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Project Team# 5	Name	Project	1:	Voting	System			
Test Stage:	Unit	System <u>X</u>						
Test Case ID#: IR_001 Name(s) of Testers: Trevor								
Test Descrip	tion:							
IR test Descri example file g the winner to should be cre								
			(what file	where are you storin ) and the name of the unctions being used	e			
				le is "IR.txt" and it is s rectory inside our repo				
Automated:	yes	no <u>X</u>						
Results: Pas	ss <u>X</u>	Fail						
Preconditions	Preconditions for Test: The "IR.txt" exists and is correctly formatted.							

Ste			Expected Result	Actual	Notes
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "IR.txt" into the search bar.	The system should accept the file and run the election. A winner will be displayed to the GUI.	The election run was successful. Rosen won the election and his name and party were displayed on the GUI.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files	They should both contain their relevant information.	Upon opening them, both files contained the needed information.	

The GUI displays text that tells some information about the election. It shows that the election was an IR election. It also shows the number of ballots cast and the number of candidates that ran during the election. Finally, the winner, their party, and their votes are displayed.

Project Na Team# 5	me:	Project	1:	Voting	System
Test Stage: Unit	System <u>X</u>	Test	Date: 3/1	4/2021	
Test Case ID#: IR_002		Nam	e(s) of Te	sters: Trevor	
Test Description:					
IR test Description with a results in a 4 way tie after distribution. I will run this to ensure that a winner is due to the tiebreakers.	omly India (wha	t file) and	e are you storing I the name of the ions being used	9	
				"IR4way.txt" and directory of our re	
Automated: yes	no <u>X</u>				
Results: Pass X	Fail				
Preconditions for Test:	The "IR4wayti	e.txt" exists ar	nd is corre	ctly formatted.	

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
١ .	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "IR4way.txt" into the search bar.	The system should accept the file and run the election. A random winner will be displayed to the GUI. This occurs because of the four way tie.	The election was run multiple times and a different winner was chosen on different runs. This implies that the winner chosen is random which is good.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files	They should both contain their relevant information.	Upon opening them, both files contained the needed information.	

The GUI displays text that tells some information about the election. It shows that the election was an IR election. It also shows the number of ballots cast and the number of candidates that ran during the election. Finally, the winner, their party, and their votes are displayed.

Project N Team# 5	lame:	Project	1:	Voting	System
Test Stage: Unit	System <u>X</u>	Test	Date: 3/	14/2021	
Test Case ID#: IR_00	3	Nam	ne(s) of Te	esters: Trevor	
Test Description:					
IR test Description with results in a 2 way tie a distribution. A winner s random using the flipC	fter the vote hould be chose				
		(wha	at file) and	e are you storing d the name of the ions being used	<b>e</b>
		loca		"IR2waytie.txt" ar /testing directory o	
Automated: yes	no <u>X</u>				
Results: Pass X	Fail				
Preconditions for Tes	t: The "IR2wayt	tie.txt" exists ar	nd is corre	ctly formatted.	

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Use "java	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "IR2waytie.txt" into the search	The system should accept the file and run the election. A random winner will be displayed to the GUI. This occurs because of the four way tie.	The election was run multiple times and a different winner was chosen on different runs. This implies that the winner chosen is random which is good.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files	They should both contain their relevant information.	Upon opening them, both files contained the needed information.	

The GUI displays text that tells some information about the election. It shows that the election was an IR election. It also shows the number of ballots cast and the number of candidates that ran during the election. Finally, the winner, their party, and their votes are displayed.

Project Nan Team# 5	ne: Pro	ject	1:	Voting	System
Test Stage: Unit	System <u>X</u>	Test	Date: 3/14	/2021	
Test Case ID#: IR_004		Nam	e(s) of Tes	ters: Trevor	
Test Description:					
IR test Description with a results in a ballot being de ballot is owned by candida alternate vote being place Candidate 1 is eliminated candidate 4 is eliminated. ballot in question to be defor no more candidates.	eleted. The original ate 4 with the only ed for candidate 1. first. Then, This causes the				
		(wha	t file) and t	are you storing the name of the ns being used	9
		locate	ed in the /te sitory. The e	Reliminateballonesting directory or contine system is	of our
Automated: yes	no <u>X</u>				
Results: Pass X	Fail				
Preconditions for Test: T	The "IReliminateball	ot.txt" ex	ists and is	correctly format	ted.

Cto			Expected	Actual	
Ste p	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "IReliminateballot .txt" into the search bar.	The GUI will display information regarding the winner of the election. Upon checking the audit file we can see that the ballot was lost after candidate 4 is eliminated.	The GUI displayed the relevant information and the audit file did indicate that the ballot was deleted. This was a success.	
4	Check for Media/Audit File	Open the /src directory and search for the media and audit files that have been generated.	They should both contain their relevant information.	Upon opening them, both files contained the needed information.	

The GUI displays text that tells some information about the election. It shows that the election was an IR election. It also shows the number of ballots cast and the number of candidates that ran during the election. Finally, the winner, their party, and their votes are displayed.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit	System <u>X</u>	Test	Date: 3/1	4/2021	
Test Case ID#: OP	L_001	Nam	e(s) of Te	sters: Trevor	
Test Description:					
OPL election test wi copied off the exam					
		(wha	t file) and	e are you storing the name of the ons being used.	9
				OPL.txt" and it is ectory of our repo	
Automated: yes_	no <u>X</u>				
Results: Pass <u>X</u>	Fail	_			
Preconditions for T	est: The "OPL.txt"	exists and is o	orrectly fo	rmatted.	

Ste			Expected	Actual	
p	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "OPL.txt" into the search bar.	The system should accept the file input and run the election. The winners of seats should be shown to the screen.	The election was successfully run. All winners were displayed to the screen.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files.	They should both contain their relevant information.	Upon opening them, both files contained the needed information including intermediate test descriptions.	

The GUI displays the names and parties of all candidates that were awarded a seat. The media and audit files were created. The information in the media file matches the information that is displayed to the user via the GUI. The audit file contains information regarding intermediate steps including vote assignments and seat awards.

Both the audit and media files are created and stored in the /src directory. The system has not changed.

Project Name: Team# 5	Project	1:	Voting	System
Test Stage: Unit System 2	<u>X</u> Test	Date: 3/1	4/2021	
Test Case ID#: OPL_002	Nan	ne(s) of Te	sters: Trevor	
Test Description:				
OPL election test in which a party wi seats than it has candidates to assig to. It needs to reassign seats to a dif party.	ın them			
	(wh	at file) and	e are you storing the name of the ons being used	9
	and		OPLTOOMANYS	
Automated: yes no <u>X</u>				
Results: Pass X Fail				
Preconditions for Test: The "OPLTO	OOMANYSEATS	S.txt" exists	and is correctly	formatted.

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "OPLTOOMANY SEATS.txt" into the search bar.	, ,	The election was successfully run. All winners were displayed to the screen.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files.	They should both contain their relevant information. The media file should show that a seat was temporarily awarded and then redistributed.	Upon opening them, both files contained the needed information including intermediate test descriptions.	

The GUI displays the names and parties of all candidates that were awarded a seat. The media and audit files were created. The information in the media file matches the information that is displayed to the user via the GUI. The audit file contains information regarding intermediate steps including vote assignments and seat awards.

Audit and media files are created and stored in the /src directory.

Project Name: Team# 5	Project	1:	Voting	System		
Test Stage: Unit System <u>X</u>	Test	: Date: 3/	14/2021			
Test Case ID#: OPL_003	Nan	ne(s) of Te	esters: Trevor			
Test Description:						
OPL Election test in which a party is awarded a seat. However, the top 2 candidates in that party are tied so a tiebreaker must be used to determine who gets the seat. File will be passed in multiple times to ensure the tiebreaker is random.						
	(what	at file) and	re are you storing d the name of the dions being used	e		
	_		"OPLTIE.txt" and directory of our re			
Automated: yes no <u>X</u>						
Results: Pass X Fail						
Preconditions for Test: The "OPLTIE	.txt" exists and	is correct	ly formatted.			

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "OPLTIE.txt" into the search bar.	The system should accept the file input and run the election. The winners of seats should be shown to the screen.	The election was successfully run. All winners were displayed to the screen. Multiple runs resulted in differing winners which is good.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files.	They should both contain their relevant information. The audit file should indicate that a tie has occurred.	Upon opening them, both files contained the needed information including intermediate test descriptions. Audit file showed that a tie occurred.	

The GUI displays the names and parties of all candidates that were awarded a seat. The media and audit files were created. The information in the media file matches the information that is displayed to the user via the GUI. The audit file contains information regarding intermediate steps including vote assignments and seat awards.

Audit and Media files were created and placed in the /src directory.

Project Name: Team# 5	Project	1:	Voting	System
Test Stage: Unit System <u>X</u>	Test	Date: 3/1	4/2021	
Test Case ID#: OPL_004	Nam	e(s) of Te	sters: Trevor	
Test Description:				
OPL Election in which there are more s available than candidates running.	seats			
	(wha	t file) and	e are you storing the name of the ons being used	9
	and		OPLTOOMANYS	
Automated: yes no <u>X</u> _				
Results: Pass X Fail	<u> </u>			
Preconditions for Test: The "OPLTOC	DMANYSEATS	2.txt" exist	ts and is correctly	/ formatted.

Ste p #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1	Compile all files.	Open terminal. Use javac to compile /src files.	Compiles with no errors	Compiles with no errors	
2	Run the application	Open terminal. Navigate to the working directory. Use "java SunshineApp.jav a" to run the application	GUI should pop up on the user's screen with a window to input the file name.	GUI popped up on the user's screen with a window to input the file name.	
3	Enter the File containing election information	Where prompted by the GUI, enter "OPLTOOMANY SEATS2.txt" into the search bar.	The system should accept the file input and run the election. The winners of seats should be shown to the screen. There will be an extra seat	The election was successfully run. All winners were displayed to the screen.	
4	Check for Media/Audit File	Open the /src directory and search for the audit and media files.	They should both contain their relevant information. The media file should show that a seat was temporarily awarded and then redistributed.	Upon opening them, both files contained the needed information including intermediate test descriptions.	

The GUI displays the names and parties of all candidates that were awarded a seat. The media and audit files were created. The information in the media file matches the information that is displayed to the user via the GUI. The audit file contains information regarding intermediate steps including vote assignments and seat awards.

Audit and media files are created and stored in the /src directory

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit	t _X_ System _	_ Test	Date: 3/	14/2021	
Test Case ID#:	SUNSHINE_TEST	_001 Nan	ne(s) of Te	esters: Tom	
Test Description:	:				
Unit test for the Su constructor is test	unshineApp Class. ed.	The			
		(wh	at file) and	e are you storing the name of the ions being used	e
		it is		"TestSunshineAp the /src directory	
Automated: yes	X no				
Results: Pass _	X Fail				
Preconditions for "SunshineApp.java"	Test: The environr and "TestSunshine"			ly for JUnit testing	g. The

Ste p #	Test Step Description	Test Data		Actual Result	Notes
1	Compile all files.	- P	Compiles with no errors	Compiles with no errors	
2	Run the Unit Test	Use the Junit framework to run	Junit should respond with a green "Passed" message	Junit responded that the unit test was passed.	

The Junit GUI has displayed a "Passed" message. The system has not changed.

Project Name: Team# 5	Project	1:	Voting	System
Test Stage: Unit _X_ Syst	em Tes	t Date: 3/	14/2021	
Test Case ID#: CANDIDATE_1	TEST_001 Nar	ne(s) of Te	esters: Tom	
Test Description:				
Unit test for the Candidate Class constructor is tested. Also tested getName(), getParty(), getBallot getNumBallots(), and getParty()	d are s(),			
	(wh	at file) an	re are you storin d the name of th tions being used	e
			"TestCandidate.ja /src directory of o	
Automated: yes_X no_	_			
Results: Pass X Fail_				
Preconditions for Test: The enduction of the conditions of the con	•	red correc	tly for JUnit testin	g. The

Ste	Took Store	Toot		Actual Result	Notes
р 	Test Step	Test	rtooun	room	110100
#	Description	Data			
1		- P - · ·	Compiles with no errors	Compiles with no errors	
2		Use the Junit framework to run the unit test.	Junit window should show a "Passed" message	Junit showed a "Passed" message	

The Junit GUI has displayed a "Passed" message. The system has not changed.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit	t _X_ System	Tes	t Date: 3/	14/2021	
Test Case ID#: C	CANDIDATE_TEST	Γ_002 <b>N</b> an	ne(s) of Te	esters: Tom	
Test Description	:				
	andidate Class. Th is tested. Also tes				
		(wh	at file) and	e are you storing d the name of the ions being used	e
				"TestCandidate.ja /src directory of o	
Automated: yes	<u>X</u> no				
Results: Pass _	X Fail				
Preconditions for "Candidate.java" ar		_	red correc	tly for JUnit testin	ng. The

Ste p #	Test Step Description	Test Data		Actual Result	Notes
1	Compile all files.	- P - · ·	Compiles with no errors	Compiles with no errors	
2	Run the Unit Test	Use the Junit framework to run the unit test.	Junit window should show a "Passed" message	Junit showed a "Passed" message	

The Junit framework displayed a pass message. The system has not changed.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit _	_X_ System	Tes	t Date: 3/	14/2021	
Test Case ID#: CA	NDIDATE_TEST_	003 Nan	ne(s) of To	esters: Tom	
Test Description:					
Unit test for the CandeleteBallot function getNumBallots(), addigetBallots().	is tested. Also tes	eted is			
		(wh	at file) an	re are you storing d the name of the tions being used	e
				"TestCandidate.ja /src directory of o	
Automated: yes	<u>X</u> no				
Results: Pass X	Fail				
Preconditions for To "Candidate.java" and			red correc	tly for JUnit testing	g. The

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1		- P	Compiles with no errors	Compiles with no errors	
2		Use the Junit framework to run the unit test.	Junit window should show a "Passed" message	Junit showed a "Passed" message	

The Junit framework indicated that the test was passed. The system has not changed.

Project Name: Team# 5	Project	1:	Voting	System		
Test Stage: Unit _X_ System	Test	Date: 3/	14/2021			
Test Case ID#: BALLOT_TEST_001	Nam	Name(s) of Testers: Tom				
Test Description:						
Unit test for the Ballot Class. The Ballot constructor is tested. Also tested is getChoices().	ot					
	(wha	t file) an	re are you storing d the name of the tions being used	e		
			"TestBallot.java" a /src directory of o			
Automated: yes <u>X</u> no						
Results: Pass X Fail						
Preconditions for Test: The environm "Ballot.java" and "TestBallot.java" exist.	ent is configur	ed correc	tly for JUnit testing	g. The		

Ste p #	Test Step Description	Test Data		Actual Result	Notes
1	Compile all files.	- P - · ·	Compiles with no errors	Compiles with no errors	
2	Run the Unit Test	Use the Junit framework to run the unit test.	Junit window should show a "Passed" message	Junit showed a "Passed" message	

The Junit framework indicated that the test was passed. The system has not changed.

oject 1: Voting System					
Test Date: 3/14/2021					
Name(s) of Testers: Tom					
Unit test for the Ballot Class. The getChoices() function is tested.					
Indicate where are you storing the tests (what file) and the name of the method/functions being used.					
The test file is "TestBallot.java" and it is located in the /src directory of our repository.					
s configured correctly for JUnit testing. The					

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1			Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

The Junit framework indicated that the test was passed. The system has not changed.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Uni	t <u>X</u> System _	_ Test	Date: 3/1	14/2021	
Test Case ID#: OPL_TEST_PRO	OCESS_FILE_001	Nam	e(s) of Te	sters: Cole	
Test Description	:				
for the opl election gets the number of	hat it properly creat	operly			
		(wha	it file) and	e are you storing I the name of the ions being used	9
		Test	OplElection	ssFile is stored in n class in src, and	
		meu	lods from	OplElection.	
Automated: yes	s_ <u>X</u> _ no	meu	lods from	OplElection.	
Automated: yes  Results: Pass _			lods from	OplElection.	
			lods from	OplElection.	

Ste			•	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call processFile() method		f	processFile runs with no errors	
	Check that the file was processed correctly		correctly assigns the number of	processFile correctly assigns the number of balltos, seats, candidates, etc.	

The correct number of seats, ballots, candidates are obtained, as well as creating the proper Candidate objects and adding them to their correct party.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit	t <u>X</u> System	Tes	Date: 3/	14/2021	
Test Case ID#: OPL_TEST_CON	STRUCTOR_001	Nan	ne(s) of Te	esters: Cole	
Test Description:	:				
Tests that the con- an OplElection ob- variables properly	ject and assigns th				
		(wh	at file) and	re are you storing d the name of the ions being used	e
		the	TestOplEle	nBallots method is ection class in src, OplElection.	
Automated: yes	_ <u>X</u> _ no				
Results: Pass _	<u>X</u> Fail				
Preconditions for Candidate.java, and TestIrElection.java.	•		•	•	•

Step	Test Step	Test	Expected	Actual	
#	Description	Data	Result	Result	Notes
1	Create OpIElection Object		myElection is not null	myElection is not null	
	Check that file assigns class variables		read and assigns	The file is properly read and assigns the right values	

Creates the candidates properly and is able to correctly assign ballots to those candidates.

Project Team# 5	Name:	Project	1:	Voting	System
	X System	Test	Date: 3/	14/2021	
Test Case ID#: OPL_TEST_ASSI	GN_BALLOTS_001	l <b>N</b> am	e(s) of To	esters: Cole	
Test Description:					
		(wha	nt file) an nod/funct	re are you storing d the name of the tions being used	e
			=	on class in src, and ethod from OplEle	
Automated: yes_	_ <u>X</u> _ no				
Results: Pass	<u>X</u> Fail	<u> </u>			
			_		
	<b>Test:</b> JUnit compile ist. The "OPL.txt" file		-	-	Election.java.

Ste			Expected	Actual	
p	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call processFile() method		l	The file is properly processed	
3	Check that candidates were created and ballots assigned		were properly created and	The candidates were properly created and assigned the proper ballots	

The proper candidates were created and assigned to the right party, with the correct ballots assigned to each candidate.

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit	t <u>X</u> System _	Test	Date: 3/	14/2021	
Test Case ID#: OPL_TEST_RUN	_ELECTION_001	Nam	e(s) of Te	esters: Cole	
Test Description:	:				
	Election method in properly and correc	tly runs			
		(wha	t file) an	re are you storing d the name of the tions being used	9
		Test	OplElection	lection method is son class in src, and OplElection.	
Automated: yes	_ <u>X</u> _ no				
Results: Pass _	<u>X</u> Fail				
Preconditions for Party.java, and Car TestOplElection.jav	ndidate.java exist.		•	•	•

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call runElection() method		"	runElection() runs and doesn't throw any errors	
3	Check that correct winners are declared		The correct winners are declared	The correct winners are declared	

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit X	System	Test	Date: 3/1	4/2021	
Test Case ID#: OPL_TEST_RUN_E	LECTION_TIE_00	)1 Nam	e(s) of Te	sters: Cole	
Test Description:					
Runs an OPL election tie within a party that coin flip is used to de candidate is awarded	was awarded a setermine which				
		(wha	t file) and	e are you storing the name of the ons being used	9
		the T	estOplEled	ectionTie method ction class in src, OplElection.	
Automated: yes>	<u>C</u> no				
Results: Pass X	Fail				
Preconditions for Te Party.java, and Candid TestOplElection.java.	•		•	•	•

Ste			Expected	Actual	
p	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call runElection() method		runElectionTie() runs and doesn't throw any errors	runElectionTie() runs and doesn't throw any errors	
	Check that correct winners are declared	OPLTie.txt	The correct winners are declared	The correct winners are declared	

ı	Project Team# 5	Name:	Project	1:	Voting	System
	Test Stage: Unit	X System	Test	Date: 3/	14/2021	
	Test Case ID#: OPL_TEST_TOOM	MANYSEATS_00 <sup>2</sup>	1 Nam	e(s) of Te	esters: Cole	
	Test Description:					
	Runs an OPL elect awarded more seat candidates. The seat other parties.	its than they have				
			(wha	t file) an	re are you storing d the name of the tions being used	9
			is sto	ored in the	lectionTooManySe TestOplElection nods from OplElec	class in src,
	Automated: yes_	<u>X</u> no				
	Results: Pass	<u>X</u> Fail				
	Preconditions for Party.java, and Can same directory as T	didate.java exist.	The "OPLTOOM	-	•	-

Ste		Expec		Actual	N-4
р	Test Step Test		Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call runLiection()		runElectionTooMan ySeats() runs and doesn't throw any errors	runElectionTooManySeats( ) runs and doesn't throw any errors	
3	Check that correct winners are declared	OPLTOOMAN YSEATS.txt	The correct winners are declared	The correct winners are declared	

Team	Project n# 5	Name:	Project	1:	Voting	System
Test S	Stage: Unit	X Syste	m Te	st Date: 3	/14/2021	
	Case ID#: TEST_TOOM	MANYSEATS2	_001 Na	ame(s) of T	esters: Cole	
Test D	escription:					
availal		tion where ther n candidates a led a seat.				
			(w	hat file) an	re are you storin Id the name of th tions being used	е
			m cla	ethod is sto	ElectionTooManySered in the TestOpland uses methods	Election
Autom	ated: yes_	<u>X</u> no	_			
Result	s: Pass	X Fail				
Party.ja	va, and Can		ist. The "OPLTO	-	Election.java, OplE ATS2.txt" file is pla	-

Ste		_	Expected Result	Actual	Notes
р	Test Step Test Resul		Result	Result	Notes
#	Description	Data			
1	Create OplElection object		myElection is not null	myElection is not null	
2	Call runElection() method	OPLTOOMAN	runElectionTooMan ySeats() runs and doesn't throw any errors	s() runs and ) runs and doesn't throw any errors	
3	Check that correct winners are declared	OPLTOOMAN YSEATS2.txt	The correct winners are declared		

Project Team# 5	Name:	Project	1:	Voting	System			
Test Stage:	Unit X System	n	Test Date: 3/	14/2021				
Test Case ID	#: PARTY_TEST_00	)1	Name(s) of T	esters: Cole				
Test Descrip	tion:							
	structor of the party c iables are properly as							
			(what file) an	re are you storing of the name of the tions being used.	)			
				tructor method is siss in src and uses r				
Automated:	yes <u>X</u> no							
Results: Pa	ss <u>X</u> Fail							
Precondition	Preconditions for Test: JUnit compiles properly and TestParty.java, Party.java, exist.							

Ste p #	Test Step Description	Test Data	•	Actual Result	Notes
1 4	Create Party object		Party name X is created	Party name X is created	

Project Name: Team# 5	Project	1:	Voting	System
Test Stage: Unit <u>X</u> System _	_ Test	Date: 3/1	4/2021	
Test Case ID#: PARTY_TEST_002	Name	e(s) of Te	sters: Cole	
Test Description:				
Tests that addCandidate() method wo and that a candidate is properly adde				
	los altos	-4		Al 44-
	(wha	t file) and	e are you storing the name of the ons being used	9
		estParty c	ndidate method i lass in src and us	
Automated: yes <u>X</u> no				
Results: Pass X Fail				
Preconditions for Test: JUnit compile Candidate.java exist.	es properly and	TestParty.	java, Party.java,	

Cto			Expected	Actual	
Ste p	Test Step	Test	Result	Result	Notes
#	Description	Data			
			myParty is not null	myParty is not null	
1 4	Create Party object	char X			
2		Candidate(John,	properly adds the	addCandidate properly adds the candidate to the ArrayList	

The candidate was added to the ArrayList in Party.

Project Name: Team# 5	Project	1:	Voting	System
Test Stage: Unit X System	Tes	Date: 3/	14/2021	
Test Case ID#: PARTY_TEST_00	3 Nan	ne(s) of Te	esters: Cole	
Test Description:				
Tests that the rankCandidates meth works properly, and orders the candorder based on their amount of vote	didates in			
	(wh	at file) and	re are you storing d the name of the ions being used	9
	in th		Candidates metho ty class in src and Party	
Automated: yes_X_ no				
Results: Pass X Fail				
Preconditions for Test: JUnit comp Candidate.java exist.	oiles properly and	l TestParty	/.java, Party.java,	

Ste p	Test Step	Test	Expected Result	Actual Result	Notes
#	Description	Data			
1	Create Party object	char X	myPartyn is not null	myParty is not null	
2	them to Party		Candidates are properly added to the party	Candidates are properly added to the party	
3	Call rankCandidates method	party.candidates	The candidates are ranked in correct order	The candidates are ranked in the correct order.	

The candidates in the Party are ranked in the correct order according to their amount of ballots

Project Team# 5	Name:	Project	1:	Voting	System
Test Stage: Unit )	<u>X</u> System	. Test	Date: 3/1	4/2021	
Test Case ID#: PAI	RTY_TEST_004	Nam	e(s) of Te	sters: Cole	
Test Description:					
Tests that the getter remainder works pro					
		(wha	t file) and	e are you storing the name of the ons being used	9
		store		SetterRemainder estParty class in s Party	
Automated: yes	<u>X</u> no				
Results: Pass X	Fail				
Preconditions for To	est: JUnit compile	s properly and	TestParty.	java, Party.java ε	exist.

			Expected	Actual	
Ste p	Test Step	Test	Result	Result	Notes
#	Description	Data			
1	Create Party object	char X	myParty is not null	myParty is not null	
2	Call setRemainder and getRemainder	6	setRemainder and getRemainder properly work	setRemainder and getRemainder properly work	

setRemainder and getRemainder properly work.

Project Team# 5	Name:	Project	1:	Voting	System			
Test Stage: Unit	X System	_ Test	Date: 3/	14/2021				
Test Case ID#: PA	ARTY_TEST_005	Nam	ne(s) of Te	esters: Cole				
Test Description:								
Tests that addSeat work.	Tests that addSeats and addSeat methods work.							
		Indi	cate wher	e are you storing	n the tests			
		(wha	at file) and	d the name of the ions being used	9			
		Test		eats method is sto s in src and uses				
Automated: yes_	_X no							
Results: Pass	XFail							
Preconditions for	Test: JUnit compile	s properly and	TestParty	∴java, Party.java €	exist.			

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
			myParty is not null	myParty is not null	
1 4	Create Party object	char X			
1 ~	Call addSeats() and addSeat()		addSeat() both add	addSeats() and addSeat() both add the correct number of seats	

Both addSeats() and addSeat() add the correct number of seats to the total.

Project Name: Team# 5	Project	1:	Voting	System			
Test Stage: Unit <u>X</u> Sys	tem Tes	t Date: 3/	14/2021				
Test Case ID#: PARTY_TEST	_006 Nar	ne(s) of Te	esters: Cole				
Test Description:							
Tests that assignSeats() method works and properly declares winners for the party.							
	Indi	ooto who	o are veu eterine	a the tests			
	(wh	at file) and	e are you storing d the name of the ions being used	e			
	Tes	_	Seats method is in src and uses				
Automated: yes <u>X</u> no	_						
Results: Pass X Fai							
-							
<b>Preconditions for Test:</b> JUnit Candidate.java exist.	ompiles properly and	d TestParty	r.java, Party.java				

Ste			Expected	Actual	
p	Test Step	Test	Result	Result	Notes
#	Description	Data			
			myParty is not null	myParty is not null	
1	Create Party object	char X			
2	Create Candidate objects and add them to the party	Candidate(Jolly,	The candidates are properly created and added to the party	The candidates are properly created and added to the party	
3	Call the assignSeats() method		The correct candidate is awarded a seat	The correct candidate is awarded a seat	

The correct candidate was awarded the seat in the party.

Project Nai Team# 5	me: P	roject	1:	Voting	System
Test Stage: Unit <u>X</u>	System	Test	Date: 3/14	4/2021	
Test Case ID#: IR_TEST_CONSTRUCT	OR_001	Name	e(s) of Tes	ters: loana	
Test Description:					
Tests that the runElection IrElection runs properly a the election.					
		(wha	t file) and	are you storing the name of the ons being used	)
		Testli		ction method is s ass in src, and ι Election.	
Automated: yes <u>X</u>	no				
Results: Pass <u>X</u>	Fail				
Preconditions for Test: Candidate.java exist. The	•			•	•

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1			Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Project Name: Pr Team# 5	oject 1: Voting System
Test Stage: Unit <u>X</u> System	Test Date: 3/14/2021
Test Case ID#: IR_TEST_PROCESS_FILE_001	Name(s) of Testers: Ioana
Test Description:	
Tests that the runElection method in IrlElection runs properly and correctly runs the election.	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used.
	The testRunElection method is stored in the TestIrElection class in src, and uses methods from IrElection.
Automated: yes <u>X</u> no	
Results: Pass X Fail	
-	perly and TestIrElection.java, IrElection.java, and d in the same directory as TestIrElection.java.

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1			Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Project Nar Team# 5	ne: Pro	ject	1:	Voting	System
Test Stage: Unit <u>X</u>	System	Test	Date: 3/14	1/2021	
Test Case ID#: IR_TEST_ASSIGN_BAL	LOTS_001	Nam	e(s) of Tes	ters: loana	
Test Description:					
Tests that the runElection IrElection runs properly at the election.					
		(wha	t file) and	are you storing the name of the ons being used.	)
		Testl		ction method is s ass in src, and u Election.	
Automated: yes_X_	no				
Results: Pass X	Fail				
Preconditions for Test: J Candidate.java exist. The "		-		-	-

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1			Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Te	Project am# 5	Name:	Project	1:	Voting	System			
Te	st Stage: Unit	<u>X</u> System	Tes	t Date: 3/14	I/2021				
_	st Case ID#: _TEST_RUN_EL	ECTION_001	Nan	ne(s) of Tes	ters: Ioana				
Te	st Description:								
IrE	Tests that the runElection method in IrElection runs properly and correctly runs the election.								
	Indicate where are you storing the tests (what file) and the name of the method/functions being used.								
			Test		ass in src, an	is stored in the d uses			
Aut	tomated: yes_	<u>X</u> no							
Res	sults: Pass <u> </u>	<u>(</u> Fail							
1	econditions for 1 ididate.java exist.				-				
04-			Expected	Actual					
Ste p	Test Step	Test	Result	Result		Notes			
#	Description	Data							

1	1000	Compiles with no errors	Compiles with no errors	
2	Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Project Team# 5	Name:	Project	1:	Voting	System		
Test Stage: Unit	X System _	_ Test	Date: 3/1	14/2021			
Test Case ID#: IR_TEST_RUN_EL	ECTION_2WAYT	IE_001 Nam	e(s) of Te	sters: Ioana			
Test Description:							
Tests that the runElection method in IrElection runs properly and correctly runs the election.							
		(wha	at file) and	e are you storing I the name of the ions being used.	9		
		Test	rElection of	ection method is s class in src, and u IrElection.			
Automated: yes_	<u>X</u> no						
Results: Pass	X Fail						
Preconditions for Candidate.java exist				-	-		

Ste p	Test Step	Test	•	Actual Result	Notes
#	Description	Data			
1		1000	Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Project Name: Team# 5	Project 1	: Voting	System
Test Stage: Unit X System _	_ Test Date	e: 3/14/2021	
Test Case ID#: IR_TEST_ELIMINATE_BALLOT_00	1 Name(s)	of Testers: Ioana	
Test Description:			
Tests that the runElection method in IrElection runs properly and correctly the election.	runs		
	(what file	where are you stori e) and the name of the functions being use	he
	TestIrEle	RunElection method is ction class in src, and from IrElection.	
Automated: yes <u>X</u> no			
Results: Pass X Fail			
Preconditions for Test: JUnit compil Candidate.java exist. The "IR.txt" file is	• •	•	•

Ste			Expected	Actual	
р	Test Step	Test	Result	Result	Notes
#	Description	Data			
1			Compiles with no errors	Compiles with no errors	
2		Use the Junit	Junit window should show a "Passed" message	Junit showed a "Passed" message	

Project N Team# 5	lame:	Project	1:	Voting	System
Test Stage: Unit <u>X</u>	System	Test	Date: 3/1	4/2021	
Test Case ID#: TEST_AUDIT_SERVI	CE_001	Namo	e(s) of Te	sters: Ioana	
Test Description:					
Tests that the runElect IrElection runs properlithe election.		ns			
		(wha	t file) and	e are you storing I the name of the ons being used.	)
		TestIr	Election	ection method is s class in src, and u IrElection.	
Automated: yes <u>X</u>	_ no				
Results: Pass X	Fail				
Preconditions for Tes Candidate.java exist. Th		•		•	-

Ste p #	Test Step Description	Test Data		Actual Result	Notes
1		• P • · ·	Compiles with no errors	Compiles with no errors	
2		framework to run	Junit window should show a "Passed" message	Junit showed a "Passed" message	