Test Report Document for Assingment #3: StringUtils Class

1. Executive Summary
- The **StringUtils** class was subjected to a series of unit tests to verify the functionality of its string manipulation methods. All tests passed successfully with no defects found.

2. Test Overview
- **Scope:** Tests covered methods for concatenating, reversing, converting to uppercase, and trimming strings.
- **Objectives:** Confirm that each method correctly processes various input scenarios including edge cases.

3. Test Details
- **Test Environment:** Tests were conducted on eclipse using JUnit 4.13.2.
- **Test Period:** Testing was conducted over a period of 1 day.

4. Results
- **concatenate:**
  - Tests run: 5, Passed: 5, Failed: 0
- **reverse:**
  - Tests run: 4, Passed: 4, Failed: 0
- **toUpperCase:**
  - Tests run: 3, Passed: 3, Failed: 0
- **trim:**
  - Tests run: 3, Passed: 3, Failed: 0

5. Defects
- No defects were found during the testing of the **StringUtils** class methods.

6. Evaluation
- The testing confirms that the **StringUtils** class functions as intended. Each method met the expected outcomes under a variety of test conditions.

7. Recommendations and Conclusion
- **Recommendations:** No changes to the code are necessary based on current test results. Future testing cycles could explore integration with other components if dependencies increase.
- **Conclusion:** The StringUtils class is robust and reliable as demonstrated by the current test suite. The methods are ready for integration into the larger application.