Test Case Validation Log

Class	Test Name	Date Tested	Tester	Result	Pass/Fail
Ballot	DefaultConstructorTest	3/20/2021	Estifanos Alene	Default constructor	Pass
Ballot	ConstructorTest	3/20/2021	Estifanos Alene	Constructs ballot with a vote	Pass
Ballot	GetIdTest	3/20/2021	Estifanos Alene	Returns the ballot ID	Pass
Ballot	IncrementRankTest	3/20/2021	Estifanos Alene	Returns incremented rank	Pass
Ballot	GetVoteTest	3/20/2021	Estifanos Alene	Returns the vote of the ballot	Pass
Ballot	GetSetRankTest	4/29/2021	Estifanos Alene	Sets a ballot's rank and returns it	Pas
Candidate	DefaultConstructorTest	3/20/2021	Estifanos Alene	Default constructor	Pass
Candidate	ConstructorTest	3/20/2021	Estifanos Alene	Constructs with a name	Pass
Candidate	AddVoteTest	3/20/2021	Estifanos Alene	Adds a vote to a candidate	Pass
Candidate	GetVotesTest	3/20/2021	Estifanos Alene	Returns the votes of a candidate	Pass
Candidate	SetCountToZeroTest	3/20/2021	Estifanos Alene	Sets count to 0	Pass
Candidate	SetVotesTest	4/27/2021	Estifanos Alene	Sets a candidate's vote	Pass
Candidate	IncrementCountTest	3/20/2021	Estifanos Alene	Increments a count for candidate	Pass
Election	CreateElection	3/20/2021	Adrian Leal	Creates an election	Pass
Election	SettersGetters	3/20/2021	Adrian Leal	Set/Get type and num of ballots	Pass
Election Official	Constructor	4/27/2021	Adrian Leal	Constructs an election of type entered through parameter	Pass
Election Official	CreateIR	4/27/2021	Adrian Leal	Creates IR election	Pass
Election Official	CreateOPL	4/27/2021	Adrian Leal	Create OPL election	Pass
Election Official	CreatePO	4/27/2021	Adrian Leal	Create PO election	Pass
IR	CreateIRElection	3/20/2021	Adrian Leal	Creates IR election	Pass
IR	AddCandidates	3/20/2021	Adrian Leal	Adds candidates to election	Pass
IR	SetWinner	3/20/2021	Adrian Leal	Sets a winner of the election	Pass
IR	PerformCount	3/20/2021	Adrian Leal	Starts count of votes	Pass
IR	CheckWinner	3/20/2021	Adrian Leal	Checks if there is a winner	Pass
IR	PerformElection	3/20/2021	Adrian Leal	Performs the election	Pass
IR	RedistributeBallots	3/20/2021	Adrian Leal	Redistribute ballots	Pass
IR	RedistributeToLosingCandidate	3/20/2021	Adrian Leal	Redistribute ballots to lost candidates	Pass
IR	BallotValidation	4/27/2021	Parker Oberstar	Checks if ballots are valid	Pass
IR	AddBallots	3/20/2021	Adrian Leal	Adds ballots to candidates	Pass
OPL	DefaultConstructor	3/20/2021	Sarthak Kanotra	Default constructor	Pass
OPL	SetGetQuotaSeats	3/20/2021	Sarthak Kanotra	Gets/Sets seat quota	Pass
OPL	SetGetSeats	3/20/2021	Sarthak Kanotra	Get/sets num of seats	Pass
OPL	SetGetNumCandidates	3/20/2021	Sarthak Kanotra	Get/set num of candidates	Pass
OPL	SetGetCandidateNames	3/20/2021	Sarthak Kanotra	Get/set num of Candidate names	Pass
OPL	PerformCount	3/20/2021	Sarthak Kanotra	Performs ballot counts	Pass
OPL	DistributeSeats	3/20/2021	Sarthak Kanotra	Distributes the seats	Pass
OPL	GetFile	3/20/2021	Sarthak Kanotra	Obtains election file	Pass

Party	DefaultConstructor	3/20/2021	Sarthak Kanotra	Default constructor	Pass
Party	ParameterizedConstructor	3/20/2021	Sarthak Kanotra	Constructor that takes in name num of votes and seats	Pass
Party	getNumVotes	3/20/2021	Sarthak Kanotra	Get the number of votes	Pass
Party	getSeats	3/20/2021	Sarthak Kanotra	Get the total seats	Pass
Party	getName	3/20/2021	Sarthak Kanotra	Gets the name of the party	Pass
Party	addVote	3/20/2021	Sarthak Kanotra	Increments number of votes	Pass
Party	AddSetSeat	3/20/2021	Sarthak Kanotra	Increments number of seats	Pass
PO	DefaultConstructor	4/27/2021	Sarthak Kanotra	Constructor of PO election	Pass
PO	SetGetNumCandidates	4/27/2021	Sarthak Kanotra	Get/Set Number of Candidates	Pass
PO	SetGetCandidateNames	4/27/2021	Sarthak Kanotra	Get/Set Name of Candidate	Pass
PO	FindPartyIndex	4/27/2021	Sarthak Kanotra	Returns index where the vote belongs	Pass
PO	AddBallots	4/27/2021	Sarthak Kanotra	Adds ballots from multiple files	Pass
PO	SetParties	4/27/2021	Sarthak Kanotra	Sets/creates the vector with candidates	Pass
PO	GetName	4/27/2021	Sarthak Kanotra	Gets candidate name	Pass
PO	SetGetPartyVector	4/27/2021	Sarthak Kanotra	Set/Get party's vector to be used	Pass

PBI	Task Description	Class	Test Name
2	Add election of type PO	PO	DefaultConstructor
2		PO	SetGetNumCandidates
2		PO	SetGetCandidateNames
2		PO	FindPartyIndex
2		PO	AddBallots
2		PO	SetParties
2		PO	GetName
2		PO	SetGetPartyVector
4	Update election official class that allows for multiple input files	Election Official	Constructor
4		Election Official	CreateIR
4		Election Official	CreateOPL
4		Election Official	CreatePO
6	Add functionality that validates ballots in IRV election	IR	BallotValidation
13	Fix bugs within the system	Ballot	GetSetRankTest
13		Candidate	SetVotesTest