

Test logs:

PBI 1 Task 1: Randomness check for Plurality with same ballot
Team Member(s) Responsible: Raheel Qureshi
Inputs: 'examplefile.csv' file: nine candidates and five seats needed
Tests: Run the test several times
Outputs: OK.The winner lists are different which means it gets random
Passed or Failed: Passed
Date: April 13th, 2018

PBI 1 Task 2: Test both algorithms and user ability of choosing algorithm
Team Member(s) Responsible: Yuanzong Zhang
Inputs: examplefile1.csv
Tests: Test CSV with Plurality algorithm Test CSV with STV algorithm
Outputs: ok
Passed or Failed: Passed
Date: April 13th, 2018

PBI 1 Task 3: Refactor program
Team Member(s) Responsible: Zhongyi Sun
Inputs: No input needed
Tests: The program is refactored
Outputs: The program is refactored

Passed or Failed: Passed
Date: April 13th, 2018

PBI 2 Task 1 : Shuffle is default
Team Member(s) Responsible: Raheel Qureshi
Inputs: examplefile.csv
Tests: Test whether STV algorithm is shuffle or not
Outputs: STV algorithm is shuffled by default
Passed or Failed: Passed
Date: April 16th, 2018

PBI 2 Task 2: Add one optional argument when user run the program through command line
Team Member(s) Responsible: Yuanzong Zhang
Inputs: examplefile.csv
Tests: Input one more argument(-noshuffle) when run this program
Outputs: OK
Passed or Failed: Passed
Date: April 16th, 2018

PBI 2 Task 3: Add a flag in the program to decide if the shuffle option should be turned off
Team Member(s) Responsible: Zhongyi Sun
Inputs: examplefile.csv
Tests: input one more argument "-noshuffle" on the terminal when run this program
Outputs: Ok

Passed or Failed: Passed
Date: April 16th, 2018

PBI 3 Task 1 & 2: Ability of read and run CSV file including seats and algorithm
Team Member(s) Responsible: Yuanzong Zhang, Ziyi Wang
Inputs: examplefile3.csv
Tests: Test if system could open and read the file.
Outputs: Ok
Passed or Failed: Passed
Date: April 16th, 2018

PBI 3 Task 3: Error check for contents reading
Team Member(s) Responsible: Zhongyi Sun
Inputs: examplefile11.csv & examplefile12.csv (give wrong information to test this one)
Tests: <ol style="list-style-type: none"> 1. In the first line, No p or s in the first character 2. In the first line, there are more extra information besides "s" or "p" 3. In the second line, no # is put in 4. In the second line, there are extra information besides a number
Outputs: System reports error correctly
Passed or Failed: Passed
Date: April 16th, 2018

PBI 4 Task 1: User can run the program with an additional argument which is the name of the CSV file
Team Member(s) Responsible: Raheel Qureshi
Inputs: examplefile2.csv User can run the program with a filename

Tests: 1. input one more argument that is the filename on the terminal when run this program such as ./Votecounter examplefile.csv
Outputs: OK
Passed or Failed: Passed
Date: April 17th, 2018

PBI 4 Task 2: Change the program structure to enable both way of passing in file name. Time estimated
Team Member(s) Responsible: Ziyi Wang
Inputs: examplefile2.csv
Tests: 1.Input one more argument that is the filename 2.Not input filename along with ./Votecounter examplefile.csv
Outputs: OK
Passed or Failed: Passed
Date: April 17th, 2018

PBI 5 Task 1 & 2: Check and discard invalid ballot for STV and print statements to inform user
Team Member(s) Responsible: Zhongyi Sun
Inputs: examplefile13.csv
Tests: Test the CSV with some ballot with less than half of the candidates ranked
Outputs: Some ballot with less than half of the candidates ranked is discarded
Passed or Failed: Passed
Date: April 19th, 2018

PBI 5 Task 3: Test functionality after discarding invalidated ballots

Team Member(s) Responsible: Yuanzong Zhang
Inputs: examplefile13.csv
Tests: After discarding invalid ballots, run the STV algorithm
Outputs: Ok. The result is right.
Passed or Failed: Passed
Date: April 19th, 2018

PBI 6 Task 1: additional functions to generate this short report and get the information this report needed
Team Member(s) Responsible: Raheel Qureshi
Inputs: examplefile2.csv(Plurality) examplefile3.csv(STV)
Tests: 1. Run short report related functions to generate a new short report
Outputs: OK
Passed or Failed: Passed
Date: April 22th, 2018

PBI 6 Task 2: Test if the report can be successfully exported and the contents are correct.
Team Member(s) Responsible: Ziyi Wang
Inputs: examplefile2.csv(Plurality) examplefile3.csv(STV)
Tests: After generating this short report, we check the if it exists and its contents are correct
Outputs: OK
Passed or Failed: Passed
Date: April 22th, 2018