

Software Requirements Specification (SRS)

Document

RnPsoft Chat Application

1. Introduction

1.1 Purpose

The purpose of this document is to define the requirements for the development of the RnPsoft Talking App, a communication application designed for internal use by RnPsoft. The app will facilitate secure communication among employees, providing features for user authentication, profile management, notifications, and messaging capabilities.

1.2 Scope

The RnPsoft Talking App is designed to enhance internal communication within RnPsoft. It includes features such as secure login, user profiles, notifications, and messaging with advanced security measures to protect user privacy.

2. System Overview

2.1 System Description

The RnPsoft Talking App is a mobile application that provides a platform for secure communication among RnPsoft employees. It includes a login page with user authentication, a home page with profile, notification, and messaging options, as well as additional security features.

2.2 Functionalities

2.2.1 Login Page

- Users will be required to enter a valid username and password for authentication.
- Additional verification mechanisms such as OTP may be implemented for enhanced security.

2.2.2 Home Page

- The home page will have three main options: Profile, Notification, and Messages.
- Each option will provide access to specific functionalities within the app.

2.2.3 Profile Page

- Users can view details of specific members, including their name, working domain, and skill reviews.

2.2.4 Notification

- Users can receive and view notifications related to app activities.

2.2.5 Messages

- Users can engage in one-on-one or group messaging.
- Each group has a unique ID for access control.
- Messaging supports text, file sharing (documents, images, videos, PDFs).

2.2.6 Security Features

- Prevent screen recording within the app.

- Disable the ability to take screenshots of app screens.

3. System Requirements

3.1 Hardware Requirements

- The app should be compatible with standard Android devices.

3.2 Software Requirements

- The app should be compatible with Android OS version 7.0 and above.

3.3 Security Requirements

- Implement encryption for data transmission.
- Use secure authentication mechanisms.
- Ensure no screen recording within the app.
- Disable screenshot capture within the app.

4. User Interface Design

4.1 Login Page

- Input fields for username and password.
- Additional verification mechanisms if required.

4.2 Home Page

- Three main options: Profile, Notification, Messages.

4.3 Profile Page

- Display user details.

4.4 Notification Page

- Display notifications.

4.5 Messages Page

- Interface for text messaging and file sharing.

5. Constraints

- The app is designed exclusively for internal use by RnPsoft employees.
- Compatibility limited to Android devices.

6. Future Enhancements

- Integration with additional collaboration tools.
- Voice and video calling features.
- Continuous security updates and improvements.

7. Conclusion

The RnPsoft Talking App aims to provide a secure and efficient communication platform for internal use. This document outlines the fundamental requirements and functionalities for the initial development phase, laying the foundation for future enhancements and improvements.