PBI 1: STV and Plurality

Task 1: STV CalculateDQ– Test_1
Team Member(s) Responsible: Yao Zeng
Inputs: 1. Input data is the number of ballots and number of seats
Tests: 1. Test if correct droop quota can be calculated
Outputs: Pass
Date: 4/4

Task 2: STV runAlgorithm – Test_1
Team Member(s) Responsible: Yao Zeng
Inputs: 1. Input data is the calculated droop quota
Tests: 1. Test if correct electedCandidate, nonElectedCandidate, and invalidateBallot ArrayList can be stored correctly
Outputs: Pass
Date: 4/4

Task 3: STV generateReport – Test_1
Team Member(s) Responsible: Yao Zeng
Inputs: 1. No input argument
Tests: 1. Test if the output file contains the electedCandidate, nonElectedCandidate and invalidateBallot
Outputs: Pass
Date: 4/4

Task 4: Plurality runAlgorithm – Test_1
Team Member(s) Responsible: Yao Zeng
Inputs: 1. No input argument
Tests: 1. Test if correct electedCandidate, nonElectedCandidate, and invalidateBallot ArrayList can be stored correctly
Outputs: Pass
Date: 4/4

Task 5: Plurality generateReport – Test_1
Team Member(s) Responsible: Yao Zeng
Inputs: 1. No input argument
Tests: 2. Test if the output file contains the electedCandidate, nonElectedCandidate and invalidateBallot
Outputs: Pass
Date: 4/4

PB 2: Shuffle

Task 1: Shuffle option – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are two command line arguments 2. If the second argument is equal to a String value “off”, it indicates turning off the shuffle
Tests: 1. Test if the ballots will be shuffled with only one argument 2. Test if the ballots will be shuffled with two arguments and second argument is not equal to “off” 3. Test if the ballots will be shuffled with two arguments and second argument is equal to “off”
Outputs: Fail
Date: 4/4

Task 1: Shuffle option – Test_2
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are two command line arguments 2. If the second argument is equal to a String value “off”, it indicates turning off the shuffle
Tests: 1. Test if the ballots will be shuffled with only one argument 2. Test if the ballots will be shuffled with two arguments and second argument is not equal to “off” 3. Test if the ballots will be shuffled with two arguments and second argument is equal to “off”
Outputs: Pass
Date: 4/7

PB 3: Parsing csv File – no input from user

Task 1: Parse file – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are no command line arguments 2. File name is read as input after system prompts
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/5

Task 1: Parse file – Test_2
Team Member(s) Responsible: Yiwen Wan
Inputs: 1. There are no command line arguments 2. File name is read as input after system prompts
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/7

Task 1: Parse file – Test_3
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are no command line arguments 2. File name is read as input after system prompts
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Pass
Date: 4/12

PB 4: Command line argument for file name

Task 1: Command line argument for file name – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/7

Task 1: Command line argument for file name – Test_2
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Pass
Date: 4/9

PB 5: Invalidated Ballot

Task 1: STV runAlgorithm – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/14

Task 1: STV runAlgorithm – Test_2
Team Member(s) Responsible: YiWen Wan
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/16

Task 1: STV runAlgorithm – Test_3
Team Member(s) Responsible: YiWen Wan
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/17

Task 1: STV runAlgorithm – Test_4
Team Member(s) Responsible: Yao Zeng
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Fail
Date: 4/19

Task 1: STV runAlgorithm – Test_5
Team Member(s) Responsible: Yiwen Wan
Inputs: 1. There are one/two command line arguments 2. File name is in the first argument
Tests: 1. Test if file can be opened. 2. Test if content can be read correctly
Outputs: Pass
Date: 4/20

PB 6: Short Report

Task 1: STV generateShortReport – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. No input arguments
Tests: 1. Test if a short_report.txt file is generated 2. Test if the file contains the correct content
Outputs: Fail
Date: 4/8 (Ranking was wrong before so unit test for short report is created before PB5 is done

Task 1: STV generateShortReport – Test_2
Team Member(s) Responsible: Yao Zeng
Inputs: 1. No input arguments
Tests: 1. Test if a short_report.txt file is generated 2. Test if the file contains the correct content
Outputs: Pass
Date: 4/21

Task 2: Plurality generateShortReport – Test_1
Team Member(s) Responsible: Pinki Wong
Inputs: 1. No input arguments
Tests: 1. Test if a short_report.txt file is generated 2. Test if the file contains the correct content
Outputs: Fail
Date: 4/8 (Ranking was wrong before so unit test for short report is created before PB5 is done

Task 1: Plurality generateShortReport – Test_2
Team Member(s) Responsible: Yao Zeng
Inputs: 2. No input arguments
Tests: 3. Test if a short_report.txt file is generated 4. Test if the file contains the correct content
Outputs: Pass
Date: 4/21