The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Fix the bug of CPL algorithm from project 1. Add more tests to contain more conditions. UC_014
Team	4
Member(s) Responsible:	Hanzhang Wu, Yanjun Cui
Inputs:	1.CPLexmaple.csv 2. CPLexample_0seats.csv 3. CPLexample_overflow.csv 4. CPLexmaple2.csv 5. CPLexmaple3.csv
Tests:	1. A regular testcase, test whether the correct outputs can be generated. 2. Test for special conditions, whether correct output can be generated if there are 0 seats. 3. Test for special conditions, whether correct output can be generated if the number of seats is larger than the number of candidates. 4. Test with large number of candidates and ballots. 5. A regular testcase with equal conditions, test whether the correct outputs can be generated.
Outputs:	"Test# pass" or "Test# fail " message indicates test cases pass or fail.
Passed or Failed	Pass
Date	2019-12-12

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	use graphic interfaces to search for a csv file instead of typing in the full path to upload UC_015
Team	4
Member(s) Responsible:	Hanzhang Wu, Yangjiawen Xu
Inputs:	1. Click "Previous" 2. Click "Cancel" 3. Type in a number in the box after "Goto" 4. Click "Goto" 5. Type in a number in the box after "Select" 6. Click "Select"
Tests:	1. Test whether a user can select the exact csv file through graphical interface. 2. Test whether user will be given a message to inform he/she that his/her action is right. 3. Test whether a user will be given a message to inform he/she that his/her action is wrong. 4. Test whether a user will be given a message to inform he/she that his/her action is invalid.
Outputs:	A detailed message will be printed out to inform the user.
Passed or Failed	Pass
Date	2019-12-12

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	name the audit file and choose the folder to store the file through graphic interfaces UC_016
Team	4
Member(s) Responsible:	Yanjun Cui, Yangjiawen Xu
Inputs:	1. Type in the file name 2. Choose the directory to save the file
Tests:	1. Test whether users can rename and save the generated audit file through graphical interface. 2. Test whether the audit file can be saved in the default path with default name.
Outputs:	A detailed message will be printed out to inform the user.
Passed or Failed	Pass
Date	2019-12-12

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Test whether CPLexmaple.csv can be uploaded successfully and generate correct results for all the functionalities. ST_001
Team	4
Member(s) Responsible:	Yanjun Cui, Hanzhang Wu
Inputs:	CPLexample.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether the correct results can be generated. 3. Test whether the audit file can generated, and saved to selected path through GUI. 4. Test can we send the file to the media. 5. Test can we log out successfully.
Outputs:	1. File input successfully. 2. Summary generated successfully. 3. The Audit file can be saved to the desktop successfully. 4. Send to the media file generated successfully. 5. After all the things down, we can log out successfully.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Test whether CPLexmaple2.csv can be uploaded successfully and save the generated audit file with new name to a new path via GUI. ST_002

Team	4
Member(s) Responsible:	Yanjun Cui, Hanzhang Wu
Inputs:	CPLexample2.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether the audit file can generated, and saved to selected path (Desktop) through GUI.
Outputs:	1. File input successfully. 2. The Audit file can be saved to the desktop successfully, with correct results.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Test whether CPLexmaple3.csv can be uploaded successfully and save the generated audit file with new name to a new path via GUI. ST_003
Team	4
Member(s) Responsible:	Yanjun Cui, Hanzhang Wu
Inputs:	CPLexample3.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether the audit file can generated, and saved to selected path (Document) through GUI.

Outputs:	3. File input successfully.
	4. The Audit file can be saved to the document successfully, with correct results.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Test whether CPLexmaple_0seats.csv can be uploaded successfully and save the generated audit file with a new name to a new path via GUI. ST_004
Team	4
Member(s) Responsible:	Yanjun Cui, Hanzhang Wu
Inputs:	CPLexample_0seats.csv
Tests:	1. Test whether the searching file GUI works well.
	2. Test whether the audit file can generated, and saved to selected path (Document) through GUI.
Outputs:	5. File input successfully.
	6. The Audit file can be saved to the document successfully, with correct results.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	Test whether CPLexmaple_overflow.csv can be uploaded successfully and save the generated audit file with a new name to a new path via GUI. ST_005
Team	4
Member(s) Responsible:	Yanjun Cui, Hanzhang Wu
Inputs:	CPLexample_overflow.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether the audit file can generated, and saved to selected path (Document) through GUI.
Outputs:	7. File input successfully. 8. The Audit file can be saved to the document successfully, with correct results.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	ST_006 Test whether OPLexmaple.csv can be uploaded successfully and save the generated audit file with new name to a new path via GUI.
Team	4
Member(s) Responsible:	Yangjiawen Xu
Inputs:	OPLexmaple.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether the correct results can be generated. 3. Test whether the audit file can generated, and saved to selected path through GUI. 4. Test can we send the file to the media. 5. Test can we log out successfully.
Outputs:	1. File input successfully. 2. Summary generated successfully. 3. The Audit file can be saved to the desktop successfully. 4. Send to the media file generated successfully. 5. After all the things down, we can log out successfully.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	ST_007 Test whether OPLexmaple2.csv can be uploaded successfully and save the generated audit file with a new name to a new path via GUI.
Team	4
Member(s) Responsible:	Yangjiawen Xu
Inputs:	OPLexample2.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether random results can be generated. (with break tie) 3. Test whether the audit file can generated, and saved to selected path through GUI. 4. Test can we send the file to the media. 5. Test can we log out successfully.
Outputs:	1. File input successfully. 2. Summary generated successfully. 3. The Audit file can be saved to the desktop successfully. 4. Send to the media file generated successfully. 5. After all the things down, we can log out successfully.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	ST_008 Test whether OPLexmaple3.csv can be uploaded successfully and save the generated audit file with a new name to a new path via GUI.
Team	4

Member(s) Responsible:	Yangjiawen Xu
Inputs:	OPLexample3.csv
Tests:	1. Test whether the searching file GUI works well. 2. Test whether random results can be generated with a larger test file. (with break tie) 3. Test whether the audit file can generated, and saved to selected path through GUI. 4. Test can we send the file to the media. 5. Test can we log out successfully.
Outputs:	1. File input successfully. 2. Summary generated successfully. 3. The Audit file can be saved to the desktop successfully. 4. Send to the media file generated successfully. 5. After all the things down, we can log out successfully.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	ST_009 Test whether OPLexmaple_0seats.csv can be uploaded successfully and exit successfully since there are no seats.
Team	4
Member(s) Responsible:	Yangjiawen Xu
Inputs:	OPLexample_0seats.csv

Tests:	1. Test whether the searching file GUI works well.
	2. Test whether the program will exit successfully since there are seats.
Outputs:	1. File input successfully.
	2. Message is printed to inform the user that there are no seats.
	3. Successful exit message printed out.
Passed or Failed	Pass
Date	2019-12-13

The PBI, the Task Description (from Sprint Log) with Unique Testing Number:	ST_010 Test whether OPLexmaple_overflow.csv can be uploaded successfully and exit successfully since there are no seats.
Team	4
Member(s) Responsible:	Yangjiawen Xu
Inputs:	OPLexample_overflow.csv

Tests:	1. Test whether the searching file GUI works well. 2. Test whether random results can be generated with a larger test file. (with break tie) 3. Test whether the audit file can generated, and saved to selected path through GUI. 4. Test can we send the file to the media. 5. Test can we log out successfully.
Outputs:	1. File input successfully. 2. Summary generated successfully. 3. The Audit file can be saved to the desktop successfully. 4. Send to the media file generated successfully. 5. After all the things down, we can log out successfully.
Passed or Failed	Pass
Date	2019-12-13