CS 401_04

April 18, 2024

Group 3

Assignment 3: Test Report

Test Coverage:

All implemented string operations (concatenation, reversal, uppercase, trimming) were tested using various input scenarios, including empty strings, single characters, numeric strings, and strings with whitespace.

Test Case Results:

Test case 1: Passed

Test case 2: Passed

Test case 3: Passed

Test case 4: Passed

Test case 5: Passed

Test case 6: Passed

Test case 7: Passed

Test case 8: Passed

Test Findings:

No issues were encountered during testing. All test cases passed successfully, meaning that the string operation methods behave as expected with the previously described input scenarios.

However, it is worth noting that the operation methods only accept string inputs and can cause an error if not handled correctly.

Conclusion:

In conclusion, testing its operation methods confirms the reliability and validity of the StringUtils class by demonstrating good functionality and handling of different types of inputs effectively and timely. Moreover, the parameterized JUnit test cases provide in-depth coverage and validation of the string operation methods. No issues were identified during testing with strings, further demonstrating the good reliability and handling of the implemented string operations ensuring that the class functions as intended across various input scenarios, contributing to the overall quality of the software.