

DOCS: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE

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Abstract

To improve the current system that enables users to upload, save, and trade documents online, "DOCS ZONE: THE DOCUMENT CLOUD STORAGE SYSTEM ZONE" was created. Additionally, it can share and exchange pictures and videos. Because the internet expanding daily, the majority of people use it for all of their daily demands. Full-time employees of businesses and organizations use It can also share a variety of objectives, such as data exchange, file sharing, and collaboration on tasks assigned by organization management or project managers. As a result, this endeavour is beneficial. with file management and keeps track of every file that employees or users have submitted. You may create, read, organize, and search files from any device with the Paper's assistance.

Keywords: organization, business, document.

1 INTRODUCTION

The Text Mist Loading Scheme Zone, or DOCS Zone for short, is a stage where users may work together, share, and upload documents across multiple devices while safely storing, accessing, and creating folders. Its directory can hold any kind of file; thus, users can access files with different extensions. Users may easily access the contents of the website by dragging and dropping files onto it from their mobile device. As a result, uploading files is easier for users and operators. Arranging a group of documents and

keeping them in a shared folder has additional advantages. Group workers can therefore gain from this. These days, internet is growing at an exponential rate, thus our effort helps a lot of other organizations.

Achieving objectives requires having objectives. Sufficient criteria can help ensure that the plan produces the intended outcomes. It recommends utilizing Google Drive, Dropbox, and S3 as main storage options. Two parts are the administrator and user. Any option on the website can be modified by the administrator. Users find it difficult to cooperate and share when most websites do not provide safe sharing. To handle these situations, DOCS Zone was established. Employee file sharing—which enables them to view files without downloading them—is the main goal of DOCS Zone. A user has the option to download the file whenever they would like a copy. If the files are confidential, they can also email them with strong passwords.

2 LITERATURE REVIEW

The project's past, present, and future research characterize the intended and existing systems. The recommended strategy takes care of modifying the current plan or adding fresh ideas to the project, whereas the current organization makes use of what is currently available on the market. The project's current and intended systems are explained in the following.

2.1 EXISTING SYSTEM

While there are comparable apps, a lot of them are pricey, especially for businesses. Online document exchange is made possible by several applications, but using them necessitates logging in. They can't do business unless they get paid. Access to this is a prerequisite for the advanced level the IT engagement, but it might be challenging for smaller organizations to offer. For example, managing a startup business might be difficult. Because of the restricted storage space, large organizations find it difficult to save more papers online. Security and long-term file storage are not achievable. Long-term storage can cause users to lose automatically erased files.

2.2 PROPOSED SYSTEM

Despite all of its shortcomings, users now can now able to the new program, which fixes every problem with the current system. Users are not charged to logging in or enter the location for commercial use. For easier searching, users can arrange files into a single folder. Instead of saving the Xerox copy, users may choose to store it in his software. By doing this, more green trees are saved because less paper is utilized. To ensure that originals are always protected, users can also scan and upload the originals into the application. It may be downloaded for free and has greater space. It's easy for other users to access files that you share with them without requiring them to download anything or register on the website.

This website only requests your password and email address because employees of the firm are occasionally too busy with work to fill out the entire registration form. This aids in lessening the issue. Operators can also add favourites, modify passwords, copy a file or folder, copy the link to the file or folders, share, upload, preview, rename, delete, move, and so on.

3 ANALYSIS

The system viewpoint states that the environment defines the overall behaviour of the system. It replicates the system's networked concepts or environment, which users may access from anywhere at any time. It explains how consumers interact with websites and provides capabilities like as cloud computing, outputs, and suitable authentication. Perspectives can be classified into three categories: interactional, behavioural, and structural. Interaction views are models of interactions between the system and its components or between the environment. The behavioural perspective models the system's active behaviour and its reaction to an event. From a structural perspective, the system that the data structure or system organisation processes is modelled.

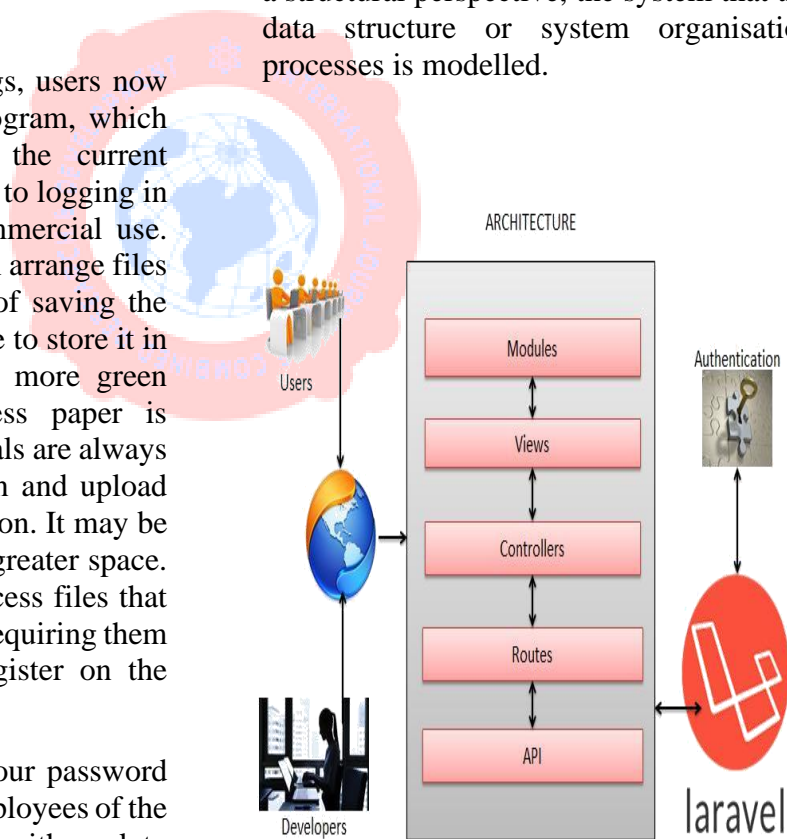


Figure: Architecture Diagram

Data flow diagram

Data flow between models is graphically represented by a data flow diagram., information systems, and process components. It will give a system's overview. The kinds of information entered into the input, the display of the output, and the processing and All of the system's data are explicated. are all explained. It displays information instead of providing system time. The system's input/output is shown as a rectangle in the flow diagram, while the process is represented by a circle, the flow by an arrow mark, and the database or file by two parallel lines. The project's current status is shown in the graphic below URL is supplied to the user.

At Level-0, the first and most fundamental level of the data flow diagram, an overview of the project is provided. Another name for it is a context diagram.

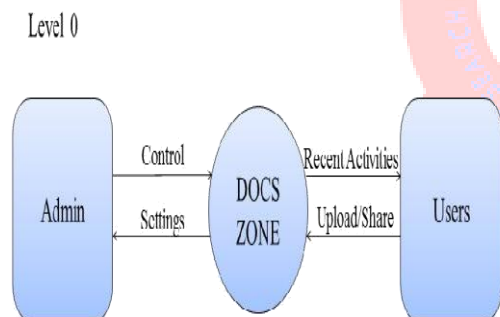


Figure: Level-0 DFD

The graphic provides a straightforward explanation of this project, with the administrator serving as this main controller to regulate user flow and modify project settings. When users check in and do their duties, they become the operators. Level 1 represents the second DFD level, wherein each component of level 0 it is further subdivided. It provides a more detailed description of this project than the context level graphic does.

Database design

Example that follows demonstrates how to make a database for every table. ID is often used as the primary key.

Users

| Quality Term | Data Type | Size | Constraints |
|---------------------------|------------|------|------------------|
| <u>Id_docs</u> | int1 Users | 10 | pk |
| <u>usname</u> | Varchar | 255 | Null |
| <u>fstname_docs</u> | Varchar | 255 | Null |
| <u>lstname_docs</u> | Varchar | 255 | Null |
| <u>avtrurl_docs</u> | Varchar | 255 | Null |
| <u>Gen_docs</u> | Varchar | 255 | Null |
| <u>Permission_docs</u> | Text | - | Null |
| <u>Mail_docs</u> | Varchar | 255 | Foreign Key (PK) |
| <u>Pass_docs</u> | Varchar | 60 | None |
| <u>remtoken_docs</u> | Varchar | 100 | Null |
| <u>create_at_docs</u> | Timestamp | - | - |
| <u>update_at_docs</u> | Timestamp | - | - |
| <u>stripe_active_docs</u> | tiny int | 4 | 0 |
| <u>strip_id_docs</u> | Varchar | 255 | Null |
| <u>strip_sub_docs</u> | Varchar | 255 | Null |
| <u>striplan_docs</u> | Varchar | 100 | Null |
| <u>lstfour_docs</u> | Varchar | 4 | Null |
| <u>Trial_end_at_docs</u> | Timestamp | - | Null |
| <u>sub_ends_at_docs</u> | Timestamp | - | Null |

Figure: Database Table Design for users

Tables are constructed in order to possess a copy of the users who have registered. It captures and facilitates data analysis. It is advised to save the project's data information. A number of tables have been created to evaluate and safely store the data. Users, settings, Activities, files, folders, password reset, labelable, and users_oauth are the table names. Upon logging in, these tables allow data to be stored and analysed for users and administrators a like.

Use case diagram

Use Case Diagrams, behaviour diagram's visual depiction of a series of actions carried out by the system. It works better

when users are more visible. The outcomes of the use case should be evident and beneficial to the users of the system. To use the system in the analysing or designing process, requirements are required. The system's or environment's operation needs to be described in order for it to offer services.

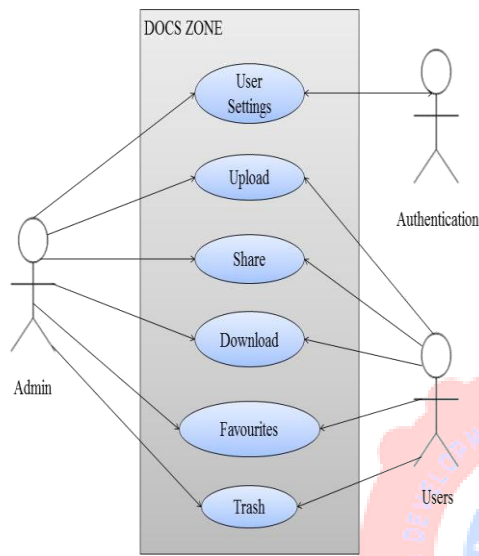


Figure: Use Case Diagram

In the picture of the Use Case above, the undertaking is seen operating Having one or more concurrent operations. One person working on an assignment at a time may be working on it alongside other individuals. There won't be a merger or loss of data. Users can do concurrent actions such as uploading, downloading, sharing, deleting, and adding favourites.

4 IMPLEMENTATION

The landing page is the first page that a new website visitor see. An overview of the project in original language is given. The registration button sits underneath the content, enabling new users to access the site. Once the user clicks the register button, the registration page loads. The buttons that say "register" and "login" are situated in the

top right corner. Users can browse the website and be taken to the appropriate pages by choosing the "login" and "register" options.

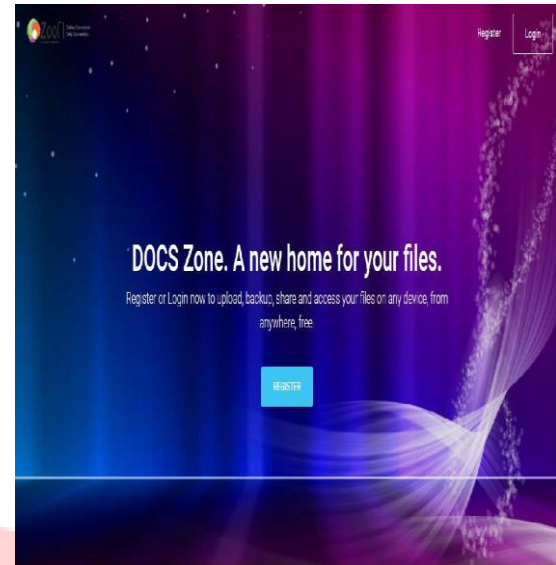


Figure: Homepage

Selecting "Register" brings up a new screen with spaces to enter the password, email address, and password again. The user may view the login page after entering the information. They can also access profiles on Facebook, Google+, and Twitter. After enrolling, individuals may access their account at any time by using their password and given email address.

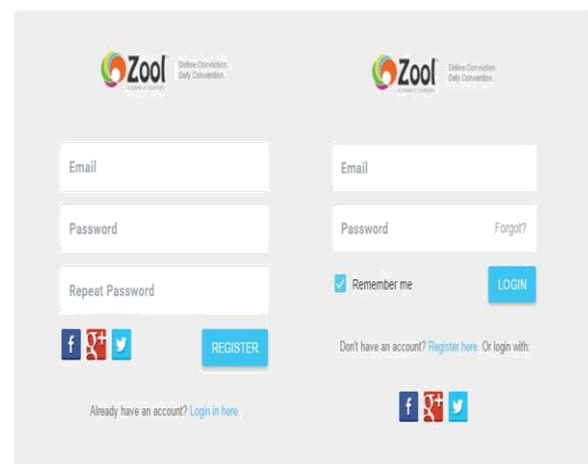


Figure: Register and Login Page

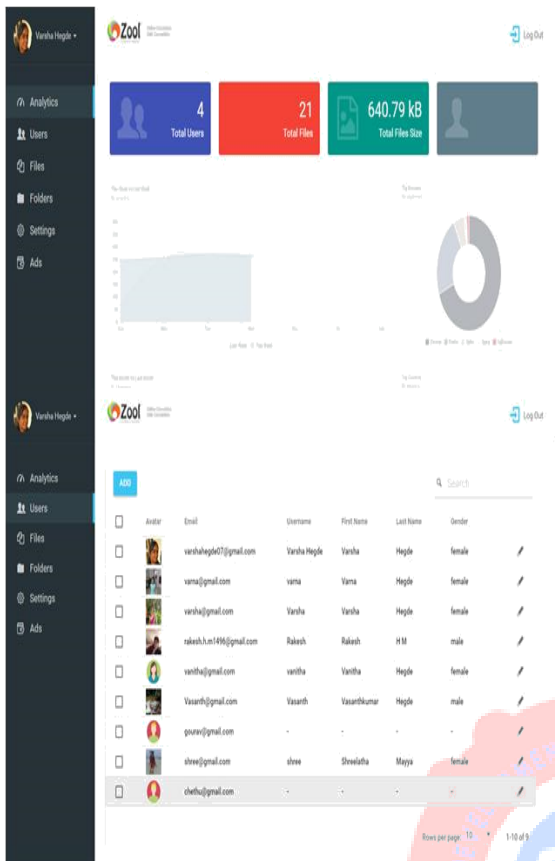


Figure: Analytics and Users

5 RESULT

Data management and organizational efficiency have significantly improved as a result of the use of a document cloud storage solution. The primary outcomes are enhanced accessibility; employees can now able for the documents from anywhere with an internet connection, facilitating remote work and collaboration. This system also offers robust security features, including encryption and multi-factor authentication, which protect sensitive information from unauthorized access. Additionally, automated backup and recovery processes have minimized data loss risks, ensuring business continuity. The transition to cloud storage has also resulted in cost savings, as it reduces the need for physical storage space and maintenance of on-premises servers. Overall, the adoption of a document cloud storage system has streamlined operations, enhanced security, and reduced costs, making it a valuable asset for modern businesses.

The process of carrying out a strategy, concept, model, design, standard specification, policy, or algorithm is called implementation. It addresses specification, computer system, algorithm program, software programming, and software deployment. It addresses how the project is being carried out. Modules including register, login, upload, share, collaborate, download, transmit, move, and copy are used in this project. To gain access to the login, the user must fill out a registration. The registration page provides a user with a key to access the website from any computer or device, along with email and password confirmation data. The user can sign in for work-related or personal purposes. Users, both personal and business, may sign up using their password and email address. They can log in to after supplying their basic details.

| Test No. | Test Case | Expected output | Actual Output | Result |
|----------|----------------|--|--|--------|
| 1 | Actions | After clicking action trash option is available. | Users can see trash option. | Pass |
| 2 | Trash | By clicking trash the file or folder is added to trash. | Successfully trash contains deleted file. | Pass |
| 3 | Trash folder | The users can see the deleted files list. | List of deleted files is shown. | |
| 4 | Restore | By right-clicking the file or folder restore option is available and if the users click that then the file or folder will be restored. | File or folder will be restored back to the original location. | Pass |
| 5 | Delete forever | By right clicking the file delete forever option is available and users can delete the file or folder permanently. | File or folder will be deleted forever. | Pass |

Figure: Unit test cases for module trash

6 CONCLUSION

Rich in features, The Document Cloud Storage System Zone, tastefully designed platform that enables secure password exchange and customisable user interfaces. Cloud storage concept that enables distant internet access. Customers and users may enjoy and have flexibility in how they use this programme. The user gains control over his actions and becomes a self-admin after checking in.

It has the ability to upload and send any form of file. Every setting, including schools, universities, organisations, institutions, businesses, and workplaces, uses it since it's convenient to transmit data and maintain records online. It connects with them automatically when we send files to people using their email addresses. A user may also delete or remove files or folders that are no longer needed or after their task is over. Since the trash provides backup, these files and folders may still be accessible. This project's main objective is to swiftly and simply exchange and upload data online.

7 FUTURE ENHANCEMENTS

It can transmit and upload any kind of file. Due to the ease with which records may be stored and information can be shared online, it is utilised in all fields, including education, business, organisations, and colleges. As soon as we exchange files with someone using their email address, it collaborates with them instantly. In addition, users have the option to delete or remove files or folders when they are done or not in use. These may be retrieved through the trash since they serve as backups.

8 REFERENCES

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