**CS 431 PROJECT #2 RUBRIC SPRING 2023**

**Palindrome!**

This project is worth 100 points. For each of the requirements below, you will need to meet the full specifications for full credit for that item. Solutions that do not meet the full specifications will receive no credit for that item.

***NAME: TOTAL:***

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| ***Specification*** | ***Points Earned*** |
| Supporting function behavior is correct (10 pts each):   * Function *my\_reverse* (or equivalent) correctly reverses lists. * Function *removeNonAlphabetic* (or equivalent) correctly removes non-letter characters from a list. * Function *changeToLowercase* (or equivalent) correctly converts uppercase letters in a list to lowercase letters. * Other supportive functions (if any) also work correctly | (40 pts) |
| Function *is\_palindrome* correctly takes a string (not a list!) as an argument and returns true for a palindrome and false otherwise.   * Partial credit for this item can be earned, if the code is partially correct. | (25 pts) |
| Function *is\_palindrome* skips spaces and punctuation when evaluating a palindrome, and ignores capitalization   * Partial credit for this item can be earned, if the code is partially correct. | (20 pts) |
| Demonstrates good programming style (3 pts each):   * includes header comment with your name, date, name of program, purpose of program * descriptive comments for code sections are included * descriptive comments for functions * no disallowed warnings occur * base-case/recursive-cases are indicated in comments. | (15 pts) |

***Points Lost***

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| ***Specification*** | ***Points Lost*** |
| Iterative constructs must not be used (such as for, while, etc) or prohibited built-in ML functions are used (such as reverse). | (-40%) |
| Late assignments will lose 10 percent for each portion of a day they are late, counting from the time that the program is due. | days \* (-10%) |
| Program does not run on csci-madison – no credit for project. | (-100%) |