**Test result report**

**Calculator (calc.exe)**

**01.12.2022-15.12.2022**

**Test team:**

| **Name** | **Position** | **Role in the project** |
| --- | --- | --- |
| Daria Pavlovskaya | Tester | Functional testing |

**Testing process description:**

Test environment: OC Windows 10 build 15831.20208, OC Windows 7 build 7601, OC Windows XP build 2428.

Test level: System testing.

Test types used: Functional, GUI, Localization.

All test scenarios were created based on customer requirements (see [Customer requirements](https://docs.google.com/document/d/1RaioejcimftT-9Cjom_86cLRflXU14OA/edit?usp=sharing&ouid=118291151581288854529&rtpof=true&sd=true) or can see Requiremts\_Calc\_3.docx by email) using black-box techniques.

All tests performed manually, execution details see at: [TestRail](http://tut.by/) test plan and test statistic sections of this document.

**Summary:**

News: Project closes on 15.12.2022

Test Status: Red

Test Analysis: There are 17 bugs found, it seems as expected , as this build is for training testing.

**Testing timetable:**

| Tester | Date | Description | Duration |
| --- | --- | --- | --- |
| Daria Pavlovskaya | 01.12.2022 | Drafting questions to customer for clarify requirements about the creation of a calculator for company; | 3h |
| Daria Pavlovskaya | 4.12.2022 | Studying the customer requirements; | 1h |
| Daria Pavlovskaya | 5.12.2022 | Creating check-lists for smoke, critical path test and for test requirement #22.2; creating test cases and test suites for smoke test and test requirement #22.2; | 2h |
| Daria Pavlovskaya | 8.12.2022 | Creating test plan for test in configurations of Windows 10, Windows 7, Windows XP requirements #22.2 in TestRail ; | 0.25h |
| Daria Pavlovskaya | 11.12.2022 | Creating test plan for smoke test in configurations of Windows 10, Windows 7, Windows XP in TestRail; Testing according test plans and like “standard user”; creating bug report; | 5h |

**Recommendations**:

Due to the fact that 80% of issues found related to math operations, I would recommend to focus on corrections for basic functionality first and only then proceed with new features development. Also recommend to pay attention to retest, as the bugs identified with mathematical values and system crash are critical.

**New bugs found:**

| 1 | medium | Russian text isn't displayed in the calculator interface when the system language isn’t Russian |
| --- | --- | --- |
| 2 | critical | "5" entered like "55" |
| 3 | critical | "6" entered like "9" |
| 4 | critical | "9" entered like "6" |
| 5 | critical | button "8" disappears from interface after clicking on it |
| 6 | minor | button "0" color turns blue on click |
| 7 | minor | the user does not see what has been done when making a calculation |
| 8 | minor | the value of the arithmetic buttons after clicking does not appear in the i/o field |
| 9 | minor | empty default i/o field |
| 10 | major | operation with decimal number leads to error |
| 11 | major | incorrect count subtraction with 2 20-digit numbers |
| 12 | major | clicking on an empty digit space gives an error |
| 13 | critical | clicking 3 times on an empty digit space gives an error and application is quit |
| 14 | minor | layout error button "\*" |
| 15 | minor | instead of "x2" button a fox is displayed |
| 16 | critical | application is quit by blank click in scientific mode near with "fox" and "√x" |
| 17 | minor | image of fox opens after calculating a square |

**All bugs statistics:**

| **Status** | **Quantity** | **Severity** | | | |
| --- | --- | --- | --- | --- | --- |
| **Critical** | **Major** | **Medium** | **Minor** |
| New | 17 | 6 | 3 | 1 | 7 |