Functional Requirements

1.#<note list>

1. The user shall have the capability to create a new note.
2. The user shall be able to edit an existing note.
3. The end user shall close the app and reopen it and shall find his/her notes intact.
4. The end user shall have the capability to delete the notes.
5. The user shall be able to store the notes in his database.

2. #<login page>

1. User shall create the verified username and enter validate password.
2. If user does not create password with strong character warning should be displayed
3. Before login into the application user shall register to the application.
4. The new users can't register into the application with existing usernames.
5. If the users shall forget the password they should have an reset password option to reset the email.

3. #<Scanning image>

1. User should be able to store scanned text in image and add or store it into the application or database.
2. While Scanning the image the user shall be able to crop the size of the scanned picture and convert to various format.
3. Users shall be able to scan multiple images and merge into application and add it in notes application.
4. Application shall have the rescan option if the image clarity is not good.
5. User shall be able to rotate the scanned image in the application based on his needs.

4. #< lock function for the note>

1. Users shall be able to lock their notes in the application
2. User shall be able to set the password for the notes they created
3. If the users try to enter into the locked notes they shall receive the warning text.
4. Change for the user reset the lock password whenever user wants.
5. User shall be able to remove the lock for the notes in the application.

5#<Note export >

1. User shall be able to store the scanned images or the notes in local database.
2. User Should be able store pdf formats of scanned documents in the database.
3. User shall be able to share the saved document through mail, whatsapp or other social media.
4. The Database should save the notes in such way it will be easily accessible to the user
5. User Should be able store text formats of scanned documents in the database.

Non-Functional Requirements

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1#<Security>

1. User should not get access into the application until user creates strong password which contains alphabets, numeric and symbols.
2. If there is any confidential information in the notes the user should lock the application using lock function.
3. The user shall have chance to set alpha-numeric or 6-digit code for notes accessing
4. After certain login attempts from the user notes shall be automatically locked for some hour or days to protect the data.
5. If the user forget the passcode for the notes application then user identity questions must be provided and if he answer them correctly reset option must be provided.

2.#<Portability>

1. The user shall sync his/her notes across other devices.
2. The user shall be able to open the notes in different devices at simeontlausly(or same time) and should be able to edit it without any issue.
3. If the application is running successfully in lower ios systems then it should be running ios 14 and higher version without any behaviour change.

4. The app shall have responsive so that it will be displayed according to the size of monitor or device the user using.
5. Application shall be able to run for the users in different processors provided the code is written in programming language which will hold up compilation for the respective platforms. Because each and every user will not have access to the code and they are not trained to do it.

3#<usability>

1. When the users is using for the first time then instruction should be provided in application for the users.
2. Interface of the application and the front end of the application shall be attractive so that user can easily use the application.
3. After scanning or after taking the picture of the physical document the user should be able to see the information in the application with good clarity and without loss of any data.
4. The application should be able to satisfy the user requirements so that it will have more efficient for the users to use the application.
5. Application shall be able to satisfy task efficiency, ease of remembering and understandabiltity factors for the frequent users.

4#<Performance>

1. Users shall be able to scan multiple image in very fraction of seconds much time should not be taken by application.
2. User shall be able to access into the application without any lagging or with more processing time.
3. Application shall be able to provide high performance even though user are dealing with large database.
4. Each page in the application shall not take more then 10 seconds to load.
5. No matter how many millions or billions people using the application the performance of app should not be decreased like server become down or hanging the application.