Introduction

Ringl Messenger is a mobile application where users can exchange **end-to-end encrypted messages**, share media files, make **free voice and video calls**, and manage contacts. Users can create **group chats**, **group calls**, and **video conferences**, edit their profile, and customize various application settings. **Ringl** also allows users to hide chats, enable **confidential mode**, and receive notifications for screenshots or video recordings.

The **Ringl Messenger** app caters to a wide range of users who wish to communicate and share information via mobile devices. It can be used for both **personal** and **business purposes**.

The goal of this testing is to verify the functionality, reliability, performance, and security of the **Ringl Messenger** mobile application. We plan to test all core features of the app and ensure its compatibility with various platforms and devices.

Testing Team roles and responsibilities:

Testing team includes QA, responsible for test-cases execution, identifying bugs and composing test-reports.

Role	Responsibilities
Lead QA Engineer	· QA Team management · Test Plan creation · Test Result Report creation · Testing · Test cases and checklists creation · Bugs reporting · Bugs verification
QA Engineer	· Testing · Test cases and checklists creation · Test runs · Bugs reporting · Bugs verification

Scope of Work

To be tested

- Installation
- Registration
- 1-1 Chats
- Group Chats
- Contacts
- 1-1 Calls
- Group Calls
- Video Calls
- Video Conferences
- Groups
- Channels
- Profile
- File Exchange
- Settings
- Search
- UI/UX
- Interrupt testing
- Cross-platforming testing
- Equivalence classes testing
- Boundary Value Analysis

Not to be tested

- Logout
- Account deletion
- Vpn
- Localisation
- Payments

3rd party Components

Operations Systems

- iOS 15.8, 17.0.3
- Android 11

Mobile Devices Matrix

Device	Type	Screen resolution	OS version
Xiaomi Redmi Note 8T	Android	1080 x 2340	11
iPhone 13 Pro Max	iPhone	2778 x 1284	17.0.3
IPhone 7	IPhone	1334 x 750	15.8

Test Strategy

- **Test planning:** The testing team will review the requirements and develop a test plan that outlines the testing scope, objectives, and timelines specific to app functionalities.
- **Test design:** The testing team will develop test cases and test scenarios based on the app requirements. Test data will be identified, and test environments will be set up.
- **Test execution:** The test cases and checklists will be executed using manual testing techniques. The testing team will report and track defects, and retest fixed defects.
- **Test reporting:** The testing team will prepare and share test reports that summarize the testing progress, the number of defects, and the overall quality of the banking application.

Test Types

- Functional Testing
- Smoke Testing
- Non-functional Testing
- Reliability
- Performance

Test Documentation

- Test Cases
- Test Checklists
- Bug Reports
- Test Result Report

Acceptance Criteria

The mobile application is considered as accepted if:
- All acceptance test cases are passed
- All critical and major bugs are fixed
- All main flow functionality works as intended

Team Description

- Volha Novikova Team Lead, QA Engineer. Checking tests for: Ilya Meleshkevich, Polina Korolenko
- Ilya Meleshkevich QA Engineer. Checking tests for: Polina Korolenko, Volha Novikova
- Polina Korolenko QA Engineer. Checking tests for: Ilya Meleshkevich, Volha Novikova

Schedule

90 hours are scheduled for the project:

Stage	Description	Duration
Planning	Defining the objectives, strategy, scope and resources of testing	10 hours
Documentation	Developing the test plan, test cases, test data and test reports	30 hours
Functional testing	Verifying the functions and features of the application, such as registration, login, profile, contacts, chat, calls, file sharing, notifications and encryption	15 hours
Non-functional testing	Verifying the performance, security, usability and compatibility of the application on different devices, platforms	15 hours
Bug logging and reporting	Recording, evaluating and tracking the defects found during testing	10 hours
Final report	Preparing and providing the final report on the testing results, including statistics, analysis, conclusions and recommendations	10 hours

- Weekly meeting - tuesday 8 pm
- Check up meeting - friday 8 pm
- Flexible schedule