**Software Requirements Specifications**

1. **Introduction**
   1. **Purpose**

The purpose of this document is to provide the software requirement specification report for the ‘File Management’ database.

* 1. **INTENDED AUDIENCE AND READING SUGGESTIONS**

The project is useful for those who want to track over their documents in handy.

* 1. **PROJECT SCOPE**

The purpose of this project is to create convenient and easy to use system for documents management with their family members, relatives, colleagues, friends etc.

Basically it’s a portal to better organize the documents in the form of image (For time being).

* 1. **REFRENCES**

<https://play.google.com/store/apps/details?id=com.docady.rutbo>

1. **OVERALL DESCRIPTION**
   1. **PRODUCT PERSPECTIVE**

This application stores the information as follows

App User Detail:

->User needs to register first, to work on it.

->After registration a verification link will be send to his/her registered email id

->After verification User can add members in his/her circle.

-> The members may be already users of application or not, so if member have not registered then an invitation link will be send to members for registration in application.

->User can store all documents with predefined alarm or reminder at the time of expiration of documents.

->User can share documents through social media like whatsapp, Gmail, Google drive etc

-> User can give permissions to the members to view his documents or not at the time of adding members.

* 1. **Product with relate to database (Database Design)**

Pending

* 1. **User and members/Contacts characteristics**

-> User has full privileges to delete the members

Note: Delete process will only remove user from circle

-> User can remove the document

-> Member may or may not app user (registered user).If member is user then he will also able to login the app and manage his documents and can also add his members accordingly.

->Push notifications will be sending if any user removes any member from circle

->Push notifications will be sending if any document removes or get permitted to particular user.

-> User and members (If permitted) can download the document or print document.

**3. Admin Section (Web)**

The admin has following functions.

**3.1 Authorized login panel for admin**

**We will use encrypted Password admin panel**

**3.2 User management (App Users)**

Add, delete, view, Edit, Block

**3.3 Document Management**

Add, delete, view, Edit, Block

**3.4 Members Management**

**3.5 Advertisement Message/Broad cast message**

**4. Web services for Mobile Devices**

Here we will use JSON Parsing. Devices will send data with POST or GET and server will return JSON as result to devices

**5. External interface Requirements**

**5.1 USER INTERFACES**

App will be developed for IOS and ANDROID Devices

**5.2 Languages**

Android: Java, IOS: c-objective/Swift, Web Admin and Web services: PHP

Backend: My-sql

**5.3 SECURITY REQUIREMENTS**

We will use security on passwords, sharing links and documents. On Preliminary basis we will use **AES 256** Encryption.

**Module wise flow of application (FRS)**

**Splash Screen**

* When splash screen will open a web-service hits to check whether application is updated or not.

If it is already updated then next login screen or dashboard screen (Only if user logged in) will appear. And if application is outdated then an alert box displays with message to update the application first.

**App Register**

* User will register in application with user email and password (Hidden device type, device Id).
* First control will check email already exists or not if it is already exists then message returns that email already exists.
* If not exists then user will register and an email will be send for verification and dashboard screen will appear with a message that “first verify your email” and a resend email link.
* With the registration main folder and its category folders will generates on server, which will not directly access through web.
* If it is verified then user may proceed to add members or documents.

Note: If user already logged in with Google+ or facebook and tries the same email to register in our app then he or she wouldn’t register. Because this email is the case of duplicity.

**App Login**

* User will login in application with user email and password(Hidden device type, deviceId,LoggedinType)
* If user email and password doesn’t match with database then message returns unsuccessful login
* If it matches then dashboard screen will appear

**Facebook Login**

* If user initiates the login with facebook then first control will check that email exists(Whether its existence due to app registration or Social media login) or not if it exists then dashboard screen will appear and no verification email will be send
* If email doesn’t exist then it will be type of registration without password.
* With the registration main folder and its category folders will generates on server, which will not directly access through web.
* If user login with email id which is already registered but not verified yet then it automatically verified

**Google+**

Same case as facebook

**Forgot Password**

* User enters his/her email and submits.
* If Email does not exists in system then error message shows and if exists then user password corresponding to particular email will be updated in database and same will be send in the email.

**Add Members/sub users**

* User can add members in his/her circle
* While user add members to circle he will set permission (Like View, Edit, No Access)
* When user will add member, Control check whether the same email exists in as member corresponding to same user then alert message will display that you cannot add same member again.
* Also will check that its whether user or not If yes then no folders will be created for him

And if No then full folder list will generate.

* The fields name will be first name, last name, email and relationship

**Add Documents**

* User can add documents directly from dashboard icon(+)
* User can add document after navigation to user category list
* User can set permission for documents (Optional)

**Add new category**

* User can add new category
* When user will add new category control will check that is there same folder exists in user folder structure or not if not then folder will create otherwise message will display that you cannot create new folder again