Project Name: Project 1: Voting System	Team#11
Test Stage: Unit Testing	Test Date: 3/22/24 Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,
Test Case ID#: UC 001	Wendell Relacion
Test Description: Testing from testing/Ballot_Unittest.cpp. Testing TEST_F(BallotTest, GetVotes). This checks to see if the correct amount of votes is actually returned from the getVotes() function.	
Notes:	
Comment every other TEST_F other than TEST_F(BallotTest,	
GetVotes). Additionally, when in the terminal cd into the testing folder.	
	Indicate where are you storing the tests (what file) and the name of the method/functions being used.
Automated: Yes	<u> </u>
Results: Pass	

Precondi	itions 1	for T	est:
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Ballot object is created and initialized.

Step # 1	Test Step Description	Test Data	1 1	Actual Result	Notes
1	Run g++ -o my_tests Ballot_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing **Test Date: 3/22/24** Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang, Test Case ID#: UC 002 Wendell Relacion Test Description: Testing from testing/Ballot Unittest.cpp. Testing TEST F(BallotTest, SetVotes). This checks to see if the setVotes function is properly setting the vote for the ballot object Notes: Comment every other TEST F other than TEST F(BallotTest, SetVotes). Additionally, when in the terminal cd into the testing folder. Indicate where are you storing the tests (what file) and the name of the method/functions being used. **Automated: Yes Results: Pass**

Preconditions for Test:

Ballot object is created and initialized.

Step #	Test Step Description	Test Data		Actual Result	Notes
1					
1	Run g++ -o my_tests Ballot_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Case ID#: UC 003

Test Description: Testing from testing/Ballot_Unittest.cpp.
Testing TEST_F(BallotTest, IncrementVotes). This checks to see if the incrementVotes function is properly incrementing by 1 for a ballot object.

Notes:

Comment every other TEST_F other than TEST_F(BallotTest, IncrementVotes). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Ballot object is created and initialized.

Step #	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Ballot_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

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Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, GetCandidateName). This function checks to see if the getCandidateName() function returns the string name for the candidate.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, GetCandidateName). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Test Case ID#: UC 004

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
2	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC_005

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, SetCandidateName). This function checks to see if the setCandidateName() function properly assigns a string name to a candidate object.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, SetCandidateName). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
2	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC_006

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, GetParty). This function checks to see if the getParty() function properly returns the party object that was assigned to that candidate

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest,GetParty). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
1					
2	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC_007

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, SetParty). This function checks to see if the setParty() function is properly setting the party

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object.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, SetParty). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Case ID#: UC 008

Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, GetPartyName). This function checks to see if the getPartyName() function properly returns the string PartyName for the candidate object

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest,getPartyName). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Automated: Yes

Results: Pass

Preconditions for Test:

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
1					
2	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Test Date: 3/22/24

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Post condition(s) for Test:

Test Case ID#: UC 009

Test Description: Testing from testing/Candidate_Unittest.cpp. Testing TEST_F(CandidateTest, SetPartyName). This function checks to see if the SetPartyName() function properly sets the party name of the candidate object by taking in the string name.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, SetPartyName). Additionally, when in the terminal cd into the testing folder.

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Candidate and party are initialized with test values.

Step #	Test Step Description	Test Data		Actual Result	Notes
1					
2	Run g++ -o my_tests Candidate_Unittest.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Case ID#: UC 010 **Test Description:** Testing from

testing/CandidateOPL Unittesting.cpp. Testing

TEST F(CandidateTest, GetRankingCandidates). This function checks to see if the GetRankingCandidates() function properly gets the rankings of the candidateOPL object by returning integer rankingCandidates.

Notes:

Comment every other TEST F other than TEST F(CandidateTest, GetRankingCandidates). Additionally, when in the terminal cd into the testing folder.

> Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Automated: Yes

Results: Pass

Preconditions for Test:

Ballot and candidate objects are initialized.

Step #	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests CandidateOPL_Unittestting.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Test Date: 3/22/24

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Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

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Test Case ID#: UC_011

Test Description: Testing from

testing/CandidateOPL_Unittesting.cpp. Testing

TEST_F(CandidateTest, SetRankingCandidates). This function checks to see if the SetRankingCandidates(int rankingCandidates) function properly sets the rankings of the candidateOPL objects.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, SetRankingCandidates). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Ballot and candidate objects are initialized.

Step # 1	Test Step Description	Test Data	l =	Actual Result	Notes
	Run g++ -o my_tests CandidateOPL_Unittestting.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

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Test Case ID#: UC_012

Test Description: Testing from

testing/CandidateOPL_Unittesting.cpp. Testing

TEST_F(CandidateTest, GetBallot). This function checks to see if the GetBallot() function properly gets the ballot associated with the candidate.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, GetBallot). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Ballot and candidate objects are initialized.

Step #	Test Step Description	Test Data	l =	Actual Result	Notes
	Run g++ -o my_tests CandidateOPL_Unittestting.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Case ID#: UC_013

Test Description: Testing from

testing/CandidateOPL_Unittesting.cpp. Testing

TEST_F(CandidateTest, SetBallot). This function checks to see if the SetBallot() function properly sets the ballot associated with the candidate.

Notes:

Comment every other TEST_F other than TEST_F(CandidateTest, SetBallot). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Ballot and candidate objects are initialized.

Step #	Test Step Description	Test Data	l =	Actual Result	Notes
	Run g++ -o my_tests CandidateOPL_Unittestting.cpp -lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing
Test Case ID#: UC_014

Test Description: Testing from testing/Party_Unittest.cpp. Testing TEST_F(PartyTest, GetPartyName). This function checks to see if the GetPartyName() function properly gets the name of the party object.

Notes:

Comment every other TEST_F other than TEST_F(PartyTest, GetPartyname). Additionally, when in the terminal cd into the testing folder.

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Party object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Party_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Case ID#: UC_015 Wendell Relacion

Test Description: Testing from testing/Party_Unittest.cpp. Testing TEST_F(PartyTest, SetPartyName). This function checks to see if the SetPartyName() function properly sets the name of the party object.

Notes:

Comment every other TEST_F other than TEST_F(PartyTest, SetPartyname). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Party object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Party_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Case ID#: UC_016

Test Description: Testing from testing/Party_Unittest.cpp. Testing TEST_F(PartyTest, GetCandidates). This function checks to see if the GetCandidates() function properly gets the candidate associated with the party object.

Notes:

Comment every other TEST_F other than TEST_F(PartyTest, GetCandidates). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Party object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Party_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC 017

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/Party_Unittest.cpp. Testing TEST_F(PartyTest, BallotFunctions). This function checks to see if the BallotFunctions() function properly performs the setVotes(), setBallots(), getBallots(), and also getVotes() functions.

Notes:

Comment every other TEST_F other than TEST_F(PartyTest, BallotFunctions). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Party object is properly initalized

Step		Test		Actual	
#	Description	Data	Result	Result	Notes
1					
	Run g++ -o my_tests Party_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing **Test Date: 3/22/24** Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang, Wendell Relacion Test Case ID#: UC 018 **Test Description:** Testing from testing/Party Unittest.cpp. Testing TEST F(PartyTest, RemainderFunctions). This function checks to see if the BallotFunctions() function properly performs the getRemainder() and setRemainder() functions. Notes: Comment every other TEST F other than TEST F(PartyTest, RemainderFunctions). Additionally, when in the terminal cd into the testing folder. Indicate where are you storing the tests (what file) and the name of the method/functions being used. **Automated: Yes Results: Pass**

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Precon	latuons	IOF	i est:

Party object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Party_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC 019

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Description: Testing from testing/Party_Unittest.cpp. Testing TEST_F(PartyTest, AllocatedSeatsFunctions). This function checks to see if the BallotFunctions() function properly performs the getAllocatedSeats() and setAllocatedSeats() functions.

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Notes:

Comment every other TEST_F other than TEST_F(PartyTest, AllocatedSeatsFunctions). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Party object is properly initalized

Step		Test		Actual	Notes
#	Description	Data	Result	Result	Notes
1					
	Run g++ -o my_tests				
	Party_Unittest.cpp -lgtest - lgtest_main -pthread				
2	Igtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					
_					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC 020

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/OPLParty_Unittest.cpp. Testing TEST_F(OPLPartyTest, CandidateVoteFunctions). This function checks to see if the CandidateVoteFunctions() function properly performs the getCandidateVote() and setCandidateVote() functions.

Notes:

Comment every other TEST_F other than TEST_F(OPLPartyTest, CandidateVoteFunctions). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

OPLParty and CandidateOPL objects are properly initalized

Step #	Test Step Description	Test Data		Actual Result	Notes
1	1				
	Run g++ -o my_tests OPLParty_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC_021

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Description: Testing from testing/OPLParty Unittest.cpp.

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Testing TEST_F(OPLPartyTest, SetCandidateRankings). This function checks to see if the SetCandidateRankings() function

properly sets the rankings of the candidate objects.

Notes:

Comment every other TEST_F other than TEST_F(OPLPartyTest, SetCandidateRankings). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

OPLParty and CandidateOPL objects are properly initalized

Step #	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests OPLParty_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Test Case ID#: UC 022

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/OPLParty_Unittest.cpp. Testing TEST_F(OPLPartyTest, GetRankings). This function checks to see if the GetRankings() function properly gets the rankings for the candidate objects.

Notes:

Comment every other TEST_F other than TEST_F(OPLPartyTest, GetRankings). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

OPLParty and CandidateOPL objects are properly initalized

Step #	Test Step Description	Test Data		Actual Result	Notes
1	•				
	Run g++ -o my_tests OPLParty_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Case ID#: UC_023

Test Description: Testing from testing/OPLParty_Unittest.cpp. Testing TEST_F(OPLPartyTest, AddOPLCandidate). This function checks to see if the AddOPLCandidate() function properly adds a candidate object to the candidates vector.

Wendell Relacion

Notes:

Comment every other TEST_F other than TEST_F(OPLPartyTest, AddOPLCandidate). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

OPLParty and CandidateOPL objects are properly initalized

Step #	Test Step Description	Test Data		Actual Result	Notes
1	•				
	Run g++ -o my_tests OPLParty_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Case ID#: UC_024

Test Description: Testing from testing/Seat_Unittest.cpp.
Testing TEST_F(SeatTest, GetSeats). This function checks to see

if the GetSeats() function correctly gets the seats object.

Notes:

Comment every other TEST_F other than TEST_F(SeatTest, GetSeats). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Seat object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Seat_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Case ID#: UC_025 Wendell Relacion

Test Description: Testing from testing/Seat_Unittest.cpp.
Testing TEST_F(SeatTest, SetSeats). This function checks to see

if the SetSeats() function correctly sets the seats object.

Notes:

Comment every other TEST_F other than TEST_F(SeatTest, SetSeats). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Seat object is properly initalized

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Seat_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: Unit Testing

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Test Case ID#: UC_026

Test Description: Testing from testing/Seat_Unittest.cpp.
Testing TEST_F(SeatTest, IncSeats). This function checks to see if the IncSeats() function correctly increments the seat variable in the seat object.

Notes:

Comment every other TEST_F other than TEST_F(SeatTest, IncSeats). Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

Seat object is properly initalized

Step #	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Seat_Unittest.cpp -lgtest - lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

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Post condition(s) for Test:

Test Stage: System Testing

Test Date: 3/22/24

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Case ID#: ST 01

Test Description: Testing from testing/systems_test. Testing

TEST F(ElectionSystemTest, RunOPLSystemTest).

This function checks to see if the run function properly works for

the case that the Ballot File is an election of type OPL.

Notes:

Comment every other TEST_F other than

TEST_F(ElectionSystemTest, RunOPLSystemTest).

Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

filename string is given a value of the csv file

Step # 1	Test Step Description	Test Data		Actual Result	Notes
	Run g++ -o my_tests Election_systemTest.cpp - lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test:

Test Stage: System Testing

Test Date: 3/22/24

Test Case ID#: ST 002

Name(s) of Testers: Arzab Bhattarai, Sam Bakri, Andy Wang,

Wendell Relacion

Test Description: Testing from testing/systems_test. Testing

TEST F(ElectionSystemTest, RunCPLSystemTest).

This function checks to see if the run function properly works for

the case that the Ballot File is an election of type CPL.

Notes:

Comment every other TEST_F other than

TEST_F(ElectionSystemTest, RunCPLSystemTest).

Additionally, when in the terminal cd into the testing folder.

Indicate where are you storing the tests (what file) and the name of the method/functions being used.

Automated: Yes

Results: Pass

Preconditions for Test:

filename string is given a value of the csv file

Step # 1	Test Step Description	Test Data	Expected Result	Actual Result	Notes
	Run g++ -o my_tests Election_systemTest.cpp - lgtest -lgtest_main -pthread				
3	Run ./my_tests		Pass	Pass	
4					

Post condition(s) for Test: