



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

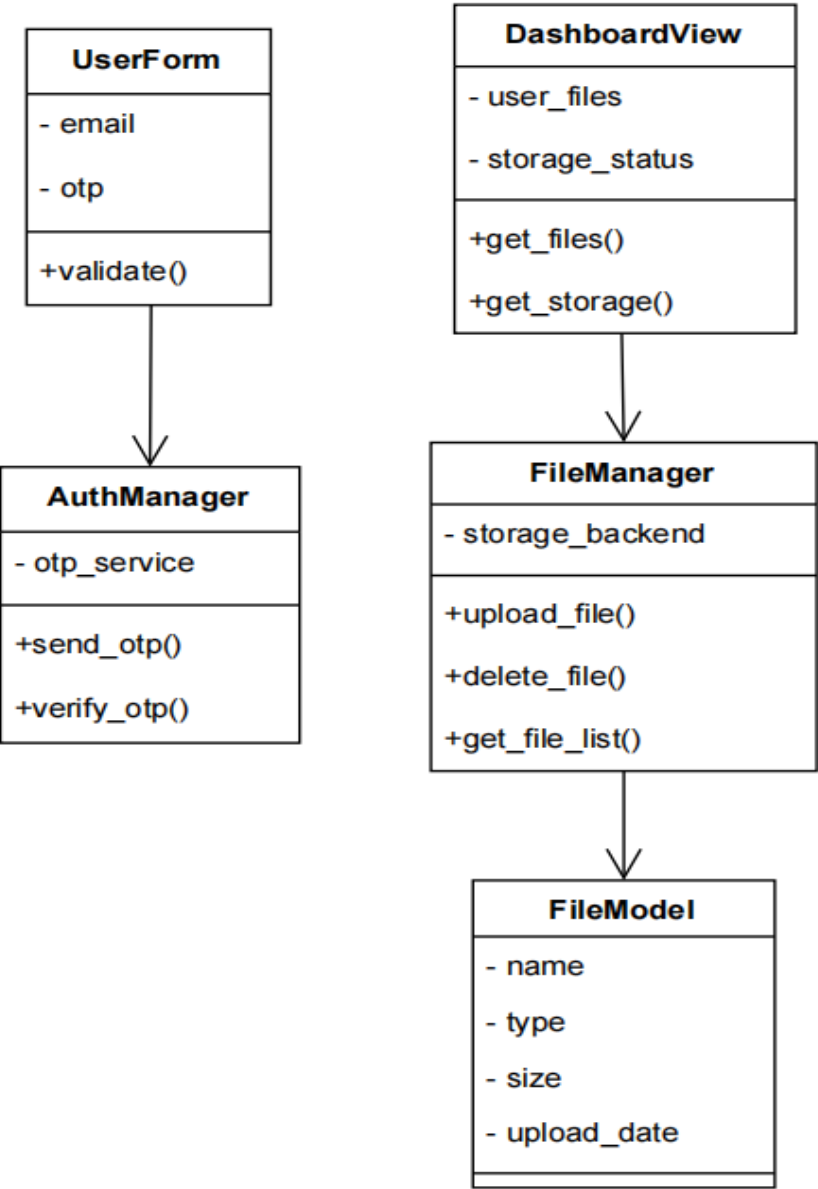
MongoDB for metadata, GridFS for large files.

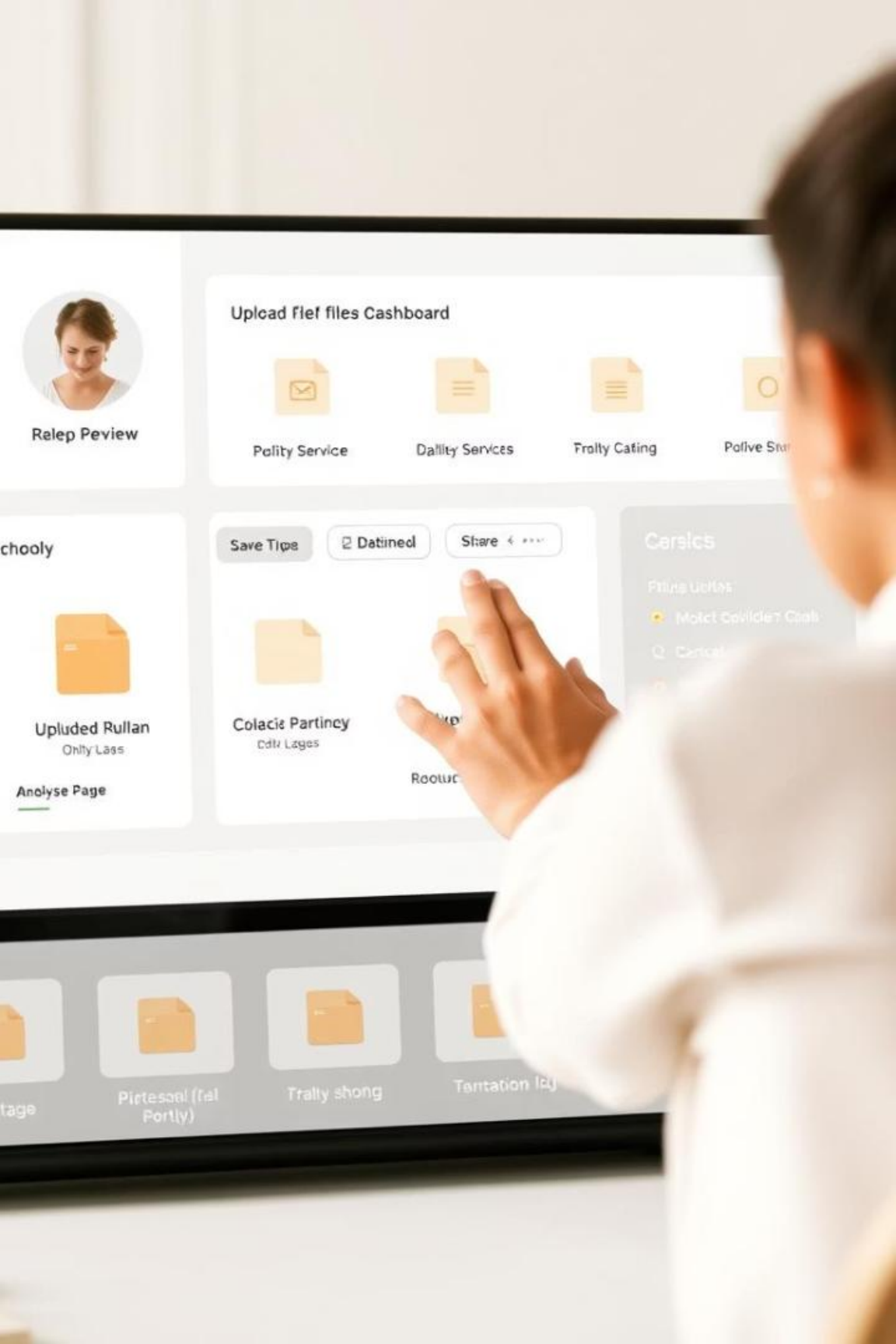
## Backend

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

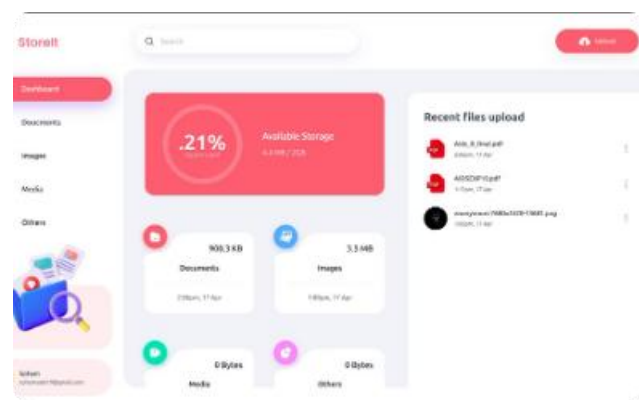
- MongoDB
- GridFS

## Security

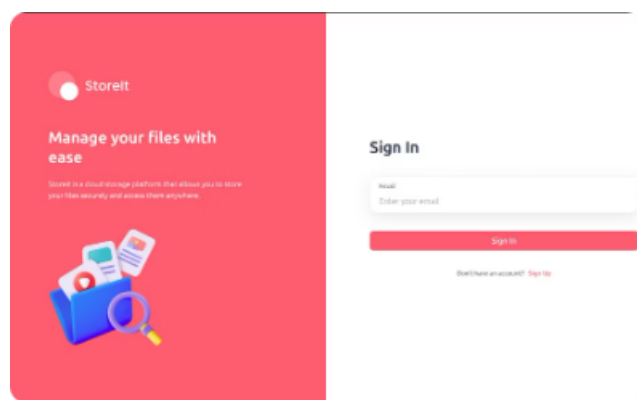
- JWT
- OTP service



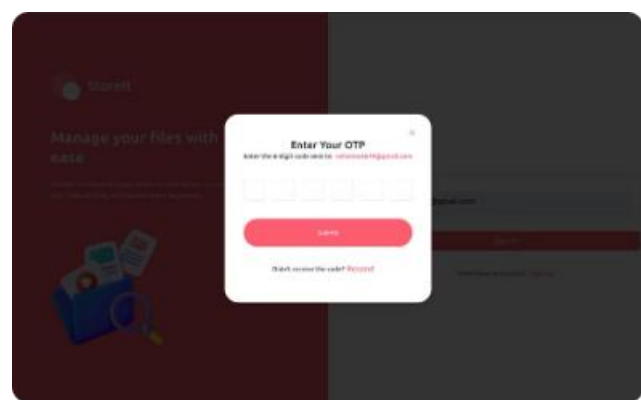
# Implementation



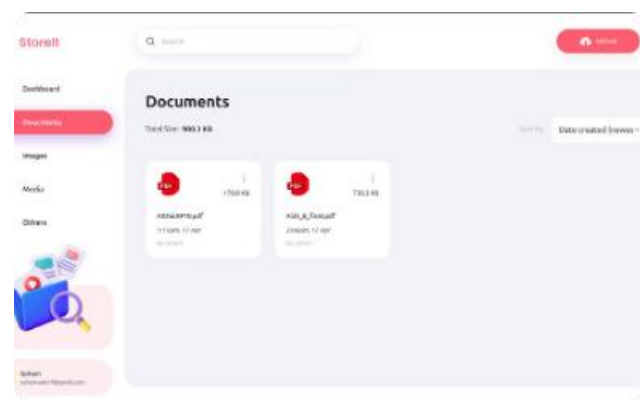
Login Page



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

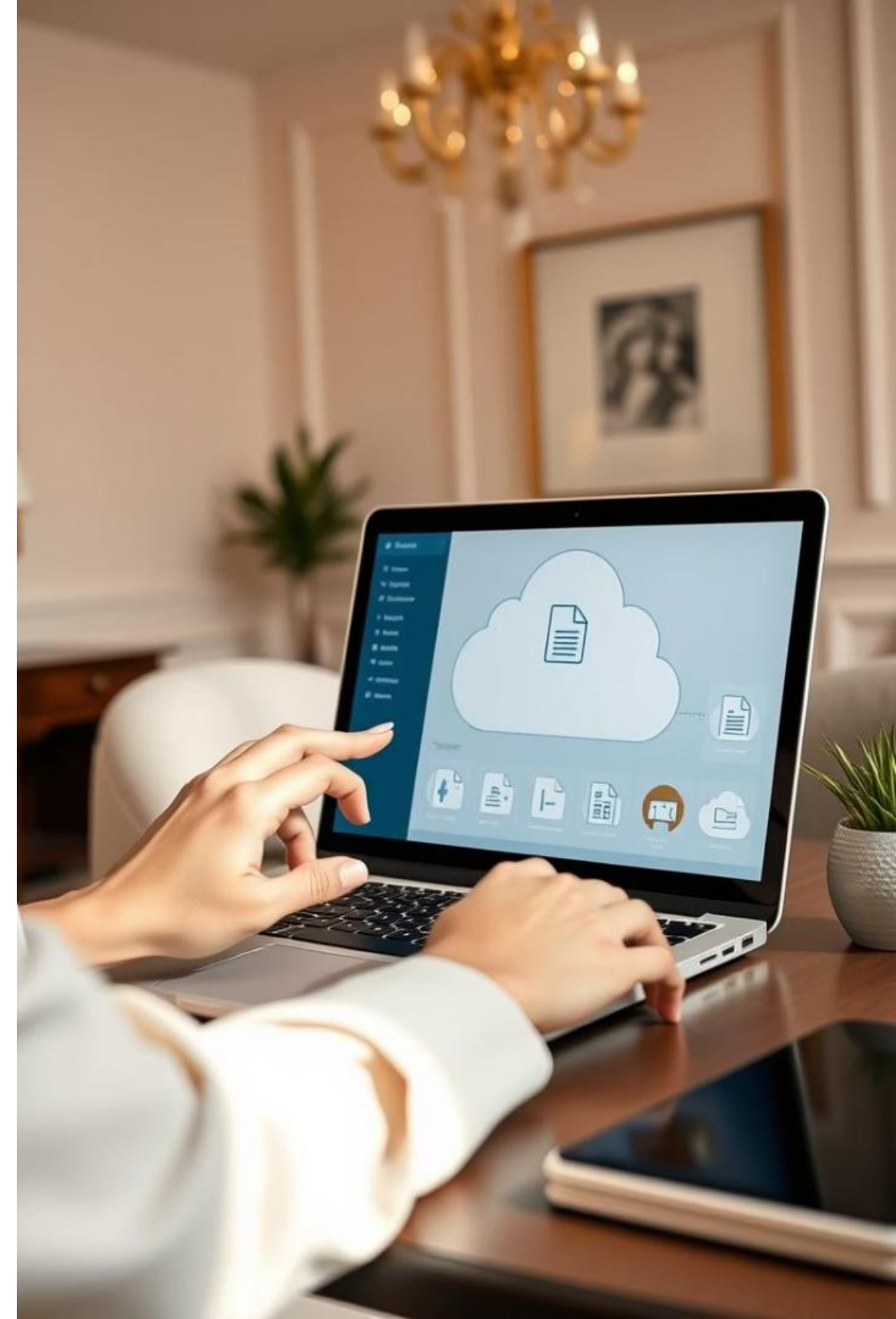
## Manage Files

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