**TABLE OF CONTENTS**

1 Introduction 3

1.1 Document overview 3

1.2 Abbreviations and Glossary 3

1.2.1 Abbreviations 3

1.2.2 Glossary 3

1.3 References 3

1.3.1 Project References 3

1.3.2 Standard and regulatory References 3

1.4 Conventions 3

2 Overview of Tests Results 4

2.1 Tests log 4

2.2 Rationale for decision 4

2.3 Overall assessment of tests 4

2.4 Impact of test environment 4

3 Detailed Tests Results 5

3.1 Tests 5

# Introduction

## Document overview

This document is the software test report of the first testing phase of the IP-Web-Cralwer software development project. It contains the results of tests, which were executed during the testing phase one.

## Abbreviations and Glossary

### Abbreviations

Crawl is the CrawlerService class

Sitemap is the SiteMapService class

Search is the SearchService class

### Glossary

No definitions required.

## References

### Project References

| # | Document Identifier | Document Title |
| --- | --- | --- |
| - | - | No references required |

### Standard and regulatory References

|  |  |  |
| --- | --- | --- |
| # | Document Identifier | Document Title |
| 1 | [TeamSubsonic][WebCrawler][SDD].docx | Software design description |
| 2 | [TeamSubsonic][WebCrawler][SRS].docx | Sofware requirments specifications |

## Conventions

No conventions required

# Overview of Tests Results

## Tests log

The IP-Web-Crawler software (version 1.0.0) was tested on the Windows test platform, from the 2020/12/17 to the 2020/12/20. The tests of the test phase (ref. software test plan) where executed.

Testers where:

* Hariga George,
* Ghenea Claudiu,
* Pantucu Flavius,
* Florea Vlad

## Rationale for decision

After executing a test, the decision is defined according to the following rules:

* **OK:** The test sheet is set to "OK" state when all steps are in "OK" state. The real result is compliant to the expected result.
* **NOK:** The test sheet is set to "NOK" state when all steps of the test are set to "NOK" state or when the result of a step differs from the expected result.
* **NOT RUN:** Default state of a test sheet not yet executed.
* **NOT COMPLETED:** The test sheet is set to "Not Completed" state when at least one step of the test is set "Not Run" state.

Tests results are listed in §3.

## Overall assessment of tests

Statistics about tests:

* 55% of tests OK,
* 45% of tests NOK

Give also statistics about bugs and enhancements:

* Total number
* Number of Critical: 2
* Number of Major: 3
* Number of minor: 1
* Number of enhancements: 2

## Impact of test environment

Intellij doesn’t have an impact on the application.

# Detailed Tests Results

For each executed test, this document contains:

* Test identification;
* Test title;
* Test decision;
* A comment containing additional information or problems encountered during execution and differences with the test procedure.

For the problems leading to a bug, the bug ID is reported in the result of the step where problem was encountered.

## Tests

For each NOK in a step, at least one bug shall be created (or referenced if already exists).

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **1** |  | **Decision** |
| Test description | Parse args test. |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | crawl -in url.txt | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | None | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Downloaded domain in out folder |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Start CrawlController | Start CrawlController | OK |
| 2 | ParseArgs | Parsed args and service started | NOK: #66 bug |

Examples of tests decisions, results and comments.

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **2** | **Comment** | **Decision** |
| Test description | Parse args test |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | None |  |
| Tests inputs | crawl -in url.txt |  |  |
| Data collection actions | None |  |  |
| Tests outputs | Crawler didn’t stop |  |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Args are parsed and crawler downloads files |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start Crawl | Crawl is started | OK |
| 3 | Downloads files | Downloads files (Not in folder from args) | NOK: #67 |
| 4 | Stops | Doesn’t stop | NOK: #70 |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **3** | **Comment** | **Decision** |
| Test description | Crawler test |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | None |  |
| Tests inputs | crawl -in url.txt |  |  |
| Data collection actions | None |  |  |
| Tests outputs | Crawler downloads and stops |  |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Args are parsed and crawler downloads files and stops |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start Crawl | Crawl is started | OK |
| 3 | Downloads files | Downloads files | OK |
| 4 | Stops | Stops | OK |

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **4** | **Comment** | **Decision** |
| Test description | Test Sitemap |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | sitemap -in dbcenter.ro(is a folder where we downloaded before) -out sitemap.txt | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | None | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Sitemap.txt |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start service | FAILED | NOK: #72 |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **5** | **Comment** | **Decision** |
| Test description | Test Sitemap |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | sitemap -in dbcenter.ro -out sitemap.txt | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Sitemap.txt | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Sitemap.txt |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start service | Started | OK |
| 3 | Write sitemapFile | Succes | OK |

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **6** | **Comment** | **Decision** |
| Test description | Logger Test |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | sitemap -in dbcenter.ro -out sitemap.txt -config Conf.cfg | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Sitemap.txt | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Sitemap.txt |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start service | Started | OK |
| 3 | Write sitemapFile | Succes | OK |
| 4 | Logger write | Logger doesn’t write to file | NOK: #76 |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **7** | **Comment** | **Decision** |
| Test description | Logger Test |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | sitemap -in dbcenter.ro -out sitemap.txt -config Conf.cfg | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Sitemap.txt | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Sitemap.txt |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args | OK |
| 2 | Start service | Started | OK |
| 3 | Write sitemapFile | Succes | OK |
| 4 | Logger write | Succes | OK |

NOK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **8** | **Comment** | **Decision** |
| Test description | Search test initialization |  | NOK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | Search -in path -maxsize size -extensions ext -keywords something -pattern cv\_regex | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | None | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | None |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args incorectly | NOK: #83 |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **9** | **Comment** | **Decision** |
| Test description | Search test |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | search -in testFolder -maxsize 200000 -extensions pdf txt | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Files | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Files |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args OK | OK |
| 2 | Search service run | Files | OK |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **10** | **Comment** | **Decision** |
| Test description | Search test |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | search -in testFolder/images -maxsize 200000 -extensions jpg | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Files | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Files |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args OK | OK |
| 2 | Search service run | Files | OK |

OK

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **11** | **Comment** | **Decision** |
| Test description | Search test |  | OK |
| Verified Requirement | SRS-REQ-001 | Same as in test desc. |  |
| Initial conditions | None | Same as in test desc. |  |
| Tests inputs | search -in testFolder -maxsize 19000 -extensions txt | Same as in test desc. |  |
| Data collection actions | None | Same as in test desc. |  |
| Tests outputs | Files | Same as in test desc. |  |
| Assumptions and constraints | None |  |  |
| Expected results and criteria | Files |  |  |
| **Test procedure** |  |  |  |
| **Step number** | **Operator actions** | **Expected result and evaluation criteria** | **Result** |
| 1 | Parse args | Parsed args OK | OK |
| 2 | Search service run | Files | OK |