User Profile Management SRS for Mobile Apps

1. Introduction

1.1 Purpose

This Software Requirements Specification (SRS) document defines the requirements for the User Profile Management module within a mobile application. The document details functional, non-functional, and system interface requirements.

1.2 Scope

The User Profile Management module allows users to create, view, update, and delete their profile information, including personal details, profile picture, and app settings.

2. Overall Description

2.1 Product Perspective

This module is a component of the mobile application, accessible after user authentication.

2.2 User Classes and Characteristics

- Registered Users: Can manage their own profile.
- Admin Users: Can view and manage all user profiles (optional).

3. Functional Requirements

1. User Registration: The system shall allow new users to register by providing necessary information.
2. User Authentication: The system shall only allow access to user profile management functions for authenticated users.
3. View Profile: Users shall be able to view their profile information.
4. Edit Profile: Users shall be able to update their profile information, including:
   - Full Name
   - Email Address
   - Phone Number
   - Profile Picture
   - Other custom fields

5. Change Password: Users shall be able to change their password.
6. Delete Account: Users shall be able to permanently delete their account.
7. Settings: Users shall be able to manage personal settings such as notifications and privacy preferences.

4. Non-functional Requirements

- Platform Support: Android and iOS
- Performance: Profile update should reflect within 2 seconds.
- Security: All sensitive user data shall be transmitted via encrypted connections (HTTPS).
- Usability: The module shall have a simple and intuitive user interface.

5. System Interface Requirements

- API integration for profile data retrieval and update.
- Support for third-party authentication providers (optional).

6. Data Requirements

Field	Type	Constraints	Notes
User ID	String/UUID	Unique, Required	System generated
Full Name	String	Required	
Email Address	String	Unique, Required	
Phone Number	String	Optional	
Profile Picture	URL/String	Optional	Image file or link
Password	String (hashed)	Required	Stored securely

7. Assumptions and Dependencies

- Device has active internet connection for profile management activities.
- Backend API services are operational.

8. Appendix

- Version 1.0
- Date: [Insert Date]