Zaynab Zeini
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Professor Carola Wenk
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Project 1 Voting Machine: Test Scenarios

To test the Candidate Class, I created a JUnit test CandidateTests that tests for its core functionality: creating a candidate, getting the vote count, name, and party affiliation, updating the vote count, and representing the candidate as a string.

To test the Ballot Class, I created another JUnit test BallotTests, which checked that the class added a candidate to the ballot while ensuring no duplicates, getting the name of the office, and representing the ballot as a string.

To test other core functionality, I created an example test scenario. To test BallotReader, I input a .txt file that followed the required format, as seen below.

```
Milky Isle President
3
Molly Lou;Yellow Party
Autumn Star;Green Party
Elise Chalam;Blue Party
```

After the software read the file and allowed me to cast votes–testing that function–I provided an output .txt file, in which the results were displayed properly. I completed two test scenarios: one in which there is a winner and one in which there is a tie. The results for both are as shown below.

```
RESULTS - Milky Isle President
------------------------------
Molly Lou - Yellow Party                                    2
Autumn Star - Green Party                                   2
Elise Chalam - Blue Party                                   1


NO WINNER
```

```
RESULTS - Milky Isle President
------------------------------
Molly Lou - Yellow Party                                    3
Autumn Star - Green Party                                   1
Elise Chalam - Blue Party                                   1


WINNER: Molly Lou - Yellow Party
```