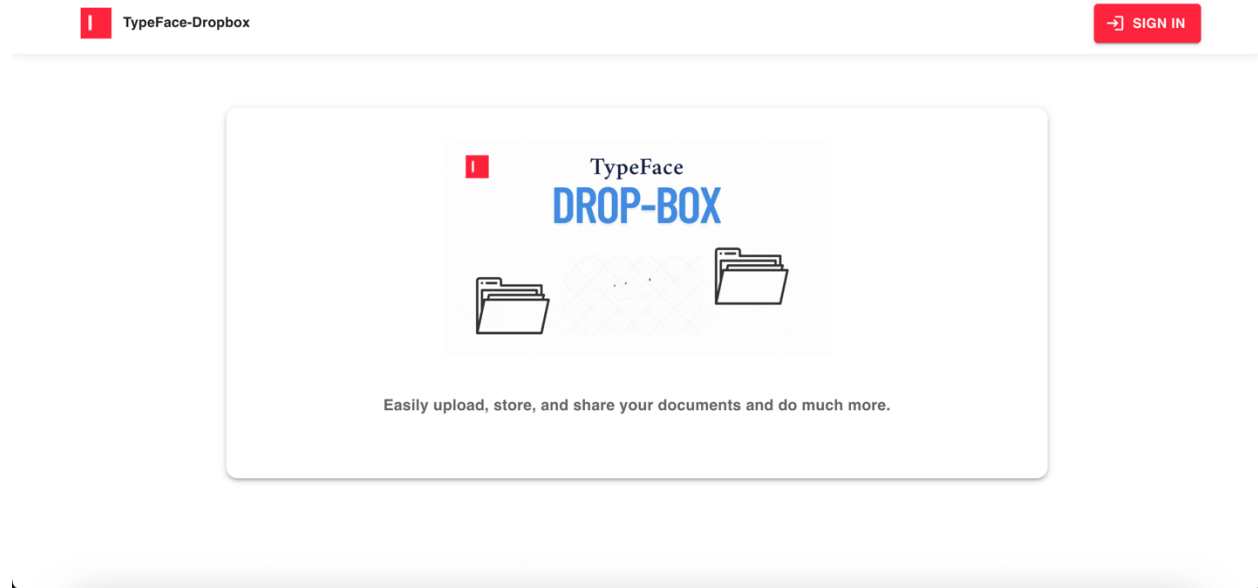


TypeFace -Assignment,

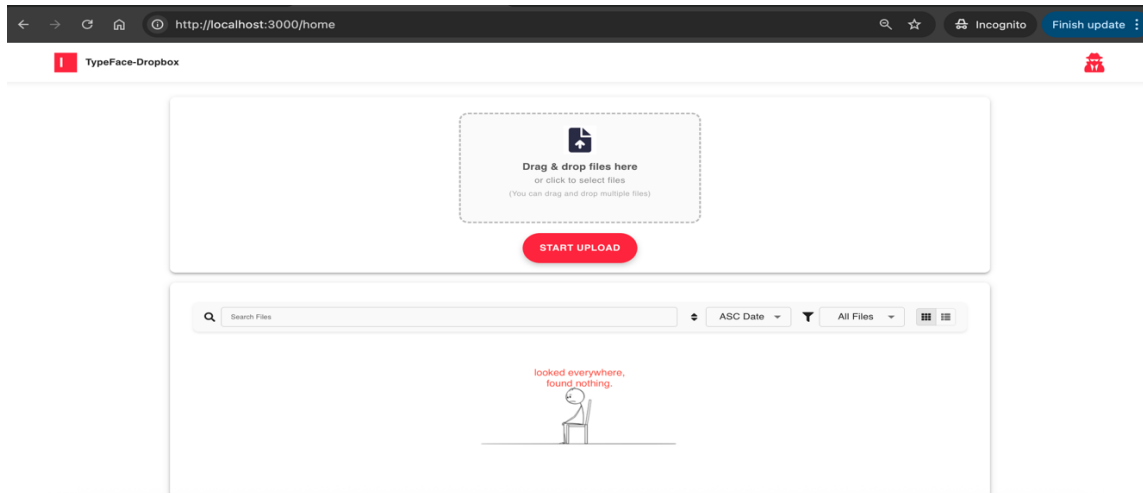
Shubham Verma,
shubhamgh00@gmail.com

A full-stack Dropbox clone using ReactJS for the frontend, Node.js for the backend, and MongoDB for meta-data and local FMS for storage.

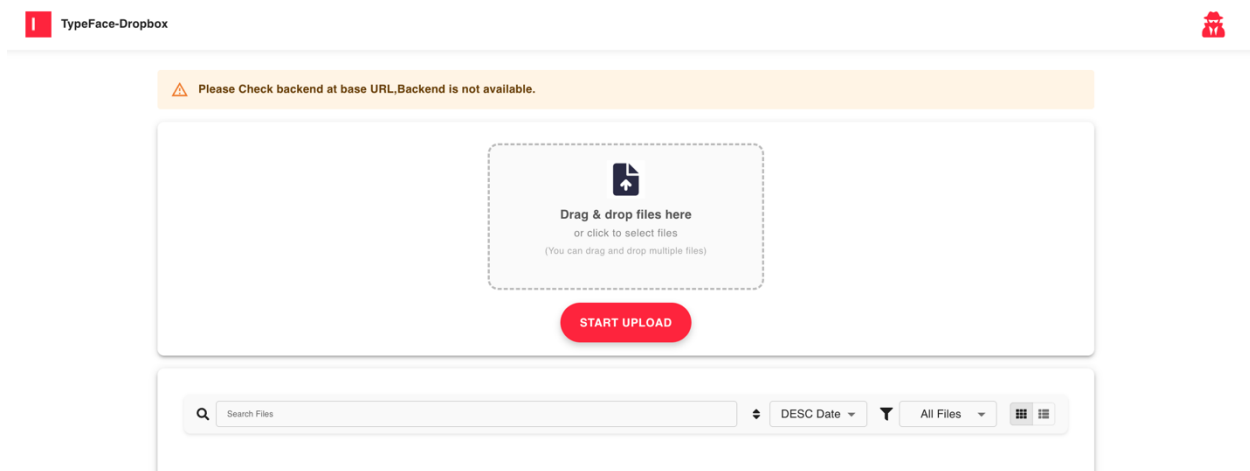
1. A welcome page, a sign-in button with logo and welcome image.



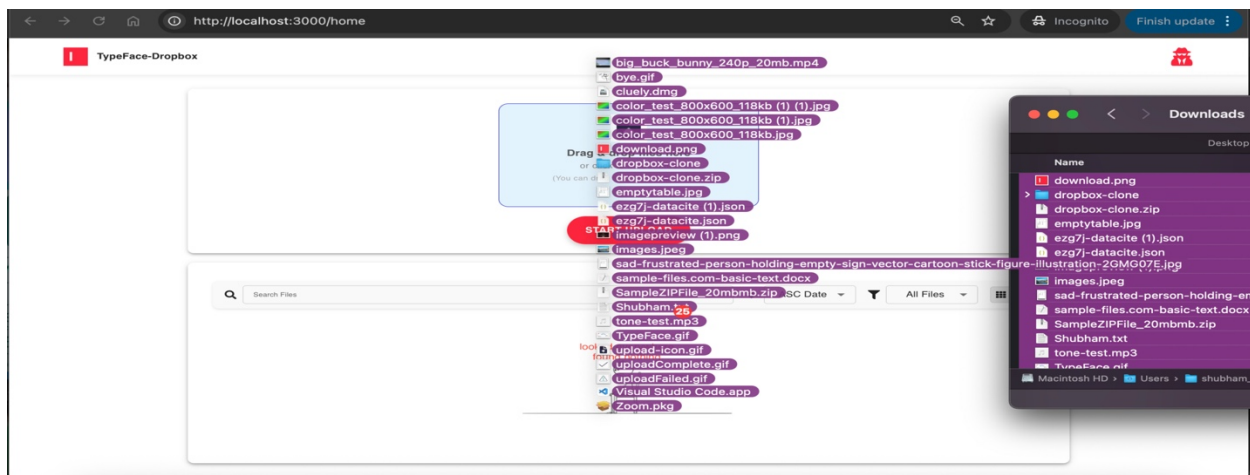
2. Home page with the following,
 - a. Nav bar with logo text, a profile menu.
 - b. File drag and drop vaild to whole screen, file section area, with upload button.
 - c. A uploaded file viewing section, with the following, search, sort, filtering and two view modes.
 - d. A footer component at the bottom.



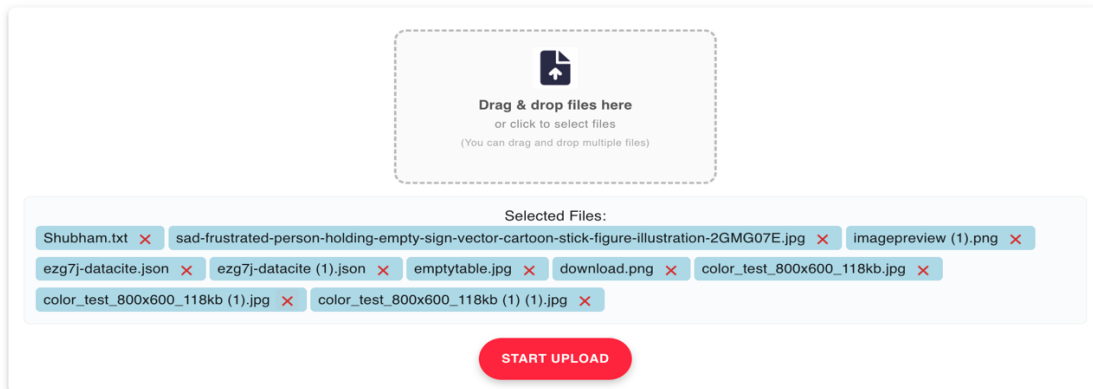
3. A warning will appear is backend is down.



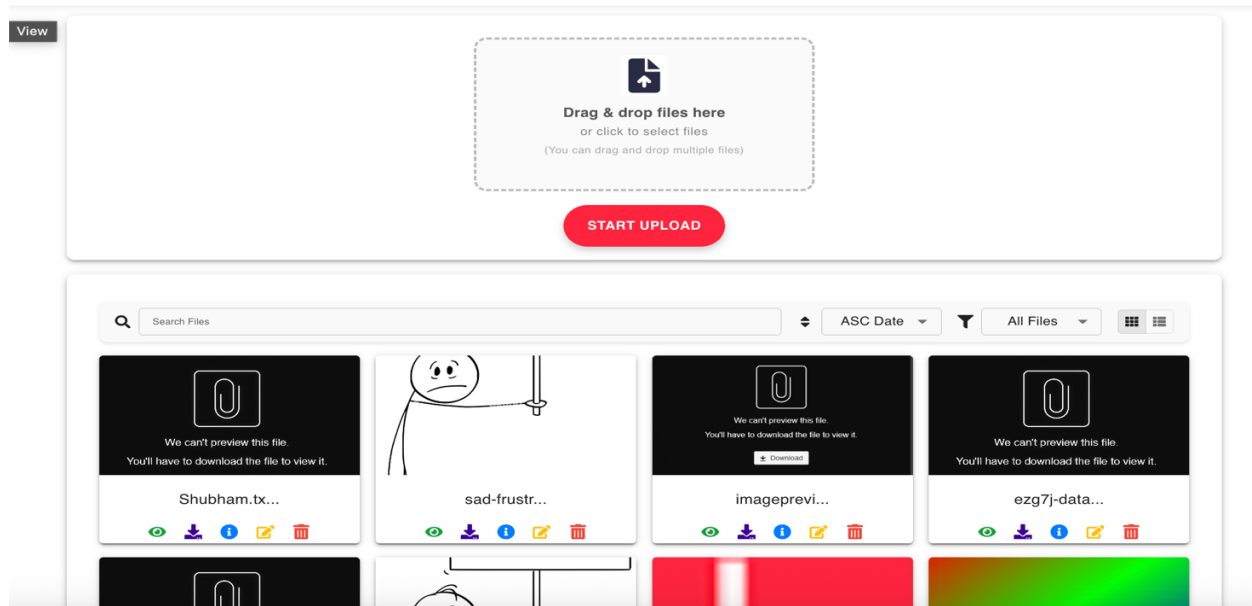
4. Drag and drop functionality to add files or select the files to upload (max 15 files/upload & 10MB/file)



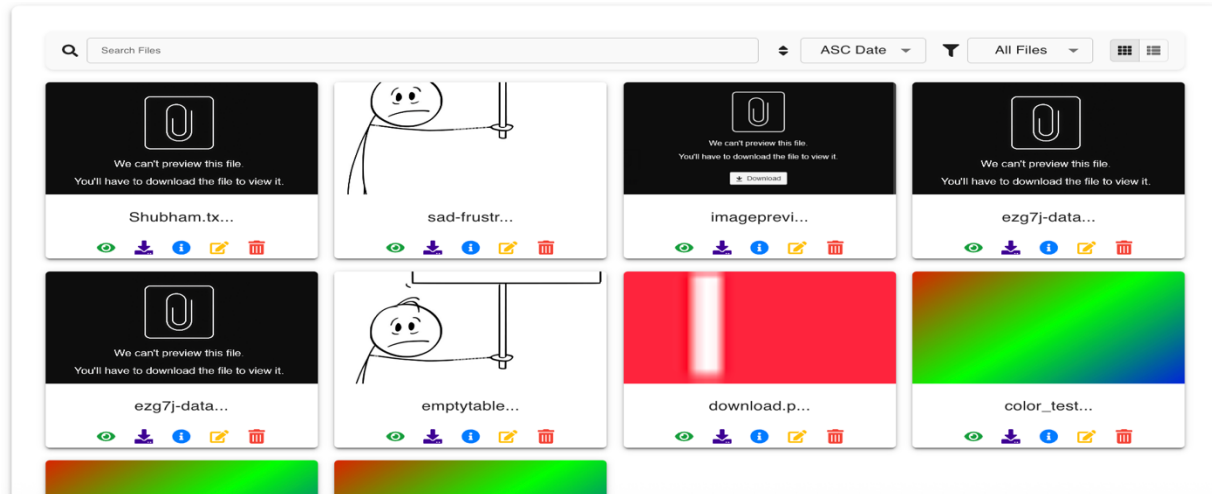
5. Files as a array list uploaded with click to delete from upload array, start upload to start upload



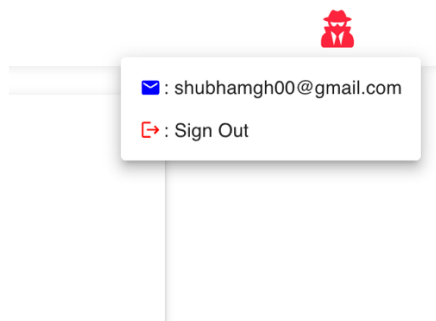
6. Files uploaded to the view with success message, syncs automatically without refresh, and form reset



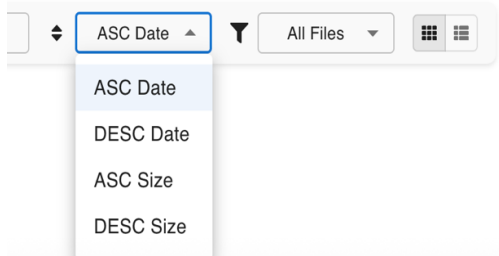
Continued->



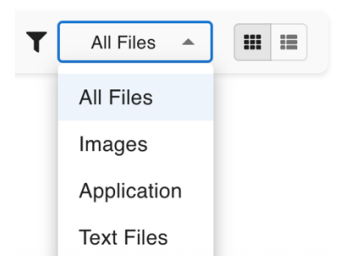
7. A profile menu dropdown with userEmail and sign-out button.



8. Search functionality with File name search and filter, view modes.

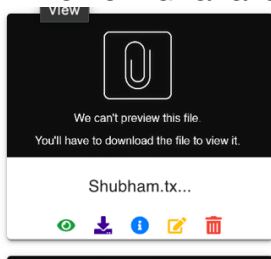


a.



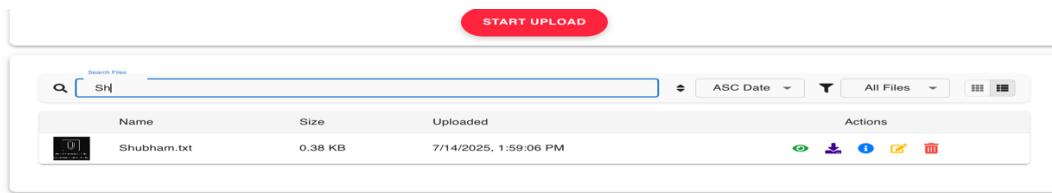
b.

c. Preview unavailable to some pic, It will use fallback image



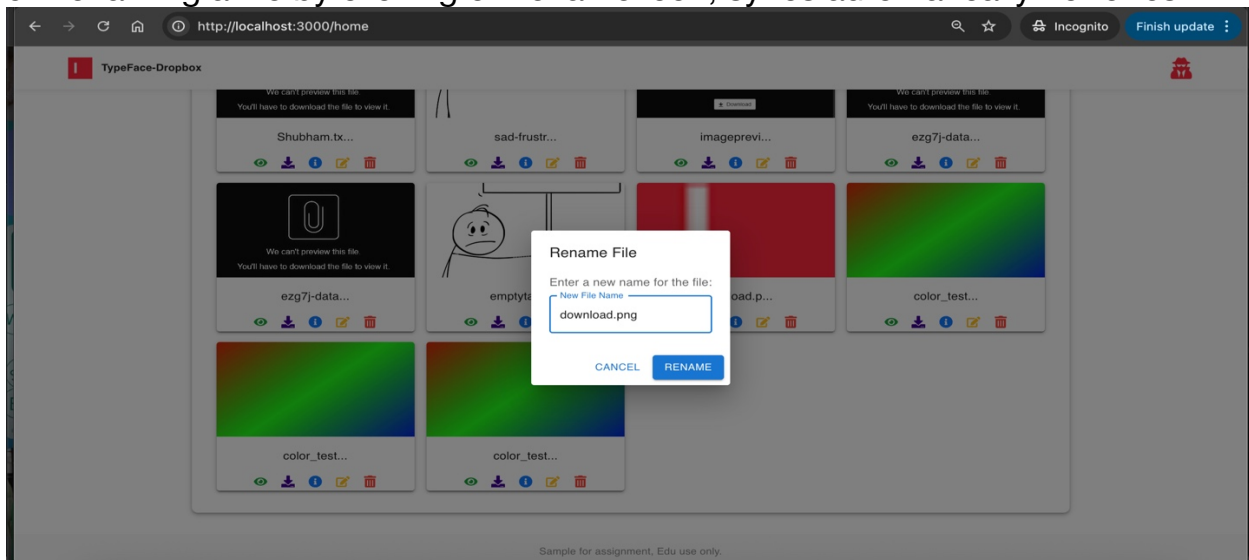
card view to 1. View in new tab, download, info of file, Rename the file, Delete the file.

continued.
d.



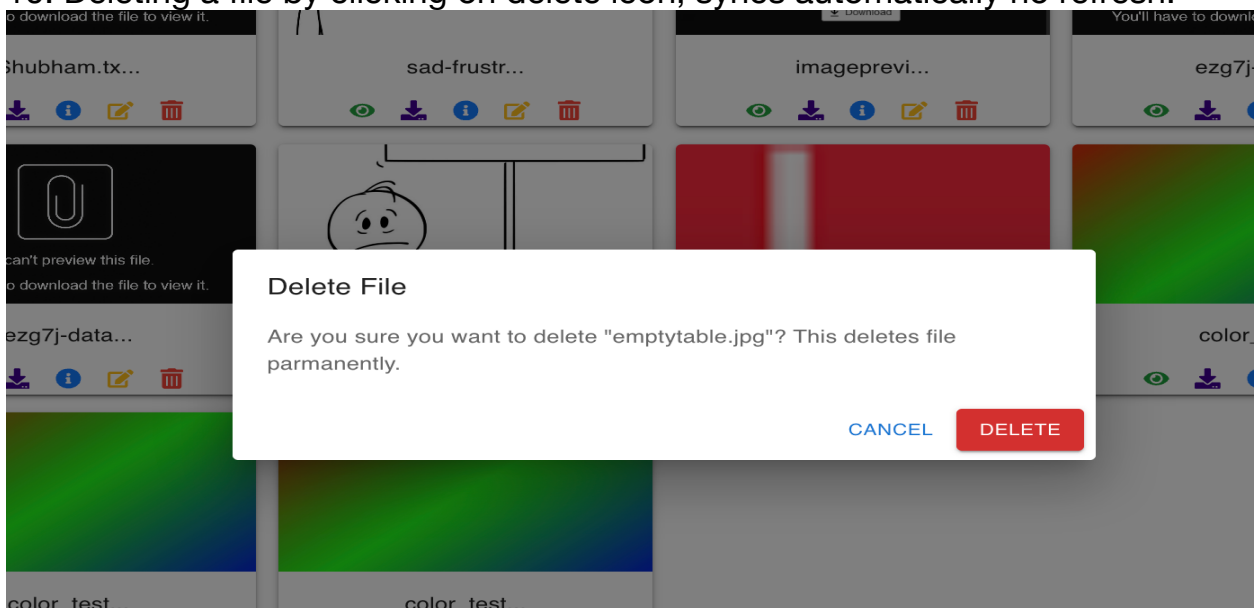
Sample for assignment, Edu use only.

9. Renaming a file by clicking on rename icon, syncs automatically no refresh.

































Sample for assignment, Edu use only.

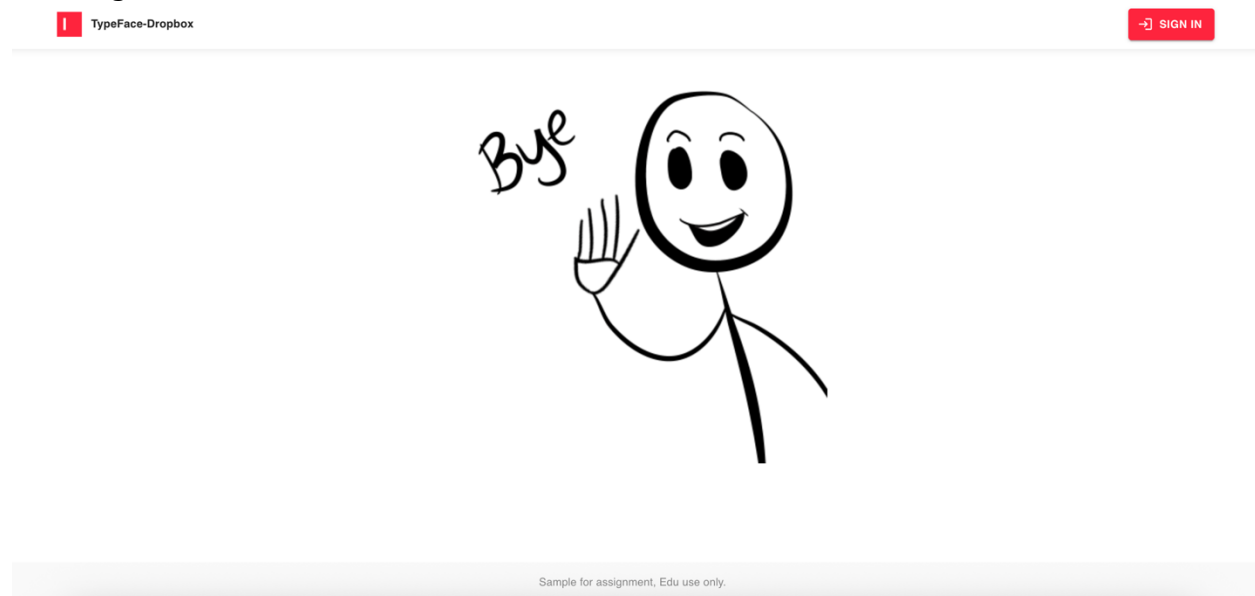
10. Deleting a file by clicking on delete icon, syncs automatically no refresh.



11. List View for the uploads.

Search Files		ASC Date	All Files	
Name	Size	Uploaded	Actions	
 Shubham1.txt	0.38 KB	7/14/2025, 2:09:08 PM		   
 sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-illustration-2GMG07E.jpg	35.11 KB	7/14/2025, 2:14:15 PM		   
 Shubham.txt	0.38 KB	7/14/2025, 2:16:16 PM		   
 sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-illustration-2GMG07E.jpg	35.11 KB	7/14/2025, 2:16:42 PM		   
 emptytable.jpg	60.52 KB	7/14/2025, 2:32:58 PM		   

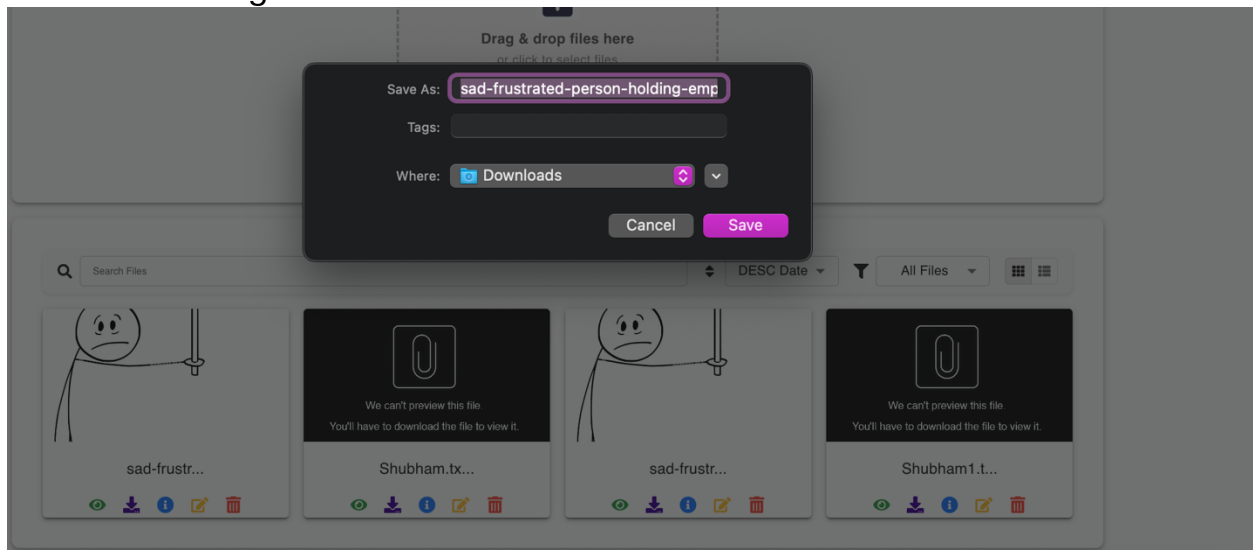
12. Logout Screen.



13. Logs in the backend.

```
🚀 Server running at http://localhost:5000
🔗 MongoDB connected successfully
Files upload success
Files upload success
Files upload success
Files upload success
Files upload success
File deleted successfully: 745f2314-1b76-439e-a0a9-202fe46361a0.jpeg
File deleted successfully: 5c98fb99-3f6f-4734-b89d-3d4a9025322c.png
File deleted successfully: 53025090-30aa-47cb-a392-b601c5d0b894.jpg
File deleted successfully: 246344b7-5496-47c1-8e04-db54b7de2344.txt
File deleted successfully: 4aa9622c-d42a-4795-838f-c42b85eef8e8.jpg
File deleted successfully: 0d64e05c-db30-46a9-a38f-da00c9965a31.jpg
File deleted successfully: 3e6ded6e-107c-4d4c-9a9b-9d18f491642d.jpg
File deleted successfully: 99c82fd9-35a7-4f98-8ba7-69775138977e.png
File deleted successfully: 9ea5b50f-b51a-48dd-bb0a-c09428ba06f4.jpg
File deleted successfully: 32a2d324-34f5-4b10-a6dd-7d95ea8feb97.json
File deleted successfully: b7f8f84a-aff6-4349-b82c-fd1513780de9.json
File deleted successfully: cf1d4cc1-04e5-44ae-ab1a-ad45dead1c2c.png
File deleted successfully: 04017ae8-0edd-48b9-a53a-840ae8029fce.jpg
File deleted successfully: 0008bf77-e290-4c6c-95a6-55e6619ea167.txt
Files upload success
Files upload success
```

14. Downloading a file.



```
%curl 'http://localhost:5000/api/files/all=true'
{"files":[{"_id":"6874c3f232842b1f3d450e6e","originalName":"sad-frustrated-person-holding-empty-vector-cartoon-stick-figure-illustration-2GMG07E.jpg","filename":"71f5f254-fd55-4279-b945-76b6faf13b83.jpg","mimetype":"image/jpeg","size":335949,"uploadedDate":"2025-07-14T08:46:42.555Z","fileType":"image","_v":0},{_id":"6874c3d832842b1f3d450e6a","originalName":"Shubham.txt","filename":"bc3a1ad4-2fae-4e78-aaf6-230b7b947848.txt","mimetype":"text/plain","size":384,"uploadedDate":"2025-07-14T08:46:16.861Z","fileType":"text","_v":0},{_id":"6874c35f32842b1f3d450e64","originalName":"sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-illustration-2QMG07E.jpg","filename":"c9489b5b-be08-4231-bb0b-956a3b9c02a2.jpg","mimetype":"image/jpeg","size":335949,"uploadedDate":"2025-07-14T08:44:15.376Z","fileType":"image","_v":0},{_id":"6874c22c32842b1f3d450e54","originalName":"Shubham.txt","filename":"fd4cecd3-c863-44ef-ba6e-05348d4c2448.txt","mimetype":"text/plain","size":384,"uploadedDate":"2025-07-14T08:39:08.027Z","fileType":"text","_v":0}],total:4}

~ %

~ %curl -O 'http://localhost:5000/api/files/preview/71f5f254-fd55-4279-b945-76b6faf13b83.jpg'

~ %
  Total      % Received % Xferd Average Speed   Time    Time     Time  Current
                                 Dload Upload   Total   Spent    Left   Speed

100 35949  100 35949    0     0 3997k      0 --:--:-- --:--:-- --:--:-- 4388k

~ %

~ %curl -F "files=@Users\Shared\emptytable.jpg" http://localhost:5000/api/files/upload
[{"originalName":"","emptytable.jpg","filename":"54245af4-642d-4520-871a-69a21401e891.jpg","mimetype":"image/jpeg","size":61973,"uploadedDate":"2025-07-14T09:02:58.947Z","fileType":"image","_id":"6874c7c222842b1f3d450e02","_v":0}]

~ %
```


17. Test Coverage and test.

PASS tests/fileService.test.js

File	% Stmts	% Branch	% Funcs	% Lines	Uncovered Line #s
All files	97.29	79.16	100	97.19	
controller	95.23	79.41	100	95.23	
fileController.js	95.23	79.41	100	95.23	63,70-71
models	100	100	100	100	
File.js	100	100	100	100	
service	100	78.57	100	100	
fileServices.js	100	78.57	100	100	45,55,76

Test Suites: 2 passed, 2 total
Tests: 27 passed, 27 total
Snapshots: 0 total
Time: 0.902 s, estimated 1 s
Ran all test suites.

18. MongoDB Collection:

localhost:27017 > dropbox > file-metadata Open MongoDB shell

Documents 5 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#) Explain Reset Find </> Options

ADD DATA EXPORT DATA UPDATE DELETE 100 1 - 5 of 5 ↺ ↻ ⌵ ☰ 🔍 📄 🗑️

Document 1

```
{
  "_id": ObjectId("6874c22c32842b1f3d450e54"),
  "originalName": "Shubham1.txt",
  "filename": "fd4cecd3-c863-44af-ba6e-05348d4c2448.txt",
  "mimetype": "text/plain",
  "size": 384,
  "uploadedDate": "2025-07-14T08:39:08.027+00:00",
  "fileType": "text",
  "__v": 0
}
```

Document 2

```
{
  "_id": ObjectId("6874c35f32842b1f3d450e64"),
  "originalName": "sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-i...",
  "filename": "c04896b5-be08-4281-8b8b-956a3b9c02e2.jpg",
  "mimetype": "image/jpeg",
  "size": 35949,
  "uploadedDate": "2025-07-14T08:44:15.376+00:00",
  "fileType": "image",
  "__v": 0
}
```

Document 3

```
{
  "_id": ObjectId("6874c3d832842b1f3d450e6a"),
  "originalName": "Shubham.txt",
  "filename": "bc341ad4-2fae-4e78-aaf6-230b7b947848.txt",
  "mimetype": "text/plain",
  "size": 384,
  "uploadedDate": "2025-07-14T08:44:15.376+00:00",
  "fileType": "text",
  "__v": 0
}
```

18. Name collision: matched against uuid. Multiple duplicates can exist,

Documents

5

Aggregations

Schema

Indexes

1

Validation

{

originalName:

"sad-frustrated-person-holding-empty-sign-vector-cartoon-stic"

}

Generate query

Explain

Reset

Find

</>

Options >

+ ADD DATA

EXPORT DATA

UPDATE

DELETE

100

1 - 2 of 2

_id: ObjectId('6874c3f232842b1f3d450e6e')

originalName: "sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-i..."

filename: "71f5f254-fd55-4279-b945-76b6faf13b83.jpg"

mimetype: "image/jpeg"

size: 35949

uploadedDate: 2025-07-14T08:46:42.555+00:00

fileType: "image"

__v: 0

2025-07-14T08:46:42.555+00:00

_id: ObjectId('6874c35f32842b1f3d450e64')

originalName: "sad-frustrated-person-holding-empty-sign-vector-cartoon-stick-figure-i..."

filename: "c04896b5-be08-4281-8b8b-956a3b9c02e2.jpg"

mimetype: "image/jpeg"

size: 35949

uploadedDate: 2025-07-14T08:44:15.376+00:00

fileType: "image"

__v: 0