COMPGS04/M024: Tools and Environments

Coursework 2 (Group Coursework)

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1 Introduction

1.1 Sub-section

2 Paper 1

2.1 Sub-section

3 Paper 2

3.1 Sub-section

4 Paper 3

4.1 Sub-section

5 Paper 4

5.1 Sub-section

6 Paper 5

6.1 Sub-section

7 Tool requirements

7.1 Overview

The following list of requirements are formed from the defined set of requirements in the coursework brief and based on our algorithm choice, plagiarism detection.

7.2 Requirements

1. The tool must work via command line and should not have a graphical interface.
2. Input taken should be the names of two files as command lines arguments.
3. The output should be a similarity measure to STDOUT as a percentage.
4. The tool will output additional results from running the plagiarism detection algorithm
5. Input Java source files will be parsed using a Java parser library, ANTLR.
6. The tool will be written in Java (version 6) to meet the requirements for the parser library.
7. The tool will not invoke the JPLAG binary or any other similarity testing tool.
8. The output of similarity measurement by plagiarism detection algorithm will complete in reasonable time for expected inputs. Expected inputs are generally Java source code files and specifically under testing TOH.java, variants of TOH.java and arbitrary dissimilar test inputs.
9. The tool will use the JUnit testing framework to carry out the pairwise comparison.

8 UML Diagrams of architecture

8.1 Sub-section

9 Tool implementation

9.1 Sub-section

10 Testing

10.1 Sub-section

11 Results of pairwise comparison

11.1 Sub-section

12 Evaluation of results and project review

12.1 Sub-section

13 Responsibilites

13.1