

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDET\_1a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the CPL string is retrieved from the FileData type when getElectionType() is called

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

Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated:** yes   x   no

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "CPL" as the election type	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
3	Assert that "CPL" is returned when cplInput01.getElectionType() is called	"CPL", cplInput01.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 3/22/2024

**Test Case ID#: FDET\_1b**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the CPL string is retrieved from the FileData type when getElectionType() is called**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated: yes** ☒ **no** ☐

**Results: Pass** ☒ **Fail** ☐

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "CPL" as the election type	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object Created successfully	
3	Assert that "CPL" is returned when cplInput02.getElectionType() is called	"CPL", cplInput02.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDET\_1c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the CPL string is retrieved from the FileData type when getElectionType() is called

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

Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "CPL" as the election type	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
3	Assert that "CPL" is returned when cplInput03.getElectionType() is called	"CPL", cplInput03.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDET\_1d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the OPL string is retrieved from the FileData type when getElectionType() is called

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "OPL" as the election type	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object Created successfully	
3	Assert that "OPL" is returned when oplInput04.getElectionType() is called	"OPL", oplInput04.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDET\_1e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the OPL string is retrieved from the FileData type when getElectionType() is called

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "OPL" as the election type	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object Created successfully	
3	Assert that "OPL" is returned when oplInput05.getElectionType() is called	"OPL", oplInput05.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDET\_1f

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the OPL string is retrieved from the FileData type when getElectionType() is called

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

Project1/src/test/java/FileDataTest.java  
getElectionType()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the string "OPL" as the election type	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object Created successfully	
3	Assert that "OPL" is returned when oplInput06.getElectionType() is called	"OPL", oplInput06.getElectionType()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct election type that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 3 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 3 as the number of seats	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object Created successfully	
3	Assert that 3 is returned when cplInput01.getNumberSeats is called	3 , cplInput01.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2b

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 0 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 0 as the number of seats	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object Created successfully	
3	Assert that 0 is returned when cplInput02.getNumberSeats is called	0 , cplInput02.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 3/22/2024

**Test Case ID#: FDNS\_2c**

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 10 is retrieved from the FileData type when getNumberSeat() is called

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

**Project1/src/test/java/FileDataTest.java**  
**getNumberSeat()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

**A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 10 as the number of seats	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
3	Assert that 10 is returned when cplInput03.getNumberSeats is called	10 , cplInput03.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 2 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 2 as the number of seats	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object Created successfully	
3	Assert that 2 is returned when oplInput04.getNumberSeats is called	2 , oplInput04.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 0 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 0 as the number of seats	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object Created successfully	
3	Assert that 0 is returned when oplInput05.getNumberSeats is called	0 , oplInput05.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 0 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 0 as the number of seats	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object Created successfully	
3	Assert that 0 is returned when oplInput05.getNumberSeats is called	0 , oplInput05.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDNS\_2f

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the integer 10 is retrieved from the FileData type when getNumberSeat() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberSeat()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has 10 as the number of seats	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object Created successfully	
3	Assert that 0 is returned when oplInput06.getNumberSeats is called	0 , oplInput06.getNumberSeats()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of seats that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNB\_3a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 10000 is retrieved from the FileData type when getNumberBallots() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberBallots()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 10000 as the number of Ballots	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
3	Assert that 10000 is returned when cplInput01.getNumberBallots() is called	10000 , cplInput01.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNB\_3b

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 1000 is retrieved from the FileData type when getNumberBallots() is called

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getNumberBallots()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 1000 as the number of Ballots	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
3	Assert that 1000 is returned when cplInput02.getNumberBallots() is called	1000 , cplInput02.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/24

**Test Case ID#:** FDNB\_3c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2000 is retrieved from the FileData type when getNumberBallots() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberBallots()

**Automated:** yes ☒ no

**Results:** Pass ☒ Fail

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2000 as the number of Ballots	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object was created successfully	
3	Assert that 2000 is returned when cplInput03.getNumberBallots() is called	2000 , cplInput03.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 3/22/24**

**Test Case ID#: FDNB\_3d**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the Integer 2000 is retrieved from the FileData type when getNumberBallots() is called**

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

**Project1/src/test/java/FileDataTest.java  
getNumberBallots()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test:**

**A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 10000 as the number of Ballots	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
3	Assert that 10000 is returned when oplInput04.getNumberBallots() is called	10000 , oplInput04.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/24

**Test Case ID#:** FDNB\_3e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2000 is retrieved from the FileData type when getNumberBallots() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberBallots()

**Automated:** yes ☒ no

**Results:** Pass ☒ Fail

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2000 as the number of Ballots	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
3	Assert that 2000 is returned when oplInput05.getNumberBallots() is called	2000 , oplInput05.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/24

**Test Case ID#:** FDNB\_3f

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2000 is retrieved from the FileData type when getNumberBallots() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberBallots()

**Automated:** yes ☒ no

**Results:** Pass ☒ Fail

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2000 as the number of Ballots	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
3	Assert that 2000 is returned when oplInput06.getNumberBallots() is called	2000 , oplInput06.getNumberBallots()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of ballots that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNP\_4a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 4 is retrieved from the FileData type when getNumberParties() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberParties()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 4 as the number of parties	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
3	Assert that 4 is returned when cplInput01.getNumberParties() is called	4 , cplInput01.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNP\_4b

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2 is retrieved from the FileData type when getNumberParties() is called

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getNumberParties()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2 as the number of parties	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object Created successfully	
3	Assert that 2 is returned when cplInput02.getNumberParties() is called	2 , cplInput02.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 3/22/24**

**Test Case ID#: FDNP\_4c**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the Integer 1 is retrieved from the FileData type when getNumberParties() is called**

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

**Project1/src/test/java/FileDataTest.java  
getNumberParties()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test:**

**A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 1 as the number of parties	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
3	Assert that 1 is returned when cplInput03.getNumberParties() is called	1 , cplInput03.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNP\_4d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 3 is retrieved from the FileData type when getNumberParties() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberParties()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 3 as the number of parties	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object Created successfully	
3	Assert that 3 is returned when oplInput04.getNumberParties() is called	3 , oplInput04.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNP\_4e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2 is retrieved from the FileData type when getNumberParties() is called

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

Project1/src/test/java/FileDataTest.java  
getNumberParties()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2 as the number of parties	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object Created successfully	
3	Assert that 2 is returned when oplInput05.getNumberParties() is called	2 , oplInput05.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDNP\_4f

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the Integer 2 is retrieved from the FileData type when getNumberParties() is called

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

**Project1/src/test/java/FileDataTest.java  
getNumberParties()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:**

**A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the integer 2 as the number of parties	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object Created successfully	
3	Assert that 2 is returned when oplInput06.getNumberParties() is called	2 , oplInput06.getNumberParties()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct number of parties that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5a1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput01.cplInput01.getPartyCandidates().containsKey("Dem")	true , cplInput01.cplInput01.getPartyCandidates().containsKey("Dem")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System****Team# 02****Test Stage:** Unit   x   System   **Test Date:** 3/22/2024**Test Case ID#:** FDPC1\_5a2**Name(s) of Testers:** Bethany Freeman**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   **Results:** Pass   x   Fail   **Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that "[Sarah, Bob, Jon]" is returned when cplInput01.getPartyCandidates().get("Dem").toString();	"[Sarah, Bob, Jon]", cplInput01.cplInput01.getPartyCandidates().containsKey("Dem")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5b1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput01.getPartyCandidates().containsKey("Rep")	true, cplInput01.getPartyCandidates().containsKey("Rep")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5b2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that "[Craig, Klein]" is returned when cplInput01.getPartyCandidates().get("Rep").toString()	"[Craig, Klein]", cplInput01.getPartyCandidates().get("Rep").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5c1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput01.getPartyCandidates().containsKey("Green")	true . cplInput01.getPartyCandidates().containsKey("Green"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5c2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that "[Rain, Water, Grass]" is returned when cplInput01.getPartyCandidates().get("Green")	"[Rain, Water, Grass]", cplInput01.getPartyCandidates().get("Green")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5d1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput01.getPartyCandidates().containsKey("Lib")	true, cplInput01.getPartyCandidates().containsKey("Lib")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC1\_5d2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that "[Ash, Matt]" is returned when cplInput01.getPartyCandidates().get("Lib").toString()	"[Ash, Matt]", cplInput01.getPartyCandidates().get("Lib").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System****Team# 02****Test Stage:** Unit   x   System   **Test Date:** 3/22/2024**Test Case ID#:** FDPC1\_5e**Name(s) of Testers:** Bethany Freeman**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates01 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   **Results:** Pass   x   Fail   **Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate01	HashMap<String, ArrayList<String>> partyCandidates01 = new HashMap<>(); partyCandidates01.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon"))); partyCandidates01.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein"))); partyCandidates01.put("Green", new ArrayList<>(Arrays.asList("Rain", "Water", "Grass"))); partyCandidates01.put("Lib", new ArrayList<>(Arrays.asList("Ash", "Matt")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when cplInput01.getPartyCandidates().containsKey("Grass")	false, cplInput01.getPartyCandidates().containsKey("Grass");	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6a1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput02.getPartyCandidates().containsKey("Dem"))	true, cplInput02.getPartyCandidates().containsKey("Dem"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6a2

**Name(s) of Testers:** Bethany Freeman

**Test Description:**

**Assert True that the HashMap<String, ArrayList<String>>  
partyCandidates02  
is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that "[Sarah, Bob, Jon]" is returned when cplInput02.getPartyCandidates().get("Dem").toString()	"[Sarah, Bob, Jon]", cplInput02.getPartyCandidates().get("Dem").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6b1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no

**Results:** Pass   x   Fail

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when cplInput02.getPartyCandidates().containsKey("Rep"))	true, cplInput02.getPartyCandidates().containsKey("Rep"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6b2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no

**Results:** Pass   x   Fail

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that "[Craig, Klein]" is returned when cplInput02.getPartyCandidates().get("Rep").toString()	"[Craig, Klein]", cplInput02.getPartyCandidates().get("Rep").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when cplInput02.getPartyCandidates().containsKey("Green"))	false, cplInput02.getPartyCandidates().containsKey("Green"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/2024

**Test Case ID#:** FDPC2\_6d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no

**Results:** Pass   x   Fail

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when cplInput02.getPartyCandidates().containsKey("Lib")	false, cplInput02.getPartyCandidates().containsKey("Lib"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 3/22/2024**

**Test Case ID#: FDPC2\_6e**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates02 is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate02	HashMap<String, ArrayList<String>> partyCandidates02 = new HashMap<>();  partyCandidates02.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));  partyCandidates02.put("Rep", new ArrayList<>(Arrays.asList("Craig", "Klein")))	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when cplInput02.getPartyCandidates().containsKey("Grass")	false, cplInput02.getPartyCandidates().containsKey("Grass"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC3\_7a1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that true is returned when cplInput03.getPartyCandidates().containsKey("Dem"))	true, cplInput03.getPartyCandidates().containsKey("Dem"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC3\_7a2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that "[Sarah, Bob, Jon]" is returned when cplInput03.getPartyCandidates().get("Dem").toString()	"[Sarah, Bob, Jon]", cplInput03.getPartyCandidates().get("Dem").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date: 3/22/24**

**Test Case ID#: FDPC3\_7b**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
**Project1/src/test/java/FileDataTest.java**  
**getPartyCandidates()**

**Automated: yes** ☒ **no** ☐

**Results: Pass** ☒ **Fail** ☐

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that false is returned when cplInput03.getPartyCandidates().containsKey("Rep")	false, cplInput03.getPartyCandidates().containsKey("Rep"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC3\_7c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that false is returned when cplInput03.getPartyCandidates().containsKey("Green")	false, cplInput03.getPartyCandidates().containsKey("Green"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC3\_7d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that false is returned when cplInput03.getPartyCandidates().containsKey("Lib")	false, cplInput03.getPartyCandidates().containsKey("Lib"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date: 3/22/24**

**Test Case ID#: FDPC3\_7e**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates03 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
**Project1/src/test/java/FileDataTest.java**  
**getPartyCandidates()**

**Automated: yes** ☒ **no** ☐

**Results: Pass** ☒ **Fail** ☐

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate03	HashMap<String, ArrayList<String>> partyCandidates03 = new HashMap<>(); partyCandidates03.put("Dem", new ArrayList<>(Arrays.asList("Sarah", "Bob", "Jon")));	Object Created successfully	Object Created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object Created successfully	
4	Assert that false is returned when cplInput03.getPartyCandidates().containsKey("Grass"))	false, cplInput03.getPartyCandidates().containsKey("Grass"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit ☒ System ☐**

**Test Date: 3/22/24**

**Test Case ID#: FDPC4\_8a1**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
**Project1/src/test/java/FileDataTest.java**  
**getPartyCandidates()**

**Automated: yes ☒ no ☐**

**Results: Pass ☒ Fail ☐**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput04.getPartyCandidates().containsKey("Dem")	true, oplInput04.getPartyCandidates().containsKey("Dem"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC4\_8a2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that "[Sarah, Bob]" is returned when oplInput04.getPartyCandidates().get("Dem").toString()	"[Sarah, Bob]", oplInput04.getPartyCandidates().get("Dem").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 3/22/24**

**Test Case ID#: FDPC4\_8b1**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput04.getPartyCandidates().containsKey("Rep"))	true, oplInput04.getPartyCandidates().containsKey("Rep"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 3/22/24

**Test Case ID#: FDPC4\_8b2**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated: yes** ☒ **no** ☐

**Results: Pass** ☒ **Fail** ☐

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that "[Craig]" is returned when oplInput04.getPartyCandidates().get("Rep").toString()	"[Craig]", oplInput04.getPartyCandidates().get("Rep").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit**   x   **System**     

**Test Date:** 3/22/24

**Test Case ID#: FDPC4\_8c**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no     

**Results: Pass**   x   **Fail**     

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput04.getPartyCandidates().containsKey("Green"))	false, oplInput04.getPartyCandidates().containsKey("Green"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 3/22/24

**Test Case ID#:** FDPC4\_8d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput04.getPartyCandidates().containsKey("Lib")	false, oplInput04.getPartyCandidates().containsKey("Lib"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 3/22/24

**Test Case ID#:** FDPC4\_8e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates04 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate04	ArrayList<ArrayList<Object>> partyVotes04 = new ArrayList<>(); partyVotes04.add(new ArrayList<>(Arrays.asList("Dem", 6000))); partyVotes04.add(new ArrayList<>(Arrays.asList("Rep", 4000)));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput04.getPartyCandidates().containsKey("Grass")	false, oplInput04.getPartyCandidates().containsKey("Grass"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9a1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

**Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput05.getPartyCandidates().containsKey("Dem")	true, oplInput05.getPartyCandidates().containsKey("Dem")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9a2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that "[Sarah]" is returned when oplInput05.getPartyCandidates().get("Dem").toString()	"[Sarah]", oplInput05.getPartyCandidates().get("Dem").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9b1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput05.getPartyCandidates().containsKey("Grass")	true, oplInput05.getPartyCandidates().containsKey("Grass")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9b2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

Project1/src/test/java/FileDataTest.java

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that "[Rain]" is returned when oplInput05.getPartyCandidates().get("Grass").toString()	"[Rain]", oplInput05.getPartyCandidates().get("Grass").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput05.getPartyCandidates().containsKey("Green")	false, oplInput05.getPartyCandidates().containsKey("Green");	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC5\_9d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates05 is correct in FileData

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

**Project1/src/test/java/FileDataTest.java  
getPartyCandidates()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate05	HashMap<String, ArrayList<String>> partyCandidates05 = new HashMap<>(); partyCandidates05.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates05.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput05.getPartyCandidates().containsKey("Lib")	false, oplInput05.getPartyCandidates().containsKey("Lib")	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 03/22/24**

**Test Case ID#: FDPC6\_10a1**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
**Project1/src/test/java/FileDataTest.java**  
**getPartyCandidates()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput06.getPartyCandidates().containsKey("Dem"))	true, oplInput06.getPartyCandidates().containsKey("Dem"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC6\_10a2

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that "[Sarah]" is returned when oplInput06.getPartyCandidates().get("Dem").toString()	"[Sarah]", oplInput06.getPartyCandidates().get("Dem").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC6\_10b1

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that true is returned when oplInput06.getPartyCandidates().containsKey("Grass"))	true, oplInput06.getPartyCandidates().containsKey("Grass"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 03/22/24**

**Test Case ID#: FDPC6\_10b2**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData**

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
**Project1/src/test/java/FileDataTest.java**  
**getPartyCandidates()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that "[Rain]" is returned when oplInput06.getPartyCandidates().get("Grass").toString()	"[Rain]", oplInput06.getPartyCandidates().get("Grass").toString()	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC6\_10c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput06.getPartyCandidates().containsKey("Green"))	false, oplInput06.getPartyCandidates().containsKey("Green"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPC6\_10d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the HashMap<String, ArrayList<String>> partyCandidates06 is correct in FileData

**Indicate where are you storing the tests (what file) and the name of the method/functions being used.**  
Project1/src/test/java/FileDataTest.java  
getPartyCandidates()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new HashMap<String, ArrayList<String>> partyCandidate06	HashMap<String, ArrayList<String>> partyCandidates06 = new HashMap<>(); partyCandidates06.put("Dem", new ArrayList<>(Arrays.asList("Sarah"))); partyCandidates06.put("Grass", new ArrayList<>(Arrays.asList("Rain")));	Object Created successfully	Object was created successfully	
3	Create a new FileData Object that has a HashMap<String, ArrayList<String>> object as the partyCandidate	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
4	Assert that false is returned when oplInput06.getPartyCandidates().containsKey("Lib"))	false, oplInput06.getPartyCandidates().containsKey("Lib"))	true	true	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyCandidate HashMap that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 03/22/24

**Test Case ID#:** FDPV\_11a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyVotes()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> partyVotes01 as the partyVotes	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 2500], [Rep, 3000], [Green, 2100], [Lib, 2400]]" is returned when cplInput01.getPartyVotes().toString() is called	"[[Dem, 2500], [Rep, 3000], [Green, 2100], [Lib, 2400]]", cplInput01.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPV\_11b

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyVotes()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList< partyVotes02 as the partyVotes	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02)	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 750], [Rep, 250]]" is returned when cplInput02.getPartyVotes().toString() is called	"[[Dem, 750], [Rep, 250]]", cplInput02.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 03/22/24

**Test Case ID#:** FDPV\_11c

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getPartyVotes()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> partyVotes03 as the partyVotes	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03)	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 2000]]" is returned when cplInput03.getPartyVotes().toString() is called	"[[Dem, 2000]]", cplInput03.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDPV\_11d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData

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

**Project1/src/test/java/FileDataTest.java  
getPartyVotes()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> partyVotes04 as the partyVotes	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04)	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 6000], [Rep, 4000]]" is returned when oplInput04.getPartyVotes().toString() is called	"[[Dem, 6000], [Rep, 4000]]", oplInput04.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 03/22/24**

**Test Case ID#: FDPV\_11e**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getPartyVotes()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> partyVotes05 as the partyVotes	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05)	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 1500], [Grass, 500]]" is returned when oplInput05.getPartyVotes().toString() is called	"[[Dem, 1500], [Grass, 500]]", oplInput05.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit** ☒ **System** ☐

**Test Date:** 03/22/24

**Test Case ID#: FDPV\_11f**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the  
ArrayList<ArrayList<Object>> partyVotes  
is correct in FileData**

**Indicate where are you storing the tests (what file) and the  
name of the method/functions being used.  
Project1/src/test/java/FileDataTest.java  
getPartyVotes()**

**Automated: yes** ☒ **no** ☐

**Results: Pass** ☒ **Fail** ☐

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> partyVotes06 as the partyVotes	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06)	Object Created successfully	Object was created successfully	
3	Assert that "[[Dem, 1900], [Grass, 100]]" is returned when oplInput06.getPartyVotes().toString() is called	"[[Dem, 1900], [Grass, 100]]", oplInput06.getPartyVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct partyVote ArrayList that was given to it.



**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit   x   System   

**Test Date:** 03/22/24

**Test Case ID#:** FDCV\_12a

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getCandidateVotes()

**Automated:** yes   x   no   

**Results:** Pass   x   Fail   

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> candidateVotes01 as the candidateVotes	FileData cplInput01 = new FileData("CPL", 3, 10000, 4, partyCandidates01, partyVotes01, candidateVotes01);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 0], [Bob, 0], [Jon, 0], [Craig, 0], [Klein, 0], [Rain, 0], [Water, 0], [Grass, 0], [Ash, 0], [Matt, 0]]" is returned when cplInput01.getCandidateVotes() .toString()) is called	"[[Sarah, 0], [Bob, 0], [Jon, 0], [Craig, 0], [Klein, 0], [Rain, 0], [Water, 0], [Grass, 0], [Ash, 0], [Matt, 0]]", cplInput01.getCandidateVotes().toString())	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDCV\_12b

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData

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

**Project1/src/test/java/FileDataTest.java  
getCandidateVotes()**

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test CPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> candidateVotes02 as the candidateVotes	FileData cplInput02 = new FileData("CPL", 0, 1000, 2, partyCandidates02, partyVotes02, candidateVotes02);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 0], [Bob, 0], [Jon, 0], [Craig, 0], [Klein, 0]]" is returned when cplInput02.getCandidateVotes().toString() is called	"[[Sarah, 0], [Bob, 0], [Jon, 0], [Craig, 0], [Klein, 0]]", cplInput02.getCandidateVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 03/22/24**

**Test Case ID#: FDCV\_12c**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getCandidateVotes()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test CPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList< candidateVotes03 as the candidateVotes	FileData cplInput03 = new FileData("CPL", 10, 2000, 1, partyCandidates03, partyVotes03, candidateVotes03);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 0], [Bob, 0], [Jon, 0]]" is returned when cplInput03.getCandidateVotes().toString() is called	"[[Sarah, 0], [Bob, 0], [Jon, 0]]", cplInput03.getCandidateVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDCV\_12d

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getCandidateVotes()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> candidateVotes04 as the candidateVotes	FileData oplInput04 = new FileData("OPL", 2, 10000, 3, partyCandidates04, partyVotes04, candidateVotes04);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 4500], [Bob, 2000], [Jon, 3500]]" is returned when oplInput04.getCandidateVotes().toString() is called	"[[Sarah, 4500], [Bob, 2000], [Jon, 3500]]", oplInput04.getCandidateVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage:** Unit ☒ System ☐

**Test Date:** 03/22/24

**Test Case ID#:** FDCV\_12e

**Name(s) of Testers:** Bethany Freeman

**Test Description:** Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData

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

Project1/src/test/java/FileDataTest.java  
getCandidateVotes()

**Automated:** yes ☒ no ☐

**Results:** Pass ☒ Fail ☐

**Preconditions for Test:** A test OPL FileData type has been created

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList<> candidateVotes05 as the candidateVotes	FileData oplInput05 = new FileData("OPL", 0, 2000, 2, partyCandidates05, partyVotes05, candidateVotes05);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 1500], [Rain, 500]]" is returned when oplInput05.getCandidateVotes( )toString() is called	"[[Sarah, 1500], [Rain, 500]]", oplInput05.getCandidateVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name: Project 1: Voting System**

**Team# 02**

**Test Stage: Unit \_x\_ System \_\_**

**Test Date: 03/22/24**

**Test Case ID#: FDCV\_12f**

**Name(s) of Testers: Bethany Freeman**

**Test Description: Assert True that the  
ArrayList<ArrayList<Object>> candidateVotes  
is correct in FileData**

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

**Project1/src/test/java/FileDataTest.java  
getCandidateVotes()**

**Automated: yes x no**

**Results: Pass x Fail**

**Preconditions for Test: A test OPL FileData type has been created**

Step #	Test Step Description	Test Data	Expected Result	Actual Result	Notes
1					
2	Create a new FileData Object that has the ArrayList< candidateVotes06 as the candidateVotes	FileData oplInput06 = new FileData("OPL", 10, 2000, 2, partyCandidates06, partyVotes06, candidateVotes06);	Object Created successfully	Object was created successfully	
3	Assert that "[[Sarah, 1900], [Rain, 100]]" is returned when oplInput06.getCandidateVotes().toString() is called	"[[Sarah, 1900], [Rain, 100]]", oplInput06.getCandidateVotes().toString()	True	True	

**Post condition(s) for Test:**

The FileData Object will have been confirmed to have been created with the correct candidateVote ArrayList that was given to it.

**Project Name:** The project #, name of your system, and the team#

**Test Stage:** Indicate whether it is a unit test or a system test.

**Test Date:** The date the test was performed.

**Test Case ID#:** A unique ID is required. Decide on a naming convention and use numbering. Example: Ballot\_Shuffle\_1

**Name(s) of Testers:** List the names of anyone involved in running this test case.

**Test Description:** Describe briefly the test objective.

**Automated:** Indicate if the test is completely automated or being checked manually. (If you have methods running the tests and checking results, select “yes”. If you are manually checking results, indicate manual by selecting the “no.”)

**Results:** Indicate if the test passed or failed.

**Step #:** You will be listing the test steps in order. This number is the step number in the process.

**Test Step Description:** Details of the test step.

**Test Data:** What the test data will be for this step. Be clear on what the input data will be. If using a specific file, be clear on the name.

**Expected Result:** What result are you expecting from the program component or system.

**Actual Result:** What result were returned based on the test.

**Post condition for Test:** What will be true after the test has been run? Has the state of the system changed in any way?

**Notes:** Comments and notes for you and your team members.