

pylinkvalidator  
Test Report : newAGEtech, Group H

Genevieve Okon (Okong), Abraham Omorogbe(Omorogoa),  
Eric Le Forti(Leforte)

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## Revision History

Revision	Revision Date	Description of Change	Author
1	20-10-15	Initiate Test Plan Document	Eric Le Fort

Table 1: Revision History

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# 1 Introduction

## 1.1 Objective

The purpose of this report is to specify the methodology of testing to be used for Pylinkvalidator in detail. Every test case will be accompanied by a short description to convey the reason each test was written as well as a breakdown of expected results as well as whether those results were achieved or not. Following that section the document will trace the tests back to the requirements and then provide a more general summary of the results of testing.

## 1.2 Approach

The methodology to be used for testing will involve a succinct set of tests to prove each requirement is fully functional and performing at an acceptable level. These tests will cover white-boxed boundary cases, cases dealing with extremes as well as standard cases.

Certain tests, such as those concerning usability or involving acquiring user input, are tested much more straightforwardly using manual methods. Therefore, these sorts of tests will be performed in a manual manner. All other tests will be conducted using automated testing utilizing a testing suite known as PyUnit.

## 1.3 Tables of Acronyms, Abbreviations & Definitions

Term	Meaning
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Table 2: Acronyms & Abbreviations

Term	Definition
PyUnit	A widely accepted testing suite to be used with the Python programming language.

Table 3: Definitions

# 2 Functional System Tests

## 2.1 F1: Exact String Searching

Process	Expected Results	Actual Results
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Table 4: F1 Tests

## 2.2 F2: Similar String Searching

//TODO traceability,

Process	Expected Results	Actual Results
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Table 5: F2 Test Cases

//TODO write tests and determine sections

## 3 Non-Functional Tests

### 3.1 Usability

//TODO list as NF1:, NF2:,..., NF<sub>n</sub> //TODO

### 3.2 Performance

//TODO

### 3.3 Robustness

Implicitly included within the list of functional test cases since extreme cases as well as boundary cases will be performed.

## 4 Traceability to Requirements

Requirement Designation	Associated Requirement
F1	Functional requirements 5 and 7.
F2	Functional requirements 5 and 7.

Table 6: F1 Tests

//TODO ensure above table is fully completed after completion of test case specifications.

## 5 Testing Summary

### 5.1 Code Coverage

### 5.2 Testing Results

### 5.3 Changes Due to Testing

