# Programming Project 2 – RamString Test Plan

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test ID | Method Tested | Parameters (Test Data) | Test Rationale | Expected result | Actual result |
| 1 | getWackyString() | “” | See if the program returns the correct instance variable when the constructor is paramaterized | "Rams! Let's Go Rams and CS@VCU!" | "Rams! Let's Go Rams and CS@VCU!" |
| 2 | getWackyString() | “jeremy” | See if the program returns the correct instance variable when the constructor is paramaterized | jeremy | jeremy |
| 3 | countVCURams () | “Rodney is the mascot for vcu” | Sees if the function counts if vcu is not capitalized | Returns 0 | 0 |
| 4 | countVCURams | “Rodney is the mascot for VCU” | Checks if a string out of bounds error is not thrown | Returns 1 | 1 |
| 5 | countVCURams () | “Rodney is the mascot for VCU, Go RAMS!” | String contains vcu capitalized and rams. Also checks if a string out of bounds error is not thrown when rams is at the end of the string | Returns 2 | 2 |
| 6 | countVCURams () | “Rodney is the mascot for VCu, Go rams.” | String contains vcu partially capitalized and rams uncapitalized | Returns 1 | 1 |
| 7 | hasRams() | 0rams | String contains rams at index 1 | True | True |
| 8 | hasRams() | RaMs | String contains rams but with the wrong capitalization | False | False |
| 9 | hasRepeatingPrefix() | ramsrams, 4 | String does have a repeating prefix and numChars is correct | True | True |
| 10 | hasRepeatingPrefix() | Ramsasdframs, 4 | String does have a repeating prefix and there is space between when it repeats, numChars is correct | True | True |
| 11 | hasRepeatingPrefix() | Ramsasdfjkjsldhksjh, 4 | String doesn’t have a repeating prefix | false | False |
| 12 | hasRepeatingPrefix() | Ramsksdjflksrams, 9 | String does have a repeating prefix but numChars is incorrect | false | false |
| 13 | makeNumberSubstitutions() | Indigo | String has capital and lower case I and an o | 1nd1g0 | 1nd1g0 |
| 14 | makeNumberSubstitutions() | 1nd1g0 | String doesn’t need to be altered | 1nd1g0 | 1nd1g0 |
| 15 | makeNumberSubstitutions() | yellows | E,o, and s need to be altered | y3ll0w5 | y3ll0w5 |
| 16 | removeNot() | nottacos not | String has instances of not. One at the end of the string to see if there is a string out of bound error | “tacos “ | “Not tacos ” |
| 17 | removeNot() | Not a real note. Connotation. Nothing. Hypnotize | String contains not in other words and one with a capital N that shouldn’t be removed | Not a real e. conation. hing. hypize | Not a real e. conation. hing. hypize |
| 18 | removeNot() | The word: isn’t | String doesn’t contain not | The word: isn’t | The word: ins’t |
| 19 | removeNot() | Asdfnotnot notasdf | String has a ‘not’ and a ‘not ‘ | asdfasdf | asdfasdf |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |