

CS 401_04

April 18, 2024

Group 3

Assignment 3: Test Plan

Test Objectives:

- Verify the reliability and handling of the string operation methods implemented in the StringUtils class.
- Ensure proper functionality of string concatenation, reversal, uppercase conversion, and trimming operations.
- Validate the behavior of these methods under different input scenarios, including edge cases and typical use cases.

Test Scenarios:

1. Concatenation of two strings.
2. Reversal of a string.
3. Conversion of a string to uppercase.
4. Trimming of leading and trailing whitespace.

Test Data:

The test data includes various types of string inputs:

- Empty strings
- Single characters

- Numeric strings
- Strings with whitespace
- Special character strings
- Combinations of all of the above