

National Document Management System

CS262-Final Project Requirement Document



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1 Acknowledgements

We would like to express our gratitude to The Almighty Allah for granting us the opportunity to work on this project and complete it within the given timeline. Our special thanks go to our supervisor, Mr. Nazeef UL Haq, for his valuable guidance and support throughout the development process. His expertise and insight into database schema and implementation concepts were instrumental in helping us overcome challenges and achieve our project goals.

We also extend our thanks to our peers who provided assistance during the testing phase of the application and our classmates who generously shared their data to facilitate the development process. We recognize and appreciate their contribution to the success of this project.

Finally, we wish to acknowledge the efforts of all those individuals who have contributed to this project in any way. We are grateful for their unwavering support, guidance, and assistance, which were instrumental in the successful completion of this project

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2 Project Description

A National Document Management System (NDMS) allows users to **manage documents** through an online portal on a national level. It provides services for the common man up to government organizations. It proves to be a lot easier and error-proof than physically maintaining documents while also maintaining credibility and speed. It also streamlines the process of **old document retrieval** and reduces costs associated with paper-based systems. Moreover in paper-based systems, users can lose their documents. Such systems provide a range of benefits, including improved data security, accessibility, and efficiency.

An NDMS is supposed to be easy to use for users of all types, may it be a government official or a layman. It should have an intuitive user interface and support for users. It should provide all possible security measures in order to prevent data breaches or unwanted access. Each user must have proper control over document sharing and access. Whenever a user uploads a new document they receive a unique code that can be shared with others instead of the document itself. The user can allow the person requesting the document to download it or just view it from his control. In this way neither the document can be shared at such levels that the user has no knowledge of, but also there are no chances of the document being used for any fraudulent purposes against the user. The user always has a history of with whom he shared his documents. The user can also documents upload history which shows him versions of his uploaded documents in order of upload dates and he can choose which version to set as default.

A well-designed NDMS can integrate with other software systems, such as accounting or human resources management software, to further streamline processes and reduce the need for paper-based systems.

NDMS also provides the user with the functionality of password protecting their documents and another feature called Freezing. When a user "Freezes" their document, no one with view-only access nor the ones who have not opened it can not access it for the time being. Freezing proves to be effective against any security concern that may rise for the user.

In addition to document management, NDMS also offers document verification services. Document verification also becomes a lot easier for the user as they can apply for it at the time of uploading and then it is passed to a Government Official. The officer can check the document for structural issues and other regulations which may prove whether the document is Valid or Not. This way of document verification may be the only demerit for such a system, but it proves to be faster and more effective against large structural changes in documents.

The most common use for this system is that a representative from an organization can create a submission for documents, say a university official for example. He can create a submission for students, applying for admission to the university, to submit their educational documents such as Matic and Intermediate transcripts as well as national documents such as CNIC and Domicile, etc. Students can simply provide their document codes hence reducing a lot of paper-handling stress. It also means less staff will be required for the process and documents are also secure in a place.

The purpose of creating NDMS on an e-portal is not only to connect all the users but also to notify the user when someone else accesses their documents. Users will receive notifications on their emails as well as portals. They will also be notified, in case their documents are verified or not.

NDMS can provide an added layer of protection against data loss in the event of a disaster, such as a fire or flood. By storing documents electronically, they can be quickly and easily retrieved even if physical copies are lost.

Another benefit of NDMS is the ability to access documents from anywhere, at any time, from a mobile device. This can be particularly useful for individuals or organizations that require access to documents while on the go, such as traveling government officials or remote employees.

In short, this NDMS allows users to upload and manage documents and also submit them to organizations for processes such as admission, legal work, medical forms, starting jobs/businesses, etc. It manages the integrity and security of documents and also provides easy access to document storage. Users are notified of access to their documents. Users can provide additional security by password-protecting their documents as well as controlling access.

3 Project Features

Project features are given below.

3.1 User SignUp

Allow users to register for an account by providing required information such as name, email, password etc. Implement validation and verification mechanisms, such as user uniqueness, email verification, to ensure the authenticity of user accounts.

3.2 User SignIn

Allow registered user to securely access their account by providing their credentials. After user's identification, access is granted to the system's features and functionalities based on user's role and permissions.

3.3 Password Recovery

Users can change their password. If users forget their current password/ in case of security issues or any other issue, actors of NDMS can change their password. The user provides his/her current password, along with the new password, and confirms the new password to complete the password change process. The NDMS verifies the user's current password, validates the new password based on predefined password policy rules, and updates the user's password if all conditions are met.

3.4 Upload and Manage Documents

Allow users to upload his/her documents on our application. Provide storage and organization capabilities for these documents. Allow user to search for required document.

3.5 Apply for Document Verification

Allow user to apply for document verification. When user apply for document verification it is passed to a Government Official (who is also an actor of our application). The officer can check the document for structural issues and other regulations which may prove whether the document is Valid or Not.

3.6 Document Versioning

User can maintain multiple versions of documents. Keep a history of documents, including user information and timestamps. User can choose which version to set as default.

3.7 Access Control

The user can control access to their uploaded documents by setting access rights for each document. The user can provide the unique code to other users to allow them to view or download the document. They can remove document access from specific other users.

3.8 Freeze Documents

The users can "freeze" their uploaded documents to prevent anyone from accessing it. Once frozen, no one with view-only access nor the ones who have not opened it can access it for the time being. The NDMS will maintain a record of the freeze status and notify the user when the document is unfrozen.

3.9 Document Retrieval

The user can retrieve their uploaded documents from the NDMS at any time. The user can search for the document using relevant details such as the document type, purpose, and date. The NDMS will provide a list of documents matching the search criteria, and the user can select the desired document for download or viewing.

3.10 Version Control

The user can manage different versions of their uploaded documents through the NDMS. The user can view the upload history and select a specific version to set as the default version. The NDMS will maintain a record of the upload history and notify the user of any changes made to the document.

3.11 Share Document

One of the important feature of NDMS is Document sharing. The user can share their uploaded documents with other users through the NDMS. The user can select the document and provide the unique code to other users for access control. The NDMS will maintain a record of the document sharing history and notify the user of any changes made to the access rights.

3.12 Document Protection with Password

The user can password-protect their uploaded documents. The user can set a password for a specific document and share the password only with authorized users. The NDMS will maintain a record of the password-protected documents and notify the user of any unauthorized access attempts.

3.13 Document Search

The user can search for their uploaded documents. The user can use keywords or filters to find a specific document or a group of documents.

3.14 Document Archival

The user can archive the old or inactive documents stored in the NDMS. The user can select the documents and archive them for a specified period of time. The NDMS will maintain a record of the archived documents and notify the user of any changes made to their access rights.

3.15 Document Expiry

User can set an expiry date for the uploaded documents stored in the NDMS. The NDMS will automatically delete the document after the expiry date has passed. The expired document will automatically become inactive and NDMS will notify user and ask user to send document application.

3.16 Search Organization

NDMS allows the Common User to search for organizations based on various criteria such as organization name, location, or other relevant details. This allows user to see the submission created by specific organization and submit his/her documents there easily.

3.17 Notifications

User receives a notification when some changes occur in his/her profile or the status of his/her application changes. The user can manage their notification settings through the NDMS. The user can select the type of notifications they want to receive, such as document access, verification, and freeze status notifications. . Users will also receive notifications on their emails. well as portals

3.18 Document Verification

The government official can verify the authenticity of the user-uploaded documents. The official will receive a notification when a user uploads a document for verification. The official will check the document for structural issues and other regulations that may prove whether the document is Valid or Not. The NDMS will notify the user of the verification status.

3.19 Create Document Submission

The Organization Representative creates a submission with specific document requirements, and the User is then able to upload the required documents through the NDMS easily. The submitted documents are stored securely in the system for further processing by the Organization.

4 Technology Stack

Language	PHP
Platform	Web
Front-End Technology	HTML, CSS, JavaScript
IDEs	VS Code

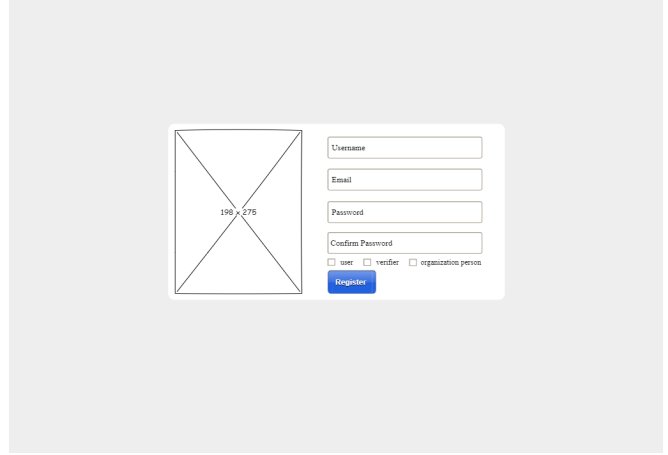
5 Project Actors

There are three actors in our project.

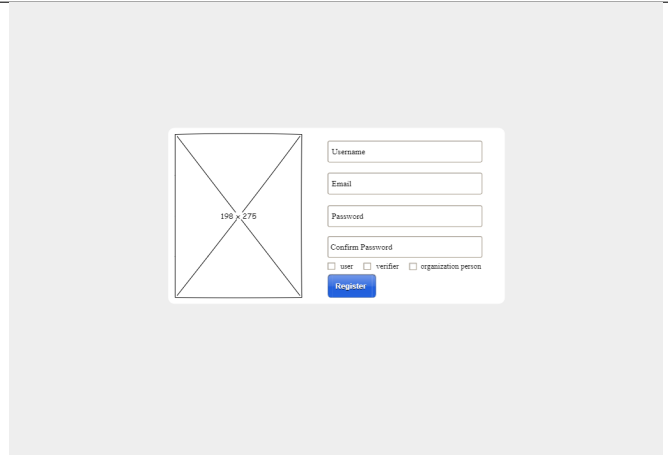
1. **Common User** can upload, delete and manage documents. He can protect documents by assigning them passwords. He can share and control access to documents. He can also submit documents to submissions created by Organisation Representatives. He can view notifications in notification panel regarding his documents.
2. **Verification Officer** being a government officer can check documents for various structural changes. He can verify whether a document is valid or not by inspecting it manually. He can view notifications regarding newer verification applications.
3. **Organisation Representatives** can create, delete and update submissions for users. They can also view submitted documents (if allowed). In case if a document is not opening they can notify users for re-submission.

6 Use Cases

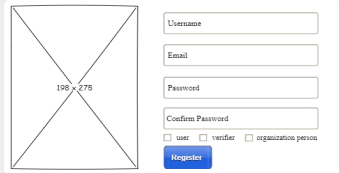
6.1 Use Case (User Sign Up)

Use Case ID	UC001
Name	User Sign Up
Actor	Common User
Description	Allow user to create a new account in NDMS. It involves the user providing necessary information, such as a unique CNIC, a valid email address, and a secure password, in order to create an account that allows them to access the system's features and functionalities.
Layout in Pencil Tool	
Validators	CNIC Uniqueness, Input text length, Input format validation, Input sanitization

6.2 Use Case (Verification Officer Sign Up)

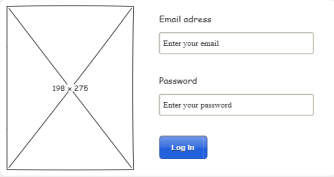
Use Case ID	UC002
Name	Verification Officer Sign Up
Actor	Verification Officer
Description	After providing the common user information, the user will be prompted to indicate if he/she is a Verification Officer. If the user confirms his/her status as a Verification Officer, they will be required to provide additional information related to their role as a Verification Officer.
Layout in Pencil Tool	
Validators	CNIC Uniqueness, Input text length, Input format validation, Input sanitization

6.3 Use Case (Organization Representative Sign Up)

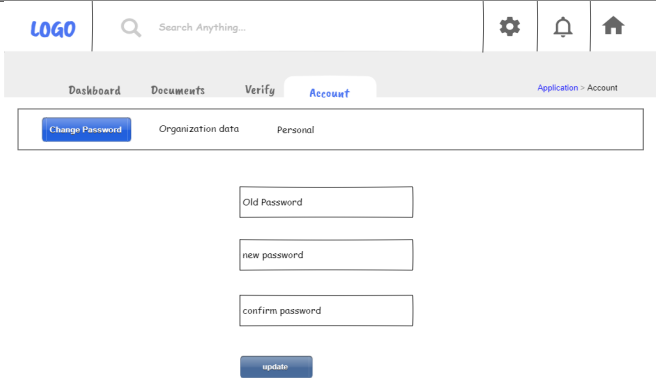
Use Case ID	UC003
Name	Organization Representative Sign Up
Actor	Organization Representative
Description	After providing the common user information, the user will be prompted to indicate if he/she is an organization representative. If the user confirms his/her status as a organization representative, they will be required to provide additional information related to their organization and role as a Verification Officer.
Layout in Pencil Tool	
Validators	CNIC Uniqueness, Input text length, Input format validation, Input sanitization

6.4 Use Case (User Sign In)

Use Case ID	UC004
Name	User Sign In
Actor	Common User, Verification officer and organization representative
Description	The user provides their login credentials, including their username and password, to authenticate themselves and gain access to the Document Management System. If the provided credentials are valid, the user is granted access to their account and the system displays their documents and related functionalities. If user is also a verification officer or organization representative he/she will be prompted to indicate whether he/she want to sign in as common user or verification Officer/Organization Representative. If the credentials are invalid, the system displays an error message and prompts the user to retry or reset their password.

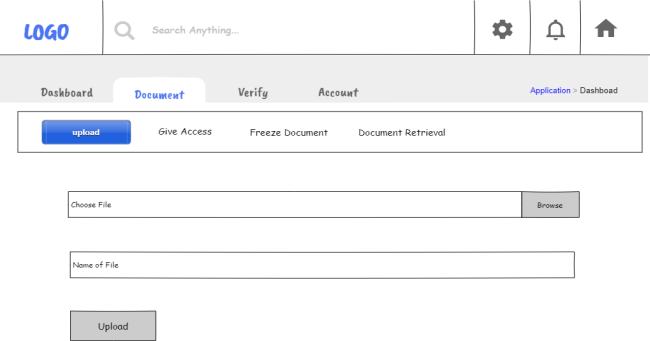
<p>Layout in Pencil Tool</p>	
<p>Validators</p>	<p>Input text length, Input format validation, Input sanitization</p>

6.5 Use Case (Change Password)

<p>Use Case ID</p>	<p>UC005</p>
<p>Name</p>	<p>Change Password</p>
<p>Actor</p>	<p>Common User, Verification officer and Organization Representative</p>
<p>Description</p>	<p>All actors of NDMS can change their password. If actors forget their current password/ in case of security issues or any other issue, actors of NDMS can change their password. The user provides his/her current password, along with the new password, and confirms the new password to complete the password change process. The NDMS verifies the user's current password, validates the new password based on predefined password policy rules, and updates the user's password if all conditions are met.</p>
<p>Layout in Pencil Tool</p>	
<p>Validators</p>	<p>Password format, Input text length, Input format validation, Input sanitization</p>

6.6 Use Case (Upload Documents)

<p>Use Case ID</p>	<p>UC006</p>
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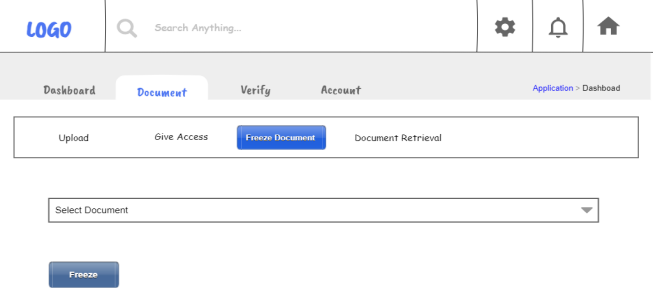
Name	Upload Documents
Actor	Common User
Description	The user can upload documents of various types to the NDMS through the online portal. The user will select the document from their computer and provide relevant details such as the document type, purpose, and date. The NDMS will provide a unique code to the user for each document that can be used for sharing and access control. The system will validate the document format, size, and type before storing it in the database.
Layout in Pencil Tool	
Validators	Document format, Size, Type

6.7 Use Case (Access Control)

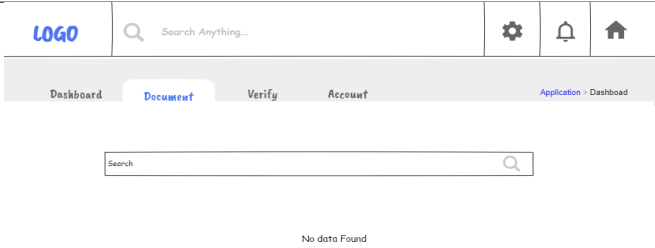
Use Case ID	UC007
Name	Control Access
Actor	Common User
Description	The user can control access to their uploaded documents by setting access rights for each document. The user can provide the unique code to other users to allow them to view or download the document. They can remove document access from specific other users. They also get notified each time someone views their document.
Validators	None

6.8 Use Case (Freeze Documents)

Use Case ID	UC008
Name	Freeze Documents
Actor	Common User

Description	The user can "freeze" their uploaded documents to prevent anyone from accessing it. Once frozen, no one with view-only access nor the ones who have not opened it can access it for the time being. The NDMS will maintain a record of the freeze status and notify the user when the document is unfrozen.
Layout in Pencil Tool	 <p>The screenshot shows the NDMS interface with the 'Document' tab selected. It features a 'Freeze Document' button, a 'Select Document' dropdown menu, and a 'Freeze' button.</p>
Validators	None

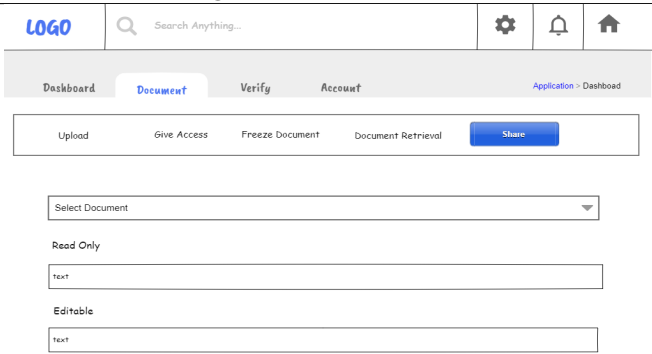
6.9 Use Case (Document Retrieval)

Use Case ID	UC009
Name	Retrieve Documents
Actor	Common User
Description	The user can retrieve their uploaded documents from the NDMS at any time. The user can search for the document using relevant details such as the document type, purpose, and date. The NDMS will provide a list of documents matching the search criteria, and the user can select the desired document for download or viewing.
Layout in Pencil Tool	 <p>The screenshot shows the NDMS interface with the 'Document' tab selected. It features a search bar and a 'No data Found' message.</p>
Validators	None

6.10 Use Case (Version Control)

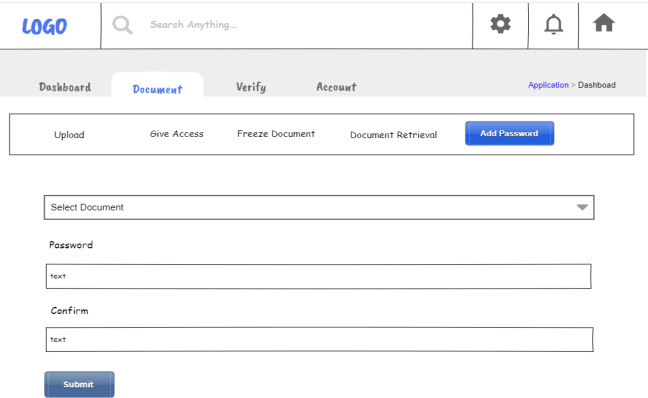
Use Case ID	UC010
Name	Control Document Versions
Actor	Common User
Description	The user can manage different versions of their uploaded documents through the NDMS. The user can view the upload history and select a specific version to set as the default version. The NDMS will maintain a record of the upload history and notify the user of any changes made to the document.
Validators	None

6.11 Use Case (Document Sharing)

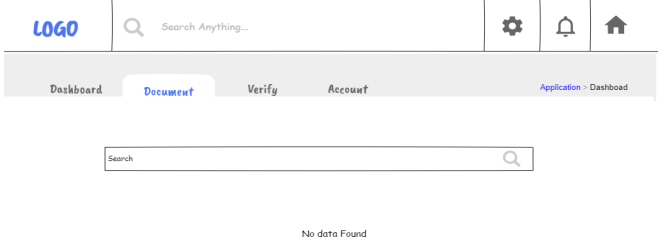
Use Case ID	UC011
Name	Share Documents
Actor	Common User
Description	The user can share their uploaded documents with other users through the NDMS. The user can select the document and provide the unique code to other users for access control. The NDMS will maintain a record of the document sharing history and notify the user of any changes made to the access rights
Layout in Pencil Tool	
Validators	None

6.12 Use Case (Password Protection)

Use Case ID	UC012
Name	Protect Document with password
Actor	User
Description	The user can password-protect their uploaded documents. The user can set a password for a specific document and share the password only with authorized users. The NDMS will maintain a record of the password-protected documents and notify the user of any unauthorized access attempts.

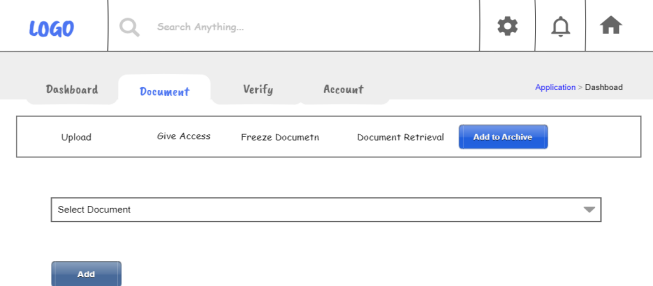
<p>Layout in Pencil Tool</p>	
<p>Validators</p>	<p>None</p>

6.13 Use Case (Document Search)

Use Case ID	UC013
Name	Document Search
Actor	User
Description	The user can search for their uploaded documents. The user can use keywords or filters to find a specific document or a group of documents.
<p>Layout in Pencil Tool</p>	
Validators	Input Character limit, Input format and Character whitelisting

6.14 Use Case (Document Archival)

Use Case ID	UC014
Name	Archive Document
Actor	User
Description	The user can archive the old or inactive documents stored in the NDMS. The user can select the documents and archive them for a specified period of time. The NDMS will maintain a record of the archived documents and notify the user of any changes made to their access rights.

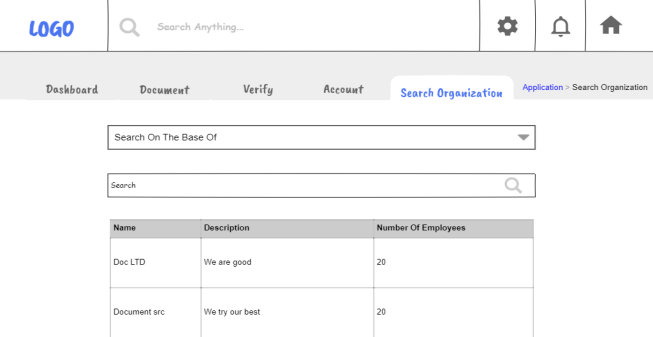
<p>Layout in Pencil Tool</p>	
<p>Validators</p>	<p>User authentication, document archival rules, and access control</p>

6.15 Use Case (Document Expiry)

Use Case ID	UC015
Name	Document Expiry
Actor	User
Description	User can set an expiry date for the uploaded documents stored in the NDMS. The NDMS will automatically delete the document after the expiry date has passed. The expired document will automatically become inactive and NDMS will notify user and ask user to send document application.
Validators	None

6.16 Use Case (Search Organization)

Use Case ID	UC016
Name	Search Organizations
Actor	Common User
Description	NDMS allows the Common User to search for organizations based on various criteria such as organization name, location, or other relevant details. This allows user to see the submission created by specific organization and submit his/her documents there easily.

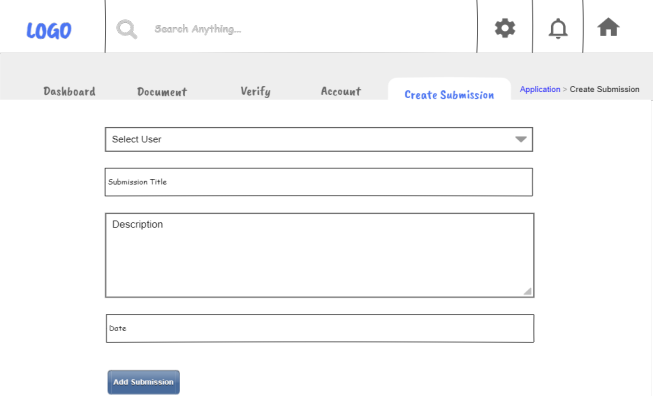
<p>Layout in Pencil Tool</p>	
<p>Validators</p>	<p>None</p>

6.17 Use Case (Notifications and Notification Settings)

Use Case ID	UC017
Name	Notifications and Notification Settings
Actor	User
Description	The user can manage their notification settings through the NDMS. The user can select the type of notifications they want to receive, such as document access, verification, and freeze status notifications. User receives notifications on email as well.

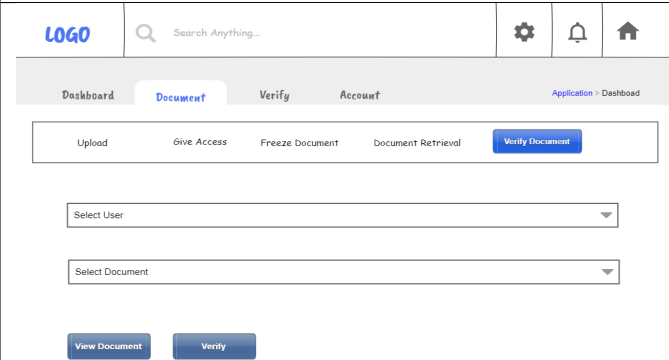
6.18 Use Case (Documents Submission)

Use Case ID	UC018
Name	Submit documents in submission created by Organization Representative
Actor	Common User
Description	The Organization Representative creates a submission with specific document requirements, and the User is then able to upload the required documents through the NDMS easily. The submitted documents are stored securely in the system for further processing by the Organization.

<p>Layout in Pencil Tool</p>	
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Validators	Allow documents with specific extensions
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6.19 Use Case (Document Verification)

Use Case ID	UC019
Name	Verify Documents
Actor	Verification Officer
Description	<p>The government official can verify the authenticity of the user-uploaded documents. The official will receive a notification when a user uploads a document for verification. The official will check the document for structural issues and other regulations that may prove whether the document is Valid or Not. The NDMS will notify the user of the verification status.</p>
Layout in Pencil Tool	
Validators	None

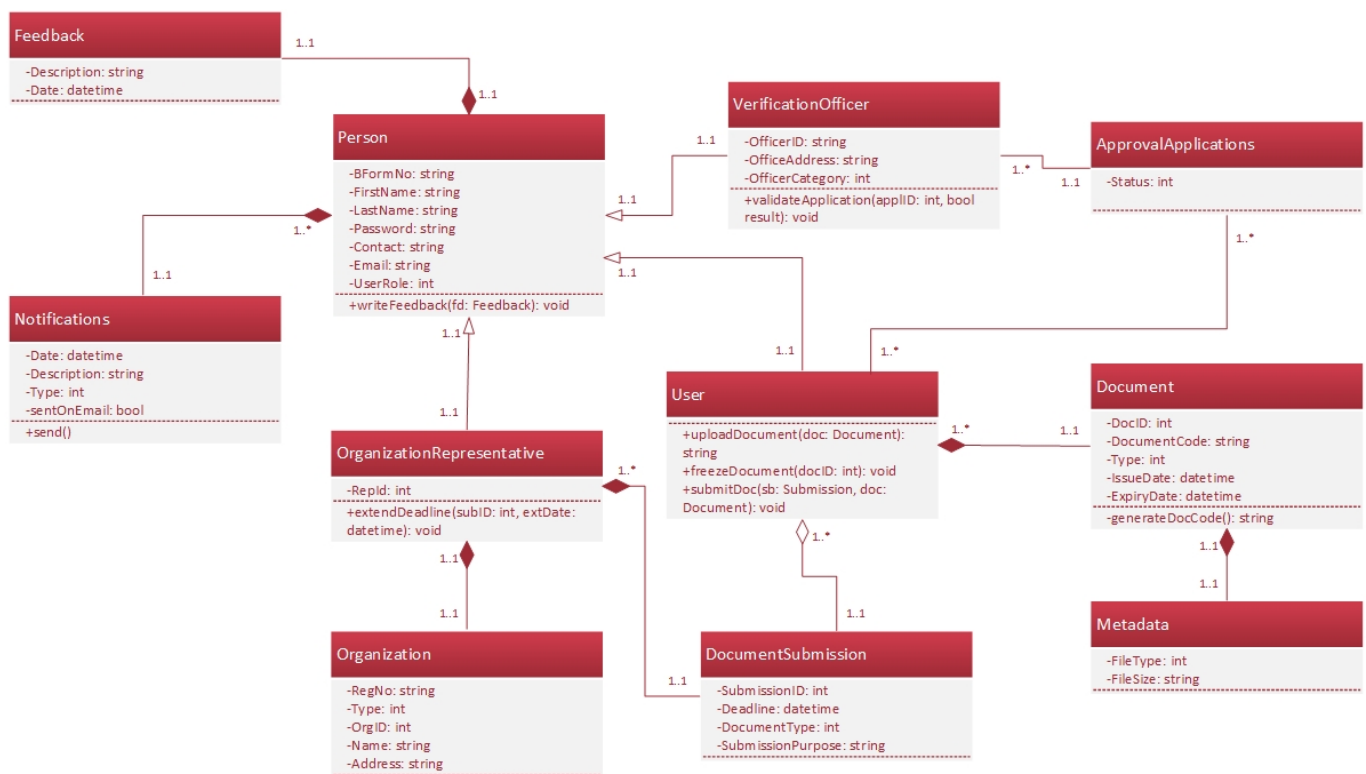
7 User Interface Details:

Use Case Id	Text Box	Drop Down	Password Box	Table	Date Field	Buttons	Auto Complete	Radio Button	Check Box	Menu	Text Area	Graph/ Chart
UC001	2	0	2	0	0	1	0	0	3	0	0	0
UC002	2	0	2	0	0	1	0	0	3	0	0	0
UC003	2	0	2	0	0	1	0	0	3	0	0	0
UC004	1	0	1	0	0	1	0	0	0	0	0	0
UC005	0	0	3	0	0	1	0	0	0	0	0	0
UC006	2	0	0	0	0	1	0	0	0	0	0	0
UC008	0	1	0	0	0	1	0	0	0	0	0	0
UC009	1	0	0	0	0	1	0	0	0	0	0	0
UC011	2	1	0	0	0	0	0	0	0	0	0	0
UC012	0	1	2	0	0	1	0	0	0	0	0	0
UC013	1	0	0	0	0	1	0	0	0	0	0	0
UC014	0	1	0	0	0	1	0	0	0	0	0	0
UC016	1	1	0	1	0	1	0	0	0	0	0	0
UC018	1	1	0	0	1	1	0	0	0	0	1	0
UC019	0	2	0	0	0	2	0	0	0	0	0	0

8 Classes:

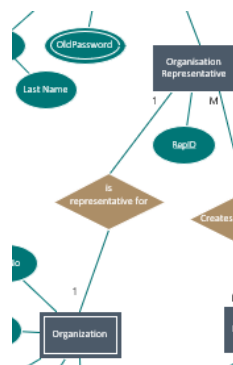
ClassName	Software/Domain	IsAbstract	IsSingleton
Person	Domain	Yes	No
User	Domain	Yes	No
VerificationOfficer	Domain	No	No
OrganizationRepresentative	Domain	No	No
Documents	Domain	No	No
MetaData	Software	Yes	No
Oganization	Domain	No	No
ApprovalApplications	Domain	No	No
Notifications	Domain	No	No
Feedback	Domain	No	No
DocumentSubmission	Domain	No	No
Notifications	Domain	No	No

9 Object Oriented Design Diagram:

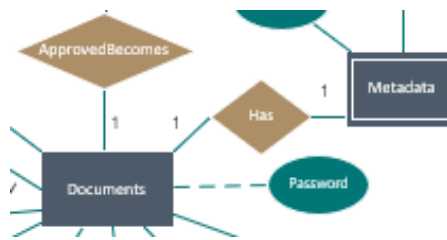


9.1 One to One Relationship:

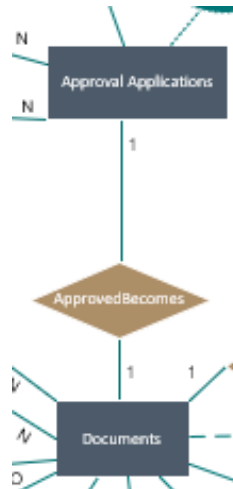
- Each representative represents a single organization.



- Each document has its metadata.

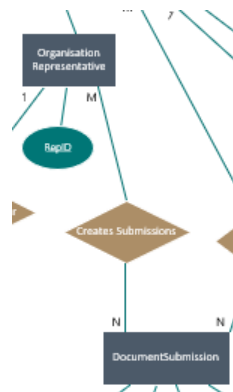


- Each document requires a single approval application.

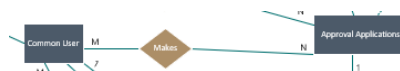


9.2 Many to Many Relationships:

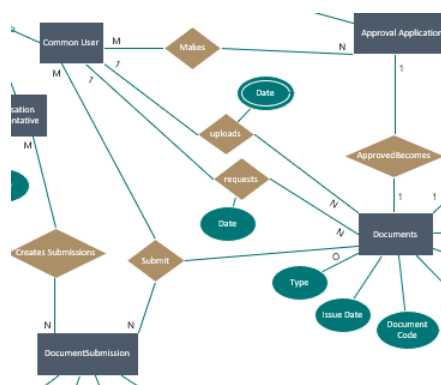
- Many organization representatives can create many submissions.



- Many users can apply for many documents' verifications.

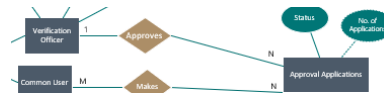


- Many users can submit many documents to organization submissions.

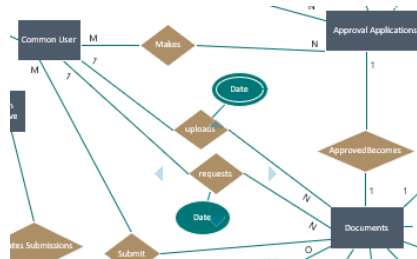


9.3 One to Many Relationships:

- One verification officer approves many applications.

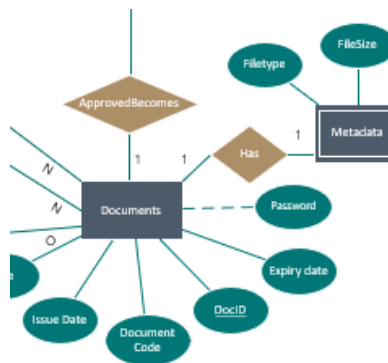


- One user uploads many documents.
- One user requests many documents from others.

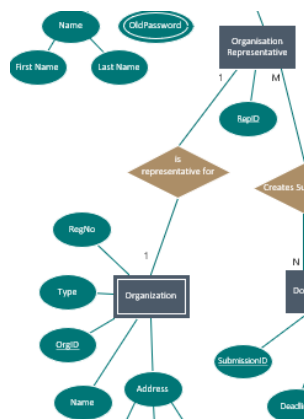


9.4 Weak Entities

- Each document is a file hence it has file data /meta data, which can not exist on its own.

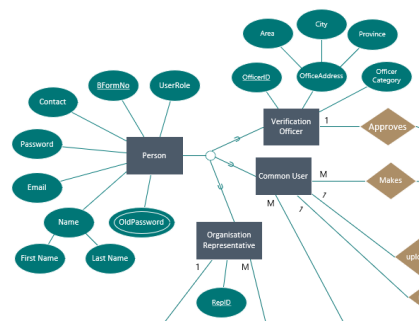


- Each organization is represented by a single representative only hence it can not exist on its own.



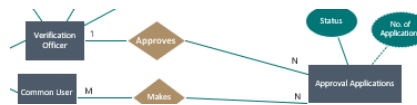
9.5 MultiLevel Inheritance

- Common User inherits person.
- Verification Officer inherits person.
- Organization Representative inherits person.

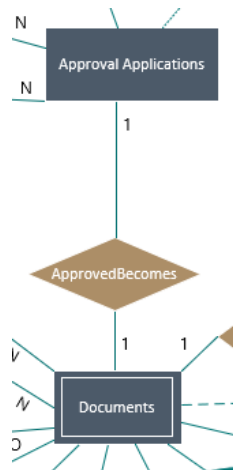


9.6 Strong Relationship

- Verification applications can exist without being approved by verification officer.



- Documents can exist without being applied for verification.

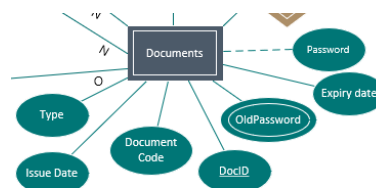


9.7 Multivalued Attributes

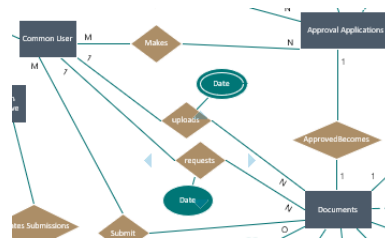
- User can have many old passwords.



- There can also be older passwords for a document.

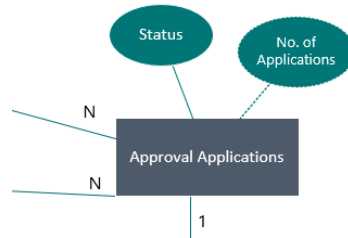


- User can upload a document many times, resulting in versions. That means same document can have multiple upload dates.

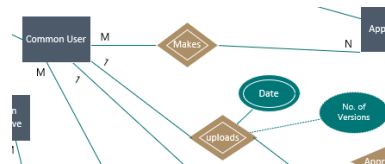


9.8 Computed Attributes

- Number of verification applications made by user.
- Number of total applications recieved by verification officer.

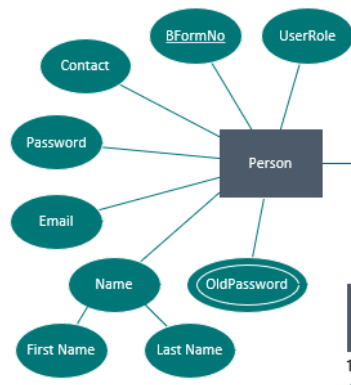


- Number of versions of a document.



9.9 Complex Attributes

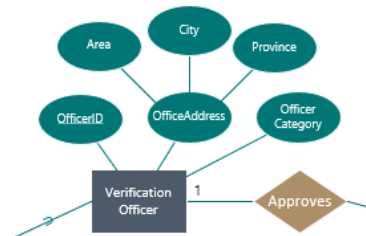
- A Person name consist of both first and last name.



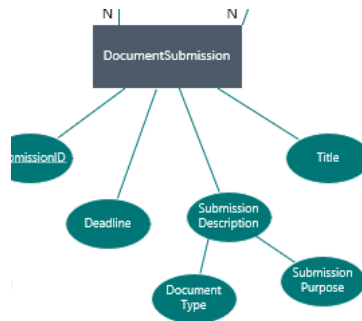
- Organization address consist of Area, City and Province.



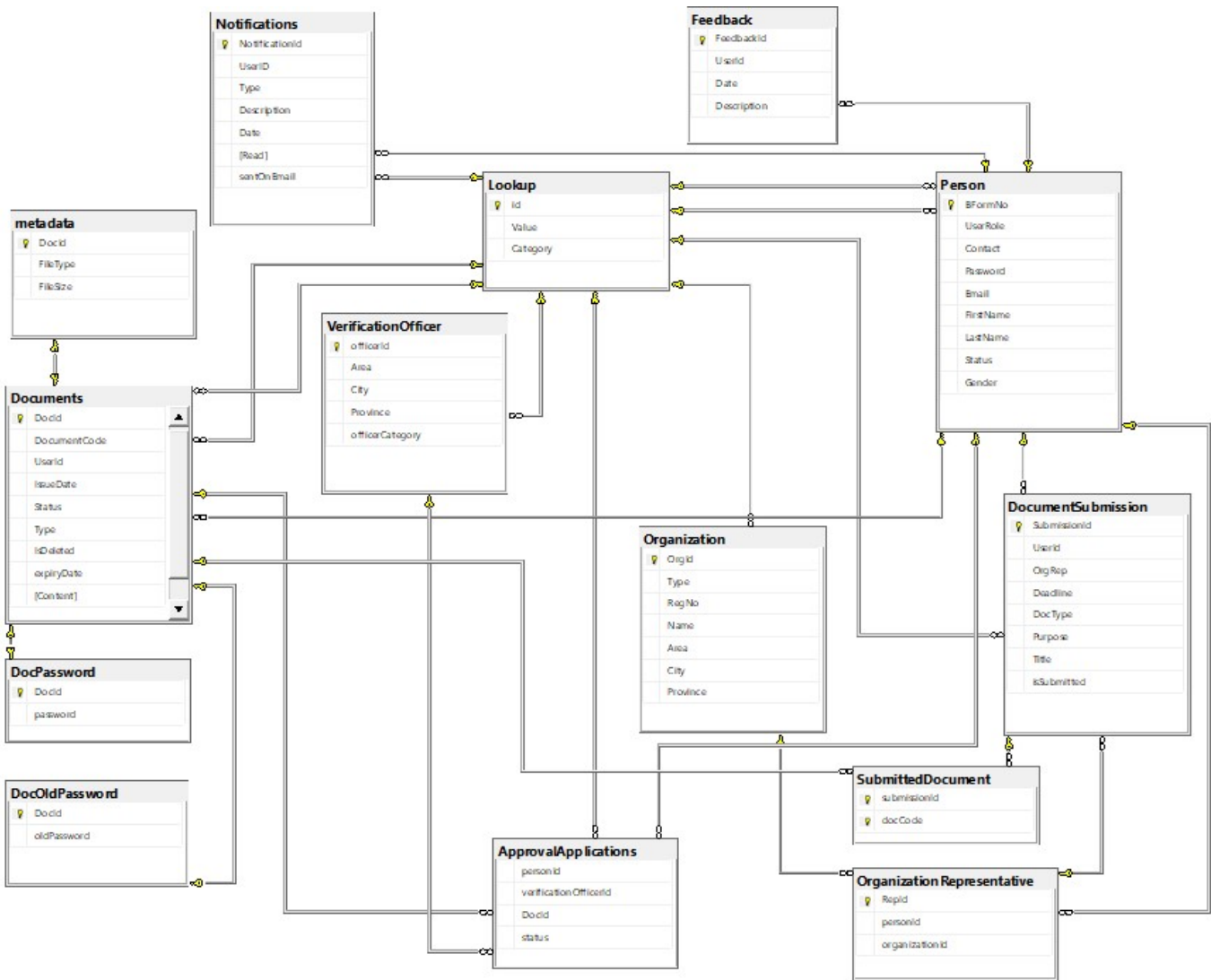
- Verification officer's office address consist of Area, City and Province.



- Document submission description consist of document type and submission purpose.



10 Database Design Diagram



11 Transactions

11.1 Example 1: Uploading and Verifying Documents

Suppose a user is uploading important documents such as a passport, driver's license, and birth certificate on the NDMS portal for verification by government officials. To ensure the integrity and security of the documents, the NDMS system can use transactions during the upload process. The system can create a transaction for each document upload request, and if any of the uploads fail, the entire transaction will be rolled back to prevent any data inconsistencies. This way, the user can be sure that all their documents have been uploaded safely and verified correctly.

11.2 Example 2: Sharing Documents

Suppose a user wants to share a document with multiple organizations or individuals. To ensure that the document is not accessed or modified by unauthorized parties, the NDMS system can use transactions during the sharing process. The system can create a transaction for each share request, and if any of the shares fail or are unauthorized, the entire transaction will be rolled back to prevent any data inconsistencies. This way, the user can be sure that their documents are being shared only with authorized parties.

12 Views

12.1 Example 1: Document Search

Suppose a user wants to search for a particular document on the NDMS portal. The system can create a view that shows all the documents uploaded by the user, along with their details such as the document type, upload date, and verification status. This view can also have search and filter options that allow the user to easily find the document they are looking for

12.2 Example 2 - User document view:

Suppose a user named John has uploaded multiple documents on the National Document Management System (NDMS) portal. To make it easier for him to manage his documents, the system can create a view specifically for John that displays all his documents in one place. This view can have the following columns: Document name, Upload date, Version, Status (Verified/Not verified), and Action (Edit/Delete). John can use this view to easily track his documents, check their status, and perform actions such as editing or deleting them. This view can be accessed by John after he logs in to his account on the NDMS portal.

13 Stored Procedures

13.1 Example 1: Document Verification

Suppose a government official wants to verify the authenticity of a document uploaded by a user on the NDMS portal. The system can create a stored procedure that checks the document against the government's database and returns the verification status. This stored procedure can be executed automatically when the document is uploaded, or on-demand by the government official.

13.2 Example 2: Document Deletion

Suppose a user wants to delete a document from the NDMS portal. The system can create a stored procedure that deletes the document from the database and all associated records such as the document's history and shares. This stored procedure can also notify all the parties who have access to the document that it has been deleted.

14 Exceptions:

Type of Exception	Why this exception will occur?	How you will handle it
User Not Found Exception	The requested user does not exist in the system	The system will return an appropriate error message to the user
Invalid User Credentials Exception	The user entered incorrect login credentials	The system will return an appropriate error message to the user and prompt them to enter the correct credentials
Document Not Found Exception	The requested document does not exist in the system	The system will return an appropriate error message to the user
Document Already Exists Exception	The user is trying to create a document that already exists in the system	The system will return an appropriate error message to the user
Invalid Document Format Exception	The user is trying to upload a document in an unsupported format	The system will return an appropriate error message to the user and prompt them to upload a document in a supported format
Invalid Metadata Exception	The metadata entered by the user is invalid or incomplete	The system will return an appropriate error message to the user and prompt them to enter valid metadata
Insufficient Permissions Exception	The user does not have sufficient permissions to perform the requested action	The system will return an appropriate error message to the user and prompt them to contact the administrator
Invalid Input Exception	The user has provided invalid input data	The system will return an appropriate error message to the user and prompt them to enter valid input data
Invalid Document Version Exception	The user is trying to access a document version that does not exist	The system will return an appropriate error message to the user
Document Locked Exception	The user is trying to edit a document that is currently locked by another user	The system will return an appropriate error message to the user and prompt them to try again later
Invalid Email Address Exception	The user has entered an invalid email address	The system will return an appropriate error message to the user and prompt them to enter a valid email address
Expired Token Exception	The user's authentication token has expired	The system will prompt the user to log in again to generate a new token
Invalid Token Exception	The user's authentication token is invalid or has been tampered with	The system will prompt the user to log in again to generate a new token

Document Deletion Exception	The system is unable to delete the document due to a server error	The system will return an appropriate error message to the user and prompt them to try again later
Invalid Password Exception	The user has entered an invalid password that does not meet the system requirements	The system will prompt the user to enter a valid password that meets the system requirements
Document Access Denied Exception	The user does not have permission to access the requested document	The system will return an appropriate error message to the user and prompt them to contact the administrator.

15 Project Plan:

Use Case Id	Use Case Name	Member Name	Estimated Completion Date
UC001	User Sign Up	Waqas Rashid	12/04/2023
UC002	Verification Officer Sign Up	Muhammad Farman	14/04/2023
UC003	Organization Representative Sign Up	Usman Bin Farid	15/04/2023
UC004	User Sign In	Muhammad Farman	16/04/2023
UC005	Change Password	Safi Ullah	18/04/2023
UC006	Upload Documents	Usman Bin Farid	19/04/2023
UC007	Access Control	Waqas Rashid	20/04/2023
UC008	Freeze Documents	Safi Ullah	20/04/2023
UC009	Document Retrieval	Muhammad Farman	25/04/2023
UC010	Version Control	Usman Bin Farid	25/04/2023
UC011	Document Sharing	Muhammad Farman	25/04/2023
UC012	Password Protection	Safi Ullah	26/04/2023
UC013	Document Search	Waqas Rashid	26/04/2023
UC014	Document Archival	Usman Bin Farid	27/04/2023
UC015	Document Expiry	Waqas Rashid	28/04/2023
UC016	Search Organization	Muhammad Farman	28/04/2023
UC017	Notifications	Safiullah	29/04/2023
UC018	Documents Submission	Usman Bin Farid	29/04/2023
UC019	Document Verification	Safi Ullah	30/04/2023