

The Plan of cross-browser test session.

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This is the plan of cross-browser test session against www.chimeraprime.com. The goal of tests: ensure that the application can run with the combination of different browser, which was listed at tech requirements.

1. Date of test execution:
18.02.2020-21.02.2020

2. Test team:
Vadym Korolov

3. Scope:

During this test session will be executed manual (and automate, if Automated Tests were created earlier) functional tests of application on different browsers, which are listed in tech requirements, without access to the internal structure of application and information about future development of the application.

4. Coverage.

Tests which will be executed will cover 100% of AOT (Application Under Test).
Tests will cover 88,57% of Browser Market Share.

5. Test Completeness.

The criteria of test completing:

100 % Test coverage;

All Test Cases (manual and Automated if will be) are executed;

All open bugs are fixed or some bugs with low priority will be fixed in next release.

6. Resource & Environment Needs.

For test the application next tools will be needed:

- Requirements Tracking Tool (Jira or other tool used in organization);
- Bug Tracking Tool (Jira, TestRail or other tool used in organization);
- Automation Tool (if Automation Test will be executed).

Test Environment:

There are **devices and software's** which are required to test the Application:

Laptop with [Windows 10](#), [Chrome 78.0 \(64-bit\)](#);

MacBook with [MacOS 10.15](#), [Safari 13.0.4](#);

iPhone 7 - [iOS 13.X](#), [Safari 13.X](#);

Samsung Galaxy S8 - [Android 9.0 Pie](#), [Chrome 78.0](#);

Samsung Galaxy S9 - [Android 9.0 Pie](#), [Samsung Internet Browser 10.2](#).

7. Bug tracking report:

All bugs which will be found during test session will be reported on Bug Tracking Tool ([link](#)).

From information contained on the site www.chimeraprime.com we can conclude, that application is dedicated for users based in Norway. If it is not true, please give more closely information from requirement documentation.

For get information about browsers end devices market share I use actual data from January 2020, from site <https://gs.statcounter.com/>.

The desktop, mobile and tablet market share in Norway looks like - Mobile 38,31%, desktop 57,25%, tablet 4,44%¹. To ensure the best coverage we have to test the application on Desktop and Mobile devices, it will provide 95,56 % coverage.

Next information I used for analyses - browser market share in Norway². The main useful browses are Chrome – 52,9%, Safari – 32,28%, Samsung Internet – 3,39%.

Based on this information and analyzed information about the most useful devices, operating system and versions of browsers, I choose next devises for test the application.

- 1) Laptop with Windows 10, Chrome 78.0 – coverage: 88,69% from laptops end computers with Windows³, 65,04% from all desktop browsers⁴, 1-st place from all Chrome versions in Norway⁵;
- 2) MacBook with MacOS 10.15, Safari 13.0.4 – coverage: 16,2% from all desktop browsers⁶, 52,01% from MacOS⁷, the latest version of safari, because Apple forces users to update software to latest version;
- 3) iPhone 7 - iOS 13.X, Safari 13.X0 – coverage: 19,56% from mobile browsers⁸, 9,63% from mobile phones⁹, the most useful iOS on Iph7 - 94,4%¹⁰;
- 4) Samsung Galaxy S8 - Android 9.0 Pie, Chrome 78.0 – coverage: 3,58% from all cell phones¹¹, 52,42% from all Android devices¹², 1-st place from all Chrome versions in Norway¹³
- 5) Samsung Galaxy S9 - Android 9.0 Pie, Samsung Internet Browser 10.2 – coverage: 3,41%, from all cell phones¹⁴, 52,42% from all Android devices¹⁵, 8,84% from all browsers¹⁶, the latest version of Samsung Internet Browser.

¹ Source: <https://gs.statcounter.com/platform-market-share/desktop-mobile-tablet/norway>;

² Source: <https://gs.statcounter.com/browser-market-share/all/norway>;

³ Source: <https://gs.statcounter.com/windows-version-market-share/desktop/norway>

⁴ Source: <https://gs.statcounter.com/os-version-market-share/macos/desktop/worldwide>

⁵ Source: <https://gs.statcounter.com/windows-version-market-share/desktop/norway>

⁶ Source: <https://gs.statcounter.com/browser-market-share/desktop/norway>

⁷ Source: <https://gs.statcounter.com/os-version-market-share/macos/desktop/worldwide>

⁸ Source: <https://gs.statcounter.com/browser-version-market-share/all/norway>

⁹ Source: <https://deviceatlas.com/blog/most-popular-smartphones#no>

¹⁰ Source: <https://david-smith.org/iosversionstats/>

¹¹ Source: <https://deviceatlas.com/blog/most-popular-smartphones#no>

¹² Source: <https://deviceatlas.com/blog/most-popular-smartphones#no>

¹³ Source: <https://gs.statcounter.com/windows-version-market-share/desktop/norway>

¹⁴ Source: <https://deviceatlas.com/blog/most-popular-smartphones#no>

¹⁵ Source: <https://deviceatlas.com/blog/most-popular-smartphones#no>

¹⁶ Source: <https://gs.statcounter.com/browser-market-share/mobile/norway>