| **Introduction** |
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| Ringl is a secure platform for all your communication needs. Users can exchange end-to-end encrypted messages, share files, make free voice, and video calls.  Your communication belongs to you:  - Secure free high-quality voice and video calls with no time limit.  - End-to-end encrypted conversations by default ensure data privacy and security.  - Additional protection and privacy in Secure Groups with unique encryption keys.  Streamline all communication with messaging, voice and video calls, files sharing  - Host online communities and reach an unlimited audience with public/ private groups and channels.  - Synchronize all messages across mobile and desktop (up to 3 linked devices).  - Easily share large videos & documents of any type up to 100 MB.  - Remove language barriers with real-time offline translation of chats  Flexible and powerful privacy features help protect your personal data  - Protect sensitive information with Confidential Content.  - Hide your conversations with Hidden Chats.  - Receive screenshot notifications.  - Enhance your online privacy and protect your data on unsecured networks with our in-app VPN that works throughout your device.  Simplify your personal conversations  - Save important messages, links, videos or action items for review at a later time across any of your devices with Notes to Self.  Fun  - Express yourself & send stickers, emoji, GIFs  - Change the appearance of your app with customizable themes |
| **Scope of work** |
| Components and Functions to be Tested |
| **Functionality:**  Installing and launching the application  Update and removal  Registration  Authorization  Field Validation  p2p chats, group chats, notes to self  Message (text, voice)  Sending files  Copy, paste, forward, reply to a message, select (iOS only)  Calls (audio and video), call log, calls from chat, calls in the background of the app  Displaying calls in the phone log (iOS only)  Camera/Microphone/Speaker  Groups  Communities  Channels  Pin/unpin/delete a chat  Folders  Find user  User blocking  Invite user (ios-android, android-ios, ios-ios, android-android)  Search by messages  Contacts |
| Navigation between application sections  Application operation without internet  Different types of connections (cellular/Wi-Fi)  Profile settings:  profile photo  username  profile description (Android only)  user id (Android only)  Email (Android only)  App settings:  notifications  privacy and security  appearance  network  about app  Operation of pop-up, PUSH notifications  Minimizing/maximizing an application  Screen orientation (landscape/portrait) |
| **Compatibility:**  Correct display of geo  Date and time display  Sensor testing (proximity when talking)  Interrupt testing (incoming call/sms/push/alarm/do not disturb, etc.)  Connecting external devices (memory card/headphones, etc.) |
| **Safety:**  Permission testing (access to camera/microphone/gallery/etc.)  User data (passwords) are not transmitted in clear text  In fields with password entry and password confirmation, the data is hidden by masks |
| **Usability:**  Correct display of elements on devices with different screen resolutions  All fonts meet the requirements  All texts are properly aligned  All error messages are correct, without spelling and grammatical errors  Correct screen titles  Inactive items are grayed out  Animation between transitions  Correct return to the previous screen  Supports basic gestures when working with touch screens (swipe back, etc.) |
| **Cross platform:**  Application performance on various devices |
| **Performance:**  App download time  Data caching  Application resource consumption (battery consumption) |
| Components and Functions not to be Tested |
| - VPN;  - localization;  - translation. |
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| Third-Party Components |
| Devices:  Android 12  iOS 16.1.1  iOS 14.7.1 |
| **Test strategy** |
| Test methods - manual  Test types:  - component testing;  - integration testing;  - system testing;  - functional testing;  - non-functional testing;  - compatibility testing.  Test levels:  - smoke test;  - critical path test. |
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| **Test documentation** |
| Test plan  Check lists  Test cases  Bug reports  Test result report |
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| **Criteria for starting testing** |
| Availability of test documentation.  Completeness of development.  Ready test environment. |
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| **Criteria for the end of testing** |
| The test results meet the product quality criteria:  - requirements for the number of open bugs are met;  - exposure of a certain period without changing the source code of the application;  - exposure of a certain period without opening new bugs. |
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| **Team description** |
| Test team:  Batura Kseniya - QA Lead  Vezhnavets Alina - QA engineer  Vlasik Ilona - QA engineer  Voitovich Helen - QA engineer  Test Hardware:  [Samsung Galaxy A51](https://catalog.onliner.by/mobile/samsung/sma515fds464b) 4/64 (Android 12)  Iphone 11 4/64 (iOS 16.1.1) Xiaomi Poco X3 Pro 8/256 (Android 12)  Iphone 7 2/32 (iOS 14.7.1) |
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| **Schedule** |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Task** | **Duration** | **Start** | **End** | **Real time** | **Responsible** |
| Drawing up a test plan | 1 days | 30.01.2023 | 30.01.2023 | 2 days 30.01.23- 31.01.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Test plan adjustment | 1 days | 31.01.2023 | 31.01.2023 | 1 days 01.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Creation of checklists | 5 days | 03.02.2023 | 07.02.2023 | 3 days 02.02.23- 04.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Correction of checklists | 1 days | 08.02.2023 | 08.02.2023 | 1 days 05.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Running the checklist | 2 days | 09.02.2023 | 10.02.2023 | 5 days 06.02.23- 10.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Writing test cases (smoke tests) | 1 days | 11.02.2023 | 11.02.2023 | 1 days 11.02.23- 11.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Writing test cases (critical paste tests) | 1 days | 12.02.2023 | 12.02.2023 | 2 days 13.02.23- 14.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Correction of test cases | 1 days | 13.02.2023 | 13.02.2022 | 1 days 15.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Running Tests (smoke tests) | 1 days | 14.02.2023 | 14.02.2022 | 1 days 16.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Running Tests (critical paste tests) | 2 days | 15.02.2023 | 16.02.2023 | 3 days 17.02.23 19.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Writing a bug report on completed test cases | 3 days | 17.02.2023 | 19.02.2022 | 1 days 20.02.23 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Adjusting the Test Result Report | 1 days | 20.02.2022 | 20.02.2022 | 1 days 21.02.2023 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |
| Prepare a presentation of the work done and its results | 1 days | 21.02.2023 | 22.02.2023 | 1 days 22.02.2023 | Batura Kseniya  Vezhnavets Alina  Vlasik Ilona  Voitovich Helen |