SRS Document – Redz App

**SOFTWARE REQUIREMENTS SPECIFICATION**

**Redz App – mobile Application**

Project Functional Requirement Specification

Version 1

1. **Purpose of the document:**

This document defines the functional requirements of the Redz mobile application, covering user interactions, account management, social features, content management, and search capabilities. It serves as a reference for developers, testers, and stakeholders.

* Project Overview
* Information Architecture
* System Design

1. **Project Overview:**

**2.1 Audience:**

This document is intended as a complete guide for developers, testers, UX/UI designers, and stakeholders in understanding the Redz mobile app functionalities. It is suitable for both technical and non-technical audiences, ensuring clear understanding of requirements and user flows.

**2.2 Hardware and Hosting:**

The Redz app will be hosted on scalable infrastructure to support video sharing and social features:

* **Mobile Devices:** Android OS (version 10 and above)
* **Backend Servers:** Host APIs, video storage, messaging, and authentication services.
* **Database Server:** Stores user profiles, comments, messages, and metadata.
* **CDN Integration:** Ensures fast video delivery and optimal performance for global users.

1. **Information Architecture:**

The Redz mobile app provides a seamless platform for users to upload, view, share, and interact with video content. All user data follows security and privacy best practices.

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**3.1 Customer Portal Module (Home Page):**

The Home Page displays trending, recommended, and followed user videos. Users can:

* Like & Dislike videos
* Save videos to favorites
* Share videos

**3.2 User Registration and Authentication**

**Registration Fields:**

* Username
* Email
* Password
* Confirm Password
* Profile Picture (optional)
* Bio / About Me (optional)

**Login Fields:**

* Email
* Password
* Remember Me (checkbox)
* Forgot Password link
* Login Button

**Features:**

* Login via Data Provider (e.g., OAuth, Google)
* Secure Logout functionality

**3.3 Profile Management**

Users can:

* Edit profile information (Name, Bio, Profile Picture)
* Change location settings
* Manage uploaded videos (Upload/Delete)

**3.4 Social Features**

The app enables users to connect via:

* Follow/Unfollow other users
* Direct messaging

**3.5 Search & Discovery**

**Search Capabilities:**

* Search for videos by title or tags
* Search for user profiles
* Filter search results by relevance

**3.6 Content Interaction**

* Comment (Add, Edit, Delete) on videos
* Reply to comments
* Like comments

**3.7 Logout Functionality**

Accessible via the Profile or Settings screen to ensure secure session termination.

**3.8 Notifications (Future Scope)**

* Notifications for likes, comments, follows, and messages.

**4. System Design (High-Level)**

* **Frontend:** Android Mobile App (Kotlin/Java or Flutter/React Native)
* **Backend:** REST APIs, Node.js/Express or similar frameworks
* **Database:** SQL/NoSQL for scalable data storage
* **Media Storage:** Cloud storage (e.g., AWS S3, Firebase Storage)
* **Authentication:** OAuth 2.0 / JWT for secure access