***TEST SPECIFICATION***

**1.0 Introduction**

Secure chat app Android chat app, which is a chat application used for personal and office purposes. A friend or office colleague can share any kind of private data through this application. It will help to chat with friends and office colleagues. Mainly, it will help people who want to hide their conversation. This app allows users to chat securely and create groups for chatting to keep privacy in the group. Privacy is the top priority of this application. Languages that have been used are Java and XML, developed in Android. Android studio is the tool that is used for this chat application development.

**1.1 Goals and objectives**

The main goal of a secure chat app is a secure messaging app featuring end-to-end encryption as well as the ability to encrypt your messages so no one can read them. You can safely text a friend or family member your personal details like banking info, phone numbers, health information, and much more

* Sign in or Sign up using your phone number
* One to One chat
* Encrypt and decrypt messages
* Preventing screenshots during chatting
* Firebase Real-Time Chat Integration
* Group chat
* Status Updating Feature
* Beautiful Material Design
* Sweet and Clean animations
* Image Sharing

**1.2 Statement of scope**

The secure chat app is an Android chat app, focused on individuals who have trouble following safely texting with loved ones and want to hide their conversation. It is developed in a Java and XML environment, we will be testing the following option available on the application.

* Dashboard
* Chat
* Profile
* Contacts
* Settings
* Create group
* Group chat
* Encrypt message
* Decrypt message

**2.0 Test Plan**

This section describes the overall testing strategy and the project management issues that are required to properly execute effective tests.

**2.1 Software to be tested**

The software to be tested is identified by name. Exclusions are noted explicitly.

* Functionality
* Application launching
* Integration Test
* Errors
* Input’s information (Importing the data)
* Security
* Field Test
* Performance
* Stress Test
* Application Interface

**2.3 Testing tools and environment**

A description of the test environment, including tools, simulators, specialized hardware, test files, and other resources is presented here.

**2.4 Test schedule**

A detailed schedule for testing is described.

**3.0 Test Cases**

This section enumerates a complete list of test cases for the software. A template for test cases is as follows.

|  |  |
| --- | --- |
| ID |  |
| Test Input |  |
| Expected Output |  |
| Description |  |