|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test # | Input | Expected | Actual | Pass / Fail |
| 1 | 1, 1 | Display of population for APR count,mean.SD,min, max and a histogram. | Refer to screenshot #1 | PASS |
| 2 | 2, 1 | Display of housing column age count,mean.SD,min, max and a histogram. | Refer to screen shot testcase #2 | PASS |
| 3 | 3 | Exit program | Exits with message  thank you for using this program…comeback soon | PASS |
| 4 | 1, 2 | Display of population for JULY count,mean.SD,min, max and a histogram. | Refer to screenshot test case#4 | PASS |
| 5 | 1, 3 | Display of population change from apr to jul count,mean.SD,min, max and a histogram. | Refer to screenshot test case #5 | PASS |
| 6 | 2, 2 | Display of data for housing category BEDROOMS | Refer to screenshot test case #6 | PASS |
| 7 | 2, 3 | Display data for housing category BUILT | Refer to screenshot test case #7 | PASS |
| 8 | 2, 4 | Display data for housing category ROOMS | Refer to screenshot test case #8 | PASS |
| 9 | 2, 5 | Display data for housing category Utility | Refer to screenshot test case #9 | PASS |
| 10 | 2, 6 | Exit category Housing and return to main menu | Refer to screenshot test case #10 | PASS |
| 11 | 1, 4 | Exit category population and return to main menu | Refer to screenshot test case#11 | PASS |
| 12 | 21 | Expect an error message and repeat of menu | Refer to screenshot test case#12 | PASS |
| 13 | 1,abcd | Takes me to population menu then gives an error and tells me to re enter | Refer to screenshot test case#13 | PASS |
| 14 | 2, wer | Takes me to housing menu then gives an error and tells me to re enter | Refer to screenshot test case#14 | PASS |

Pylint results:  
Text

Description automatically generated  
I

Test Case #1:  
Chart

Description automatically generated

Test Case #2:  
Text

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Test Case #3:  
Text

Description automatically generated  
Test Case #4:  
Chart

Description automatically generated

Test Case #5:  
Chart

Description automatically generated with medium confidence

Test Case #6:  
Text

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Test Case #7:  
Chart, histogram

Description automatically generated

Test Case #8:  
Chart, histogram

Description automatically generated

Test Case #9:  
Text

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Test Case #10:  
Text

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Test Case #11:  
Text

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Test Case #12:  
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Test Case #13:  
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Test Case #14:  
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