1. **purpose**

Programm ListBoxer v. 1.98 is intended for creating alphabetic-numeric universal lists. ListBoxer allows to open previously created lists and save modified lists as files on a disc.

1. **Features to be tested**

For the programm

* Requirement\_1 – smoke test
* Requirement\_2\_1 – smoke test
* Requirement\_2\_2 – critical path test
* Requirement\_2\_3 – critical path test
* Requirement\_2\_4 – critical path test
* Requirement\_2\_5 – critical path test
* Requirement\_2\_6 – smoke test
* Requirement\_2\_7 – critical path test
* Requirement\_2\_8 – extended test
* Requirement\_2\_10 – extended test
* Requirement\_2\_11 – extended test

For list:

* Positive application testing (correct steps, correct data).
* Negative testing (implies the introduction of incorrect data).

## **Features not to be tested**

Requirement\_2\_9 (requirements cannot be tested on this version of windows).

## **Test strategy**

Programm «ListBoxer» will be tested using a “black box” method.

As a result of the first run of functional tests, changes and improvements will be made to the test plan. The first run of functional tests will give us a clear idea of the level of stability of the system and the set of tests that will be performed in each configuration will be clearly defined.

This approach will provide an opportunity to focus on bottlenecks.

All defects found will be recorded as separate bugs for subsequent correction.

As a result of testing, the customer will receive a set of documents with the full test result.

## **Criteria**

### 5.1 Acceptance criteria

Successful completion of 100% test cases of the level of smoke testing and 90% of test cases of the critical path level, provided that 100% defects of critical and high importance are eliminated. The total coverage of requirements with test cases should be at least 80%.

### 5.2 Criteria for starting testing

Build output.

### 5.3 Criteria for suspension of testing

Transition to the critical path test only upon successful completion of 100% smoke test test cases; testing may be suspended if more than 50% of them completed a defect upon completion of at least 25% of the planned test cases.

### 5.4 Criteria for resuming testing

Correction of more than 50% of defects detected in the previous iteration.

### 5.5 Criteria for completing testing

More than 80% of the test cases planned for iteration are completed.

## **Resources**

Software resources: Windows 10.

Human resources:

* team lead: (100% employment throughout the project);
* Senior tester (100% employment throughout the project).
* Senior test engineer participation in the review of requirements, create test cases
* Junior test engineer (100% employment throughout the project).

Temporary resources: one month.

Financial resources: according to the approved budget. Additional financial resources are not required.

1. **Schedule**

|  |  |  |
| --- | --- | --- |
| Stage | Start | The end |
| Analysis of requirements | 16.01.2020 | 18.01.2020 |
| Checklist development | 19.01.2020 | 19.01.2020 |
| Test-case development | 19.01.2020 | 25.01.2020 |
| execution test cases and write bug report | 26.01.2020 | 08.02.2020 |
| Writing test result report | 16.02.2020 | 23.02.2020 |

1. **Risks**

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## **Roles and responsibility**

Team lead: manages his team, owns the technical side, takes part in work (write test plan, test result report) of the project.

Senior test engineer participation in the review of requirements, create test cases

Junior test engineer participation test execution and write bugs report.

1. **Documentation**

Test plan. Responsible – Team lead, creation period January 16.02-23.02.20

Test result report. Responsible Team lead, the date of readiness is 16.02-23.02.20

Test cases. Responsible Senior test engineer, the date of readiness is 19.01.20-25.01.20

Bug reports. Responsible Senior test engineer, the date of readiness is 26.01.20-08.02.20

## **Metrics**

Successful completion of test cases for the first sprint:

= = 60%

где – percentage of successful completion of test cases;

– the number of successfully completed test cases;

– total number of completed test cases.