**LAB #1 - Voter Registration Application Documentation**

Name - Herman Mann

Course – SDEV 300

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# **Test Plan**

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| --- | --- |
| **Test Case # 1 - Checking normal execution of voter application with no conditions being put forth** | |
| **Input** | Yes  Lebron  yes  James  Yes  37  Yes  Yes  Yes  MD  Yes  90454  no |
| **Expected Output** | Name (first last): Lebron James  Age: 37  U.S. Citizen: Yes  State: MD  Zipcode: 90454  Thanks for trying the Voter Registration Application. Your voter registration card should be shipped within 3 weeks. |
| **Actual Output** | Name (first last): Lebron James  Age: 37  U.S. Citizen: Yes  State: MD  Zipcode: 90454  Thanks for trying the Voter Registration Application. Your voter registratiston card should be shipped within 3 weeks. |
| **Pass?** | **YES** |
| **Screenshots** | Text  Description automatically generatedText  Description automatically generated |

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| --- | --- |
| **Test Case # 2- Checking to see if entering age below 18 years old will terminate program.** | |
| **Input** | yes  Herman  Yes  Mann  yes  17  no |
| **Expected Output** | The program will terminate and exit if the user enters an age less than 18 years old. The user won’t be able to move forward and be prompted, and the additional questions for the voting registration won’t be displayed to the screen |
| **Actual Output** | Program will terminate and exit execution after user enters no for the “Are you at least 18 years old?” towards the end of program execution. |
| **Pass** | **Pass** |
| **Screenshots** | Text  Description automatically generated |

|  |  |
| --- | --- |
| **Test Case # 3 – Check to see by entering “no” to the U.S. Citizen question if program terminates** | |
| **Input** | yes  Steph  yes  Curry  yes  75  yes  no |
| **Expected Output** | Program will terminate and exit out of execution due to the user not being a U.S. Citizen. Program will not present the remaining questions and the user won’t be able to complete the voting registration process. They cannot move forward because user again is not a U.S. Citizen which is one of the requirements for the being allowed to vote. |
| **Actual Output** | Program will terminate and exit out of execution due to the user not being a U.S. Citizen. Program will not present the remaining questions and the user won’t be able to complete the voting registration process. They cannot move forward because user again is not a U.S. Citizen which is one of the requirements for the being allowed to vote. |
| **Pass** | **YES** |
| **Screenshots** | Text  Description automatically generated |

|  |  |
| --- | --- |
| **Test Case # 4 – Checking to see if age numbers entered seem reasonable (not > 120 years)** | |
| **Input** | yes  Samanth  yes  Williams  yes  125  yes  78  yes  yes  yes  MI  yes  89345  no |
| **Expected Output** | Thanks for registering to vote.  Here is the information we received:  Name (first last): Samanth Williams  Age: 78  U.S. Citizen: Yes  State: MI  Zipcode: 89345  Thanks for trying the Voter Registration Application.  Your voter registration card should be shipped within 3 weeks. |
| **Actual Output** | Thanks for registering to vote.  Here is the information we received:  Name (first last): Samanth Williams  Age: 78  U.S. Citizen: Yes  State: MI  Zipcode: 89345  Thanks for trying the Voter Registration Application.  Your voter registration card should be shipped within 3 weeks. |
| **Pass** | **YES** |
| **Screenshots** | Text  Description automatically generated  Text  Description automatically generated |

|  |  |
| --- | --- |
| **Test Case # 5- Checking to see if state entered contains 2 letters at the maximum** | |
| **Input** | yes  Selena  yes  Gomez  yes  25  yes  yes  yes  MDX  yes  FL  yes  56712 |
| **Expected Output** | Thanks for registering to vote.  Here is the information we received:  Name (first last): Selena Gomez  Age: 25  U.S. Citizen: Yes  State: FL  Zipcode: 56712  Thanks for trying the Voter Registration Application.  Your voter registration card should be shipped within 3 weeks. |
| **Actual Output** | Thanks for registering to vote.  Here is the information we received:  Name (first last): Selena Gomez  Age: 25  U.S. Citizen: Yes  State: FL  Zipcode: 56712  Thanks for trying the Voter Registration Application.  Your voter registration card should be shipped within 3 weeks. |
| **Pass** | **YES** |
| **Screenshots** | Text  Description automatically generated  Text  Description automatically generated |

|  |  |
| --- | --- |
| **Test Case # 6 – Checking to see if program will exit the application at any point** | |
| **Input** | yes  Albert  yes  Einstein  yes  78  no |
| **Expected Output** | Program gets terminated and exits application since user chooses to exit out of voter registration application by entering “no” |
| **Actual Output** | Program gets terminated and exits application since user chooses to exit out of voter registration application by entering “no” |
| **Pass** | **YES** |
| **Screenshots** | Text  Description automatically generated |

Pylint results for Voter Registration Application

Throughout the completion of Lab 1 which focused on developing a Voter Registration application which allows users to vote by submitting their completed voter registration application, and whoever is eligible based on the requirements would be allowed to complete the full voter registration application. To discuss about my Pylint results for my overall program, I had a lot of issues that dealt with trailing whitespace which was the biggest problem with my overall Pylint results for each of my applications I tested through different tests. Also, I encountered the issue of a “Missing function docstring” through running each of the tests of my voter registration application. Moreover, another major issue deals with the Refactor issues of my code style of my voter registration application. Basically, I had to simplify an “elif” statement in my code for the “get\_user\_age ()” function to make comparison simpler within the function and making the code style for Pylint significantly neat and which would deliver the 10.00/10 score. Summarizing the Pylint score for each application of my overall voter registration application I slowly covered the issues, and it did not take me a long time to get my Pylint score for this voter registration application lab to reach a 10.00/10.

Graphical user interface, text

Description automatically generated