Test plan:

Test1:

*Steps:*

1. Choose 4 (LAUNCH\_ELECTION).   
   Expected: Text prompt for name of election
2. Enter “Brittany independence referendum”   
   Expected: Graphical prompt that allows voter to sign into the given election
3. Enter “Allen\_F7@teleworm.us” and click Sign In button.  
   Expected: The GUI shows a message that the voter is not eligible (because the postal code is out of range)

This works as expected

Test2:

1. Choose 1 (FIND\_VOTER).   
   Expected: Text prompt for email of voter
2. Enter “daniel.rafail@gmail.com”   
   Expected: Console interface that allows user to write an email
3. Expected: The command console to show information about the voter since he is valid

Test3:

1. Choose 1 (FIND\_VOTER).   
   Expected: Text prompt for email of voter
2. Enter “a”   
   Expected: Console interface that allows user to write an email
3. Expected: The command console shows a message telling us that is not a valid email

This works as expected

Test4:

1. Choose 2 (REGISTER\_VOTER).   
   Expected: Text prompt for first name, last name, email and postal code of voter
2. Enter All valid information (Daniel, Rafail, [daniel.rafail@gmail.com](mailto:daniel.rafail@gmail.com), H3W 1N9)  
   Expected: Console interface that allows user to write all the information
3. Expected: The command console shows a message with all the voters information, and adds him to the database

Test5:

1. Choose 2 (REGISTER\_VOTER).   
   Expected: Text prompt for first name, last name, email and postal code of voter
2. Enter All invalid information (a55, raf05, d, aaa aaaa)  
   Expected: Console interface that allows user to write all the information
3. Expected: The command console asks the user to input valid data, loop until he does

Test6:

1. Choose 3 (DISPLAY\_WINNERS).   
   Expected: Text prompt for name of the election
2. Enter “a”   
   Expected: Console interface that allows user to write an election name
3. Expected: The command console shows a message telling the user that the election does not exist

Works as expected

Test7:

1. Choose 3 (DISPLAY\_WINNERS).   
   Expected: Text prompt for name of the election
2. Enter “Brittany independence referendum”   
   Expected: Console interface that allows user to write an election name
3. Expected: The command console shows a message with all the election information and telling us that election is not over yet

Works as expected

Test8:

1. Choose 4 (LAUNCH\_ELECTION).   
   Expected: Text prompt for email of voter
2. Enter “a”   
   Expected: Console interface that allows user to write the name of the election
3. Expected: The command console shows a message telling us that is not a valid name

Works as expected

Test9:

1. Choose 4 (LAUNCH\_ELECTION).   
   Expected: Text prompt for email of voter
2. Enter “”   
   Expected: Console interface that allows user to write an email
3. Expected: The command console shows a message telling us that is not a valid name

Works as expected

Test10:

1. Choose 5 (STOP).   
   Expected: program to stop and saves the data
2. Result: program stops and saves the data

Works as expected