# Programming Project 2 – RamString Test Plan

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| Test ID | Method Tested | Parameters (Test Data) | Test Rationale | Expected result | Actual result |
| 1 | countVCURams () | “Rodney, the Rams” | String contains Rams but not VCU | returns  1 |  |
| 2 | hasRams() | “Rodney, the Rams” | Rams in string, but not in position 0 or 1 | false |  |
| 3 | setWackyString() | “Rodney, the Rams” | Make sure the program runs with no major errors | “Rodney, the Rams” | “Rodney, the Rams” |
| 4 | setWackyString() | “Rodney, #1 ram” | Make sure the program can accept numbers or special characters | “Rodney, #1 ram” |  |
| 5 | setWackyString() | “ “ | See if the program will accept a space for a string value | “ “ |  |
| 6 | getWackyString() | “Rodney the rams” | See if the program returns the correct instance variable | Rodney the rams |  |
| 7 | getWackyString() | “jeremy” | Sees if there is error handling for a parameterized version of this function | “you put a parameter in a function that doesn’t accept them” |  |
| 8 | getWackyString() | null | Sees if the program will display a null value | null |  |
| 9 | countVCURams () | “Rodney is the mascot for vcu” | Sees if the function counts if vcu is not capitalized | Returns 0 |  |
| 10 | countVCURams () | “Rodney is the mascot for VCU, Go RAMS!” | String contains vcu capitalized and rams | Returns 2 |  |
| 11 | countVCURams () | “Rodney is the mascot for VCu, Go rams.” | String contains vcu partially capitalized and rams uncapitalized | Returns 1 |  |
| 12 | hasRams() | 0rams | String contains rams at index 1 | True |  |
| 13 | hasRams() | RaMs | String contains rams but with the wrong capitalization | False |  |
| 14 | hasRepeatingPrefix() | ramsrams, 4 | String does have a repeating prefix and numChars is correct | True |  |
| 15 | hasRepeatingPrefix() | Ramsasdframs, 4 | String does have a repeating prefix and there is space between when it repeats, numChars is correct | True |  |
|  | hasRepeatingPrefix() | Ramsasdfjkjsldhksjh, 4 | String doesn’t have a repeating prefix | false |  |
|  | hasRepeatingPrefix() | Ramsksdjflksrams, 9 | String does have a repeating prefix but numChars is incorrect | false |  |
|  | makeNumberSubstitutions() | Indigo | String has capital and lower case I and an o | 1nd1g0 |  |
|  | makeNumberSubstitutions() | 1nd1g0 | String doesn’t need to be altered | 1nd1g0 |  |
|  | makeNumberSubstitutions() | yellows | E,o, and s need to be altered | Y3ll0w5 |  |
|  | removeNot() | Not nottacos not | String has three instances of not one after the other | “Tacos “ |  |
|  | removeNot() | Not a real note. Connotation. Nothingness. Hypnotize | String contains not in other words and with a space after it | A real e. conation. Hingness. hypize |  |
|  | removeNot() | The word: isn’t | String doesn’t contain not | The word: isn’t |  |
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