, testMPO.csv |
| Tests: See if the correct winner(s) are found |
| Outputs: Names of winners printed to terminal |
| Passed |
| Date: 12/06/2023 |

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| Settle Ties with Fair Coin Toss: P2_004 |
| Team Member(s) Responsible: Max Bryson |
| Inputs: csv file, testMPO.csv, MPOTie.csv |
| Tests: See if the tied winners have an equal chance of winning |
| Outputs: Winners have an equal distribution |
| Passed |
| Date: 12/06/2023 |

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| Print Winner To Screen: P2_005 |
| Team Member(s) Responsible: Max Bryson, Hannah Nelson |
| Inputs: csv file, testMPO.csv, |
| Tests: See if the winner is printed to the terminal |
| Outputs: Selected winner(s) are printed to terminal |
| Passed |
| Date: 12/06/2023 |

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| Print Initial Vote Distribution: P2_006 |
| Team Member(s) Responsible: Max Bryson |
| Inputs: csv file, testMPO.csv, |
| Tests: Print all candidate names paired with the number of votes they received |
| Outputs: Candidate names and votes printed to terminal and correct numbers |
| Passed |
| Date: 12/07/2023 |

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| Check for Time issues: P2_007 |
| Team Member(s) Responsible: Max Bryson |
| Inputs: csv file, MPOTimeTest.csv, |
| Tests: See if a ballot with 100,000 votes is processed quickly |
| Outputs: ballot was processed very quickly |
| Passed |
| Date: 12/07/2023 |

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| Valid IR ballot: P2_008 |
| Team Member(s) Responsible: Christopher Miao |
| Inputs: csv file, test_IR.csv |
| Tests: See if an invalid ballot fails and a valid ballot passes |
| Outputs: invalid ballot is printed |
| Passed |
| Date: 12/08/2023 |

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| Remove the Invalid IR ballot: P2_009 |
| Team Member(s) Responsible: Ruichen He |
| Inputs: csv file, test_IR_invalid.csv, which contains 10 invalid ballots |
| Tests: See if all 10 invalid ballots are been removed and added into the invalidBallot list |
| Outputs: The number of the removed invalid ballots are equal to 10 |
| Passed |
| Date: 12/08/2023 |

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| IR Winner declare after invalid ballots been removed: P2_010 |
| Team Member(s) Responsible: Ruichen He |
| Inputs: csv file, test_IR_invalid.csv, which contains 10 invalid ballots |
| Tests: If 10 invalid ballots have been removed, the winner should be Rosen (which has the lowest number of total ballots, whether valid or not). |
| Outputs: The winner is Rosen |
| Passed |
| Date: 12/08/2023 |