

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 1 / 11

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 2 / 11

## **TABLE OF CONTENTS**

<b>1</b>	<b>Introduction</b>	<b>3</b>
1.1	<i>Document overview</i>	3
1.2	<i>Abbreviations and Glossary</i>	3
1.2.1	Abbreviations	3
1.2.2	Glossary	3
1.3	<i>References</i>	3
1.3.1	Project References	3
1.3.2	Standard and regulatory References	3
1.4	<i>Conventions</i>	3
<b>2</b>	<b>Overview of Tests Results</b>	<b>4</b>
2.1	<i>Tests log</i>	4
2.2	<i>Rationale for decision</i>	4
2.3	<i>Overall assessment of tests</i>	4
2.4	<i>Impact of test environment</i>	4
<b>3</b>	<b>Detailed Tests Results</b>	<b>5</b>
3.1	<i>Tests</i>	5

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 3 / 11

## 1 Introduction

### 1.1 Document overview

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

### 1.2 Abbreviations and Glossary

#### 1.2.1 Abbreviations

Crawl is the CrawlerService class

Sitemap is the SiteMapService class

Search is the SearchService class

#### 1.2.2 Glossary

No definitions required.

### 1.3 References

#### 1.3.1 Project References

#	Document Identifier	Document Title
-	-	No references required

#### 1.3.2 Standard and regulatory References

#	Document Identifier	Document Title
1	[TeamSubsonic][WebCrawler][SDD].docx	Software design description
2	[TeamSubsonic][WebCrawler][SRS].docx	Software requirements specifications

### 1.4 Conventions

No conventions required

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 4 / 11

## 2 Overview of Tests Results

### 2.1 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

### 2.2 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.

### 2.3 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

### 2.4 Impact of test environment

Intellij doesn't have an impact on the application.

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 5 / 11

### 3 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.

#### 3.1 Tests

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.	

## Software Test Report of IP-WEB-CRAWLER

Doc #

Version: 01

Page 6 / 11

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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
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

<b>Test ID</b>	<b>3</b>	<b>Comment</b>	<b>Decision</b>
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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args	OK
2	Start Crawl	Crawl is started	OK
3	Downloads files	Downloads files	OK
4	Stops	Stops	OK

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 7 / 11

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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
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		
<b>Test procedure</b>			

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 8 / 11

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		
<b>Test procedure</b>			
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.	



Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 9 / 11

Assumptions and constraints	None		
Expected results and criteria	Sitemap.txt		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args	OK
2	Start service	Started	OK
3	Write sitemapFile	Succes	OK
4	Logger write	Succes	OK

NOK

<b>Test ID</b>	<b>8</b>	<b>Comment</b>	<b>Decision</b>
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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args incorectly	NOK: #83

OK

<b>Test ID</b>	<b>9</b>	<b>Comment</b>	<b>Decision</b>
Test description	Search test		OK
Verified Requirement	SRS-REQ-001	Same as in test desc.	
Initial conditions	None	Same as in test desc.	

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 10 / 11

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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args OK	OK
2	Search service run	Files	OK

OK

<b>Test ID</b>	<b>10</b>	<b>Comment</b>	<b>Decision</b>
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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args OK	OK
2	Search service run	Files	OK

OK

<b>Test ID</b>	<b>11</b>	<b>Comment</b>	<b>Decision</b>
----------------	-----------	----------------	-----------------

Software Test Report of IP-WEB-CRAWLER		
Doc #	Version: 01	Page 11 / 11

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		
<b>Test procedure</b>			
<b>Step number</b>	<b>Operator actions</b>	<b>Expected result and evaluation criteria</b>	<b>Result</b>
1	Parse args	Parsed args OK	OK
2	Search service run	Files	OK