

TEAM ORANGE

Confide Instant Messaging System

Test Model

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1 Document Version History

Version	Date	Changes	Author(s)	Approver(s)
1.0	21 August 2017	Original plan	Murray Neish	
1.1	18 September 2017	Final Version	Murray Neish	Team Orange

2 Test Plan Identifier

IOCM Test Model.

3 Introduction

Alpha stage testing of the application is now complete. This testing demonstrated that the functional and non-functional requirements are working as expected in a reliable and repeatable manner.

3.1 Background

Functionality of the app and underlying technology stack has been incrementally tested during the various development phases. The application relies heavily on the usability of the user interface. Changes to the application were able to be tested quickly by loading multiple instances in order to simulate the various features.

4 Objectives of the Test Model

The objectives of the Test Model are:

- To demonstrate successful completion of the alpha stage testing
- Identify the process which will be used to support and conduct the beta testing

4.1 Alpha Testing

Alpha testing was conducted to check the following:

- the functionality provided will work for the target customer
- the full scope of functional and non-functional requirements has been achieved
- the delivered functionality works to specification

4.1.1 References

The following documents were referenced while creating the alpha test scenarios:

[Requirements Model](#)

[Project Vision](#)

4.1.2 Test Scripts

[19 test scripts](#) were prepared to address the full range of functionality provided by the beta-ready version of the application. This covered the full range of tasks from basic account establishment and authentication to single and multi-user chats and contact management.

4.1.3 Alpha Test Results

The test scripts include links to screenshots taken while executing the test scripts. These screenshots were created using an automated screen capture tool (Problem Steps Recorder) to record every text entry and button click while the application was in use. All tests were successful. There were some very minor comments recorded by the testers, which were not critical to the successful operation of the app. The app is therefore considered ready for beta testing.

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4.2 Beta Testing

The Confide Application alpha test version C5 will be tested.

4.2.1 Features to be Tested

Account Management

End user can generate username and password. Removal of the account is not provided through the user interface. It has been decided to leave this as an IT administrative function.

Logon /Logoff

User can log on to the service and log out of the service at any time.

Contact Management

Add/remove contacts. Request to be added to another user's contact list and approve other user's request to be added to your contact list. Contacts can be blocked or deleted if the user does not wish to chat with the contact anymore.

Chats – with single user

Logged in users can carry out a “real-time” conversation with someone in their contact list or other account.

Chats – multi-user

Users can create chat room in order to chat with multiple users at the same time.

4.2.2 Test Format

An [online survey form](#) will be used. The survey data will be sent to a centralised spreadsheet for analysis and reformatted in a suitable form for management to review.

5 Features Not Tested

5.1 Installation

The application will be pre-installed. Testers will not evaluate the installation process.

5.2 Account maintenance

Only establishing a new account will be tested. Password resets and user-based account deletion are currently outside the scope.

6 Test Approach

6.1 Develop Tests

Testing has been carried out during the application development. This documentation (refer to Section 4.1.1) in conjunction with the project vision and requirements model form the main framework for the testing.

6.1.1 Alpha Testing

Alpha testing is complete. Refer to Section 4.1

6.1.2 Beta Testing

The Beta testing forms are considered to be ready for use, however their effectiveness will be reviewed after the first round of testing is completed. The online forms can be changed easily with no consequence to their overall operation.

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6.2 Prepare to Test

To complete the testing, the following items need to be in place:

- An approved Test Model (this document)
- All required test scripts completed
- All resources available, including suitable computers running at least two (2) of the 3 target operating systems

Resources required to complete the UAT testing will consist of selected Pinnacle Corp employees.¹

6.3 Run Tests

Beta Testing will be conducted between 18-25 September, 2017 with more detailed scheduling dependant on available resources.

6.4 Review Test Results

Completed tests will be submitted to the Project Manager. Where no defects are found the system/subsystem under test will be considered suitable for inclusion in the final release.

If defects are found, these will be categorised and prioritised in accordance with the stated importance of the original functional and non-functional requirements. Where possible minor defects will be reworked on the same day to allow the testing to be as efficient as possible. Outstanding defects which take more than two days to rectify are considered a major issue and will require a passing formal test document of their own, in order to be brought back into service on this project.

6.5 Test Item Pass/Fail Criteria

Where possible, test scripts will specify quantifiable criteria, to minimise possible contention about the test outcome. Where practicable, minor adjustments to the code will be carried out during the test session to minimise delays to the testing schedule.

All pass/fail criteria will be established with the written agreement of the project sponsor. If a defect is unable to be practically resolved during a testing session, the test will be postponed until the defect can be resolved.

Written approval from the Project Sponsor is required to justify work on unresolved defects which risk delays to the project schedule. The decision will be based on the criticality of the defect with respect to the overall operation of the application, and the best estimate provided by the technical lead of the time and resources required to rectify the problem.

7 Test Deliverables

7.1 Test Analysis

The beta testing results will be collated. Any tasks which the test users failed to complete successfully will be analysed. The test form requires more detailed explanation specific to the tasks being tested and requests general feedback.

7.2 UAT Report

A final report will be completed which outlines the results of the Beta (UA) testing.

¹ In reality for this project it will be colleagues, family and friends

8 Risks and Contingencies

Problems identified with the application will be assessed against the Requirements Model. A time and materials estimate will be carried out for any demonstrated deviations from the Requirements Model.

Estimates outside of the timeframe/budget for defect rectification will be escalated to the Project Manager, in order to obtain a decision from the client.