**Test result report of Calculator app build 1.0.0**

(during period **15.02.2021 – 06.03.2021**)

1. **Test team**

Andrew Vashkevich – (QA Engineer) interviewing the customer, preparing the requirements, creating check-list and test cases for the app, functional testing the app, creating bug reports, preparing TRR for build 1.0.0

Maksim Pretkel (QA Test Lead) – reviewing requirements, check-lists, test cases, bug reports, TRR for build 1.0.0

1. **Testing process description**

Test environment: OS Window 10 64 bit

Test level: System testing

Test type used: requirement testing, Functional, GUI, Usability

All test scenarios where created based on customer requirements isung black-box testing techniques.

All tests performed manually, execution details see at: TESTRAIL test run and test statistic sections of this document

1. **Summary**

**News:** Nest build Calc v1.0.1 is planned on next Tuesday, so an additional regression cycle is planned.

**Test status:** Orange

**Test analysis:**

During the period 15.02.2021 – 06.03.2021:

1. The requirements for the app were described based on an interview with the customer.
2. Based on app requirements the check-list with 85 ideas were created.
3. Test cases were prepared in the amount of Smoke test suite (37 test cases), test suite for Square root functionality (6 test cases), test suite for Addition functionality (11 test cases).
4. The first build (v.1.0.0) of the app were released and tested with following results:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Passed | Blocked | Failed | Overall |
| Smoke test suite | 16 | 12 | 9 | 37 |
| Square root test suite | 0 | 6 | 0 | 6 |
| Addition test suite | 9 | 0 | 2 | 11 |

Quality of build 1.0.0 is very poor, one of the main functionality (Scientific mode) was not implemented almost at all. But considering that this is the first build and provided the increasing quality of developers work, we can expect a decrease in the number of bugs in the next build.

**Plans for next week:** complete test cases creation, receive build 1.0.1, start test execution.

**Problems:** -

**Risks:** As far as quality of build 1.0.0 is very poor, I suggest to execute full regression on build 1.0.1

**4. Testing timetable**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Date | Description | Duration, h |
| Andrew Vashkevich | 22.02.2021 | Interviewing the customer | 2 |
| 23.02.2021 | Preparing the requirements | 5 |
| 25.02.2021 | Creating check-lists the app | 5 |
| 28.02.2021 | Creating test suites for the app | 5 |
| 02.03.2021 | Functional testing the app | 2 |
| 03.03.2021 | Creating bug reports | 3 |
| 06.03.2021 | preparing TRR for build 1.0.0 | 1 |

1. **Recommendations**

There is need to execute full regression on build 1.0.1

1. **New bugs found**

|  |  |  |
| --- | --- | --- |
| **ID** | **Severity** | **Summary** |
| 1 | Major | Buttons [x2], [√x] doesn't appear after switching the app to the Scientific mode |
| 2 | Major | Button [9] is unclickable from the numeric panel |
| 3 | Critical | When calculating an expression of two numbers, 15 is added to the second number if the second number is greater than 100 |
| 4 | Medium | The maximum number of symbols entered is 29 instead of 20 |
| 5 | Major | Entering an unallowed symbols (letters) doesn't occurs an "Error message" |
| 6 | Major | Expressions typed from the keyboard perceived as text messages and occurs "Error message" |
| 7 | Minor | Empty Display field instead of showing number "0" after starting an app |
| 8 | Minor | Button [2] have bold font and font size is bigger then 12 |
| 9 | Major | The language of app is Russian instead of English |
| 10 | Medium | App window doesn't maximize |
| 11 | Minor | Numeric panel is colored red when clicking on [Simple] button in Mode menu |
| 12 | Medium | Key [Enter] doesn’t perfrom result of calculation, but repeats previous button press |
| 13 | Critical | App crashes after entering number "1" as a 7th or further symbol |
| 14 | Critical | App crashes after clicking on free space outside of numeric panel |