TESTING DOCUMENT

1. TESTING PLANS

This document specifies the different types and levels of testing that were performed on the project 'Java Stats'. Since this project is meant to provide an analysis of other java projects and potentially point out their flaws, it is important that this project is not flawed. Rigorous testing had to be implemented to verify that all the aspects of the project being analyzed were captured and presented within a reasonable amount of time.

2. TESTING STRATEGIES

The system has just 1 user input (The folder of the java project to be analyzed). Since there exists just 1 input, a comprehensive suite of tests was uncalled for. Also since the application relies more on user analysis rather than user interaction, the preferred approach for testing was Manual rather than automated to ensure all the values are getting displayed correctly as expected. A tweaked form of performance testing had to be conducted to view how the application performed when an extremely large java project was given as an input

3. TESTING METHODS

Manual testing was conducted in accordance with the below test cases. In addition to the manual testing, comprehensive JUNIT testing was also performed.

3.1. Display Welcome Screen

Step	Expected Result	Actual Result	Status
Launch the application	Application gets launched, and a welcome screen is displayed	The Welcome screen gets displayed	Success

3.2 Selecting a folder containing java source files

Step	Expected Result	Actual Result	Status
Click on select folder button	a new dialog to select folder is displayed	a new dialog to select folder is displaye	Success
Select a folder containing java source files	the folder is selected and user is navigated to next screen	the folder is selected and user is navigated to next screen	Success

3.3 Selecting a package to further analyze

Step	Expected Result	Actual Result	Status
Click on package name which needs further analysis	user gets navigated to next screen	user gets navigated to next screen	Success

3.4 Selecting a class to further analyze

Step	Expected Result	Actual Result	Status
Click on class name which needs further analysis	user gets navigated to next screen	user gets navigated to next screen	Success