**PBI-MultipleFile, System Testing Logs**

**Note:**

* **Not all functionality is completed so the following tests show if elections with multiple inputs are being processed as expected.**
* **Not all OPL files are intended to be ran together, as they contain Differing candidate lists.**

**Multiple IR’s**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 001 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, IRsystest1.csv, IRsystestDemWin.csv,  IRsystestIndWin.csv, IRsystestLWin.csv, IRsystestRepWin.csv |
| Tests: 1, IR voting, tests all five IR voting files simultaneously |
| Outputs:  Rosen with 103  Kleinberg with 100  Chou with 102  Royce with 101 |
| Passed |
| Date: 4/20/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 002 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1  IRsystestDemWin.csv  IRsystestRepWin.csv IRsystestRepWin.csv  IRsystestIndWin.csv IRsystestIndWin.csv IRsystestIndWin.csv  IRsystestLWin.csv IRsystestLWin.csv IRsystestLWin.csv IRsystestLWin.csv |
| Tests: IR voting, test if data compiles right, and output is proportional to file input. |
| Outputs:  Election type: IR  Winner:  Rosen  All Candidates:  Rosen with 100  Kleinberg with 200  Chou with 300  Royce with 400  The election results have been saved to DisplayResult.txt  Counting ballots took 92 seconds to complete |
| Passed |
| Date: 4/20/2021 |

**Multiple OPL’s**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 006 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 2, OPLsystestDemWin.csv, OPLsystestRepWin.csv,  OPLsystestIndWin.csv, OPLsystestIndWin.csv |
| Tests: OPL voting, tested four OPL inputs |
| Outputs:  Election type: OPL  Seats: 3  Number of Candidates: 5  Number of Ballots: 912  Winners:  Craig with 1766  Joe with 1838  Armada with 564  Smith with 514  Kevin with 490  All Candidates:  Joe with 1838  Craig with 1766  Kevin with 490  Smith with 514  Armada with 564  The election results have been saved to DisplayResult.txt  Counting ballots took 30 seconds to complete |
| Passed |
| Date: 4/20/2021 |

**IR input with OPL selected**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 007 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 2,  IRsystest1.csv IRsystestDemWin.csv, IRsystestIndWin.csv, IRsystestLWin.csv, IRsystestRepWin.csv |
| Tests: OPL voting, tried to incorrectly input an IR file. |
| Outputs:  Please enter the correct file name or done to continue to vote counting:  IRsystest1.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  IRsystestDemWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  IRsystestIndWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  IRsystestLWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  IRsystestRepWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting: |
| Passed |
| Date: 4/20/2021 |

**OPL input with IR selected**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 008 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1  OPLsystest1.csv, OPLsystestDemWin.csv, OPLsystestRepWin.csv, OPLsystestIndWin.csv  OPLsystestManyVotes.csv, OPLsystestManyCand.csv, OPLsystestNoSeats.csv |
| Tests: IR voting, tried to incorrectly input each OPL file. |
| Outputs:  Please enter the correct file name or done to continue to vote counting:  OPLsystest1.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestDemWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestRepWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestIndWin.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestManyVotes.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestManyCand.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting:  OPLsystestNoSeats.csv  Incorrect file name!  Please enter the correct file name or done to continue to vote counting: |
| Passed |
| Date: 4/20/2021 |

**MULTIPLE FILE SYSTEM TEST LIST 2**

**IR no input**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1001 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, done |
| Tests: IR voting without any voter data |
| Outputs:  Election type: IR  Winner:  Segmentation fault |
| Passed |
| Date: 4/21/2021 |

**Tie Cases**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1003 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, IRsystestTie.csv, IRsystestTie.csv, IRsystestTie.csv, IRsystestTie.csv |
| Tests: Four-way tie scenario |
| Outputs:  Election type: IR  Winner:  Rosen  All Candidates:  Rosen with 4  Kleinberg with 4  Chou with 4  Royce with 4  The election results have been saved to DisplayResult.txt  Counting ballots took 24 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1004 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, IRsystestTie.csv, IRsystestTie.csv |
| Tests: Four-way tie scenario |
| Outputs:  Election type: IR  Winner:  Royce  All Candidates:  Rosen with 2  Kleinberg with 2  Chou with 0  Royce with 4  The election results have been saved to DisplayResult.txt  Counting ballots took 12 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1005 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, IRsystestTie.csv, IRsystestTie.csv |
| Tests: Four-way tie scenario |
| Outputs:  Election type: IR  Winner:  Rosen  All Candidates:  Rosen with 4  Kleinberg with 2  Chou with 2  Royce with 0  The election results have been saved to DisplayResult.txt  Counting ballots took 14 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1006 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1, IRsystestTie.csv, IRsystestTie.csv |
| Tests: Four-way tie scenario |
| Outputs:  Election type: IR  Winner:  Chou  All Candidates:  Rosen with 0  Kleinberg with 0  Chou with 3  Royce with 1  The election results have been saved to DisplayResult.txt  Counting ballots took 9 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1007 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1,  IRsystestDemWin.csv, IRsystestRepWin.csv,  IRsystestIndWin.csv, IRsystestLWin.csv |
| Tests: Tie by combining four win tests , one for dems, reps, inds, and L. |
| Outputs:  Election type: IR  Winner:  Rosen  All Candidates:  Rosen with 100  Kleinberg with 100  Chou with 100  Royce with 100  The election results have been saved to DisplayResult.txt  Counting ballots took 33 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1008 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1,  IR\_NoFilledBallot.csv, IR\_NoFilledBallot.csv |
| Tests: Combine two files with no ballots filled out |
| Outputs:  Election type: IR  Winner:  Royce  All Candidates:  Rosen with 0  Kleinberg with 0  Chou with 0  Royce with 12  The election results have been saved to DisplayResult.txt  Counting ballots took 73 seconds to complete |
| Passed |
| Date: 4/21/2021 |

**Testing all IR’s with new cases**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1009 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 1,  IR\_NoFilledBallot.csv, IR\_NoFilledBallot.csv |
| Tests: Combine two files with no ballots filled out |
| Outputs:  Election type: IR  Winner:  Rosen  All Candidates:  Rosen with 106  Kleinberg with 101  Chou with 104  Royce with 111  The election results have been saved to DisplayResult.txt  Counting ballots took 54 seconds to complete |
| Passed |
| Date: 4/21/2021 |

**New OPL cases**

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1010 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 2, OPL\_systestDemWin\_v2.csv,  OPL\_systemRepWin\_v2.csv, OPL\_systestIndWin\_v2.csv, OPLsystest1.csv |
| Tests: Initial OPL test combined with secondary win cases for each party |
| Outputs:  Election type: OPL  Seats: 3  Number of Candidates: 6  Number of Ballots: 10  Winners:  Borg with 8  Jones with 4  Deutsch with 0  Pike with 10  Foster with 10  Smith with 7  All Candidates:  Pike with 10  Foster with 10  Deutsch with 0  Borg with 8  Jones with 4  Smith with 7  The election results have been saved to DisplayResult.txt  Counting ballots took 100 seconds to complete |
| Passed |
| Date: 4/21/2021 |

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| The PBI, the Task Description (from Sprint Log) with Unique Testing Number:  PBI-MultipleFiles, System testing for multiple files, 1011 |
| Team Member(s) Responsible: Roman Woolery |
| Inputs: 2, OPLsystestTie.csv, OPLsystestTie.csv |
| Tests: Checking the tie condition.csv |
| Outputs:  Election type: OPL  Seats: 3  Number of Candidates: 5  Number of Ballots: 8  Winners:  Craig with 4  Joe with 4  Kevin with 4  Smith with 4  Armada with 0  All Candidates:  Joe with 4  Craig with 4  Kevin with 4  Smith with 4  Armada with 0  The election results have been saved to DisplayResult.txt  Counting ballots took 36 seconds to complete |
| Passed |
| Date: 4/21/2021 |