



Manage your files with
ease

StoreIT is a cloud storage platform that allows you to store
your files securely and access them anywhere.



StoreIT – File Storage Platform

Secure | Scalable | User-Friendly

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Problem Statement

User Needs

Secure, simple, scalable platform for file storage and sharing.

Existing Solutions

Often complex, paid, or lack customization options.

Opportunity

Responsive, user-friendly system with secure access and efficient handling.

Project Overview

Platform

Cloud-based file storage and sharing.

Technologies

- React frontend
- Flask backend
- MongoDB + GridFS storage

Inspiration

Inspired by Google Drive and Dropbox.



Key Features



Secure Login

OTP-based user authentication.



File Management

Upload, view, delete, and categorize files.



Storage Tracking

Real-time usage monitoring.



Sharing

Generate shareable links with access control.

Architecture

Frontend

React for dynamic UI components.

Storage

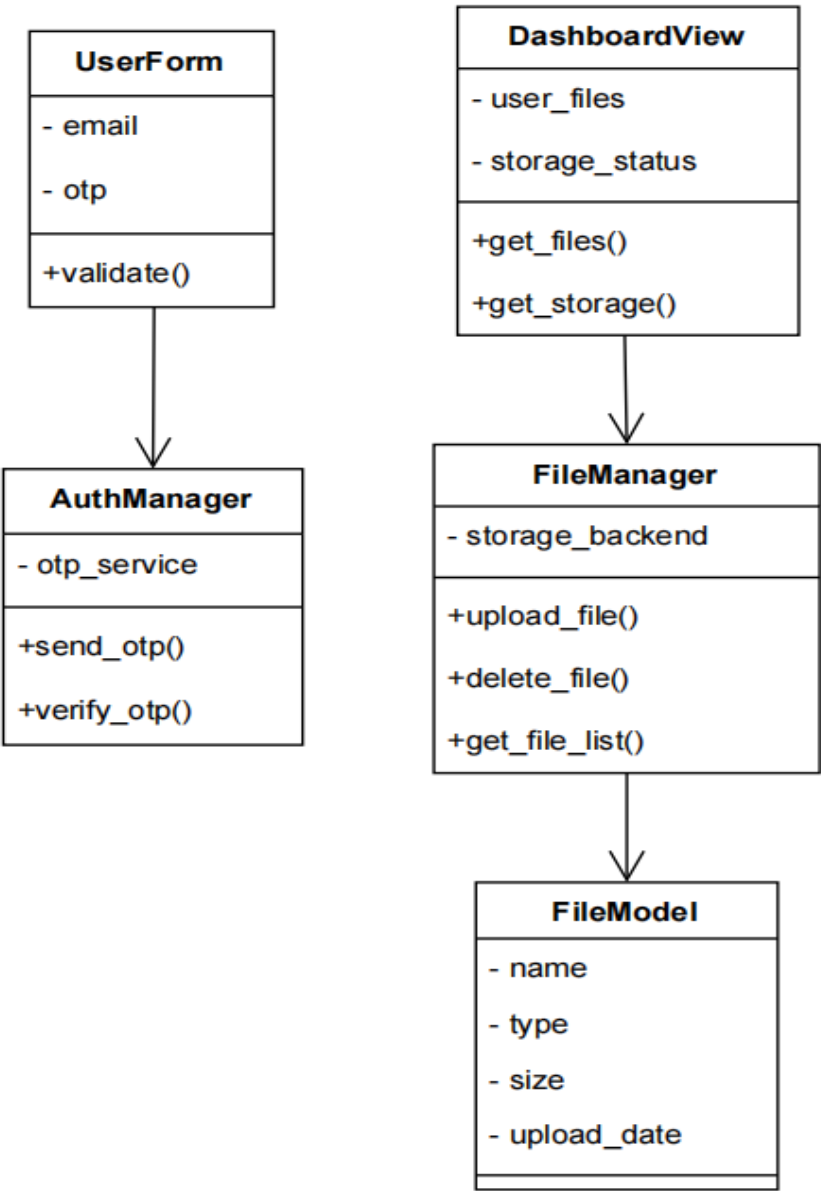
MongoDB for metadata, GridFS for large files.

Backend

Flask with REST API for server logic.

Authentication

JWT and OTP for secure login.



Functional Requirements



OTP Authentication

Secure user login via one-time password.



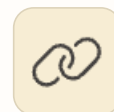
File Management

Upload, preview, and delete files easily.



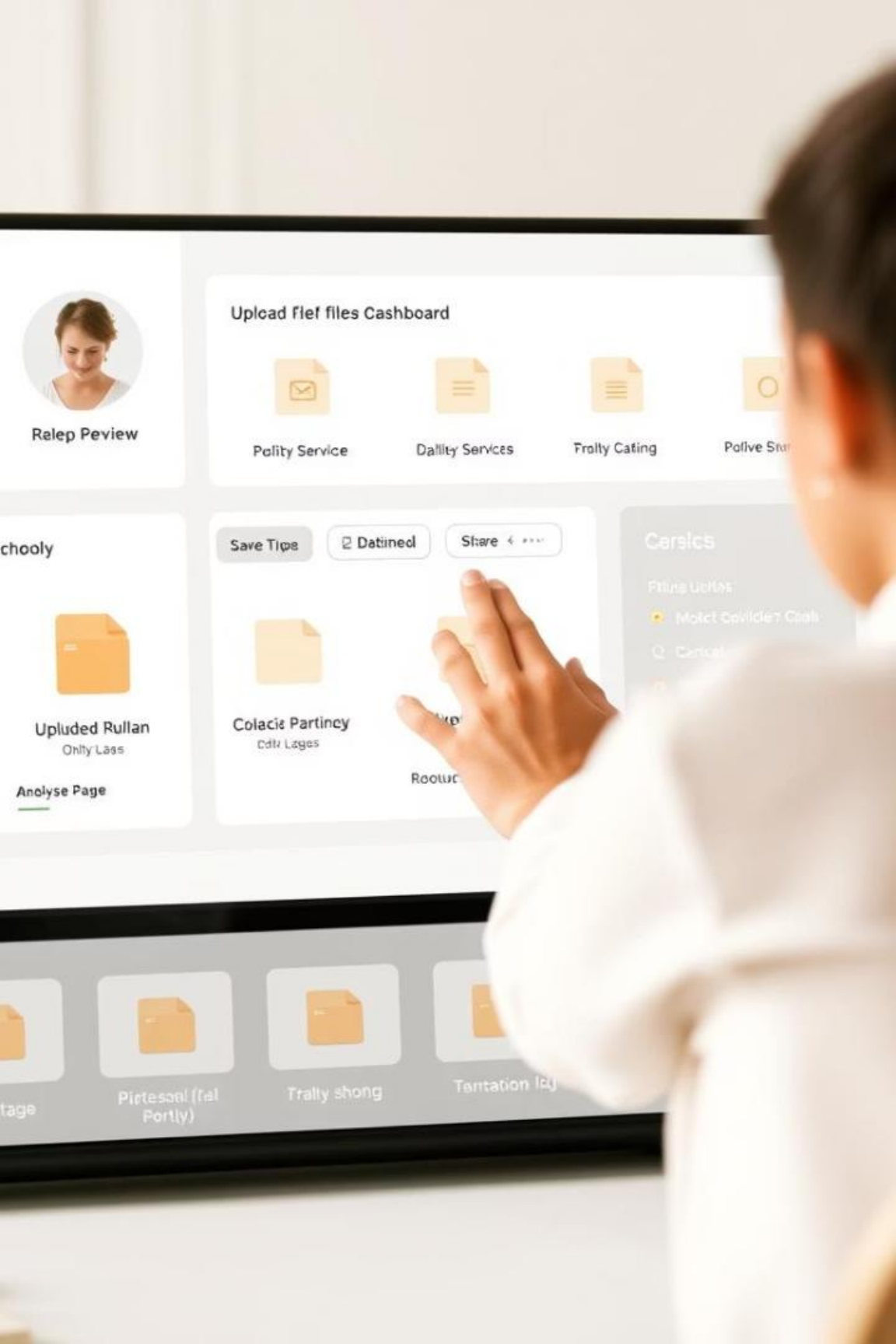
Dashboard

Storage analytics and file overview.



Link Sharing

Generate and manage shareable file links.



Non-Functional Requirements

Security

Secure API communication with JWT and HTTPS.

Scalability

Modular design to support growth.

Performance

Fast async operations for responsiveness.

Accessibility

Mobile-responsive user interface.



Technology Stack

Frontend

- React
- HTML/CSS
- Axios

Backend

- Python
- Flask

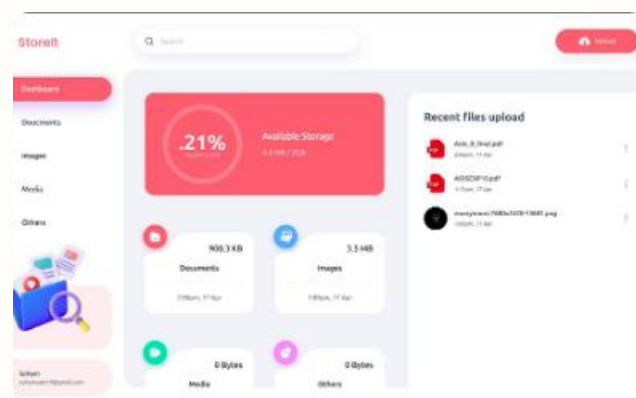
Database

- MongoDB
- GridFS

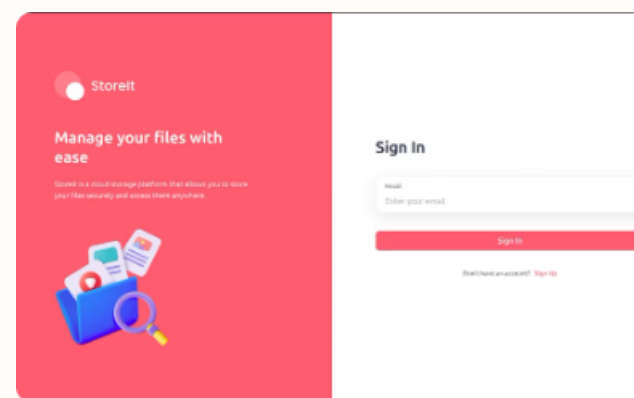
Security

- JWT
- OTP service

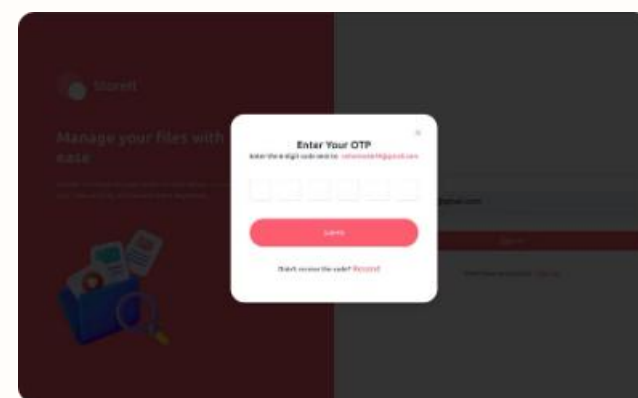
Conclusion & Future Scope



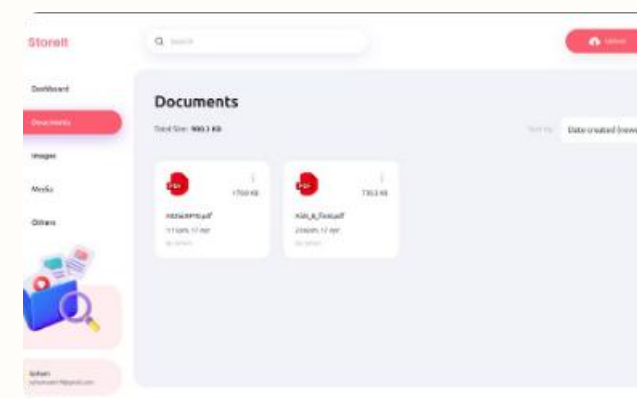
Login Page



Dashboard View



Upload Interface &
File List



Shareable Link
Modal

Working & Use Case

1

Login

User enters email and receives OTP.

2

Authenticate

Access dashboard after OTP verification.

3

Manage Files

Upload, organize, and track storage usage.

4

Share

Generate secure shareable links for files.



Conclusion & Future Scope

Conclusion:

StoreIT simplifies cloud file management through a secure, scalable, and intuitive platform . It integrates modern tools for efficient storage, sharing, and user experience.

Future Scope:

- Role-based access control
- File versioning and history tracking
- Real-time collaboration tools
- Integration with third-party cloud services