File Uploader Project

## Brief

1. Use Express, Passport, Prisma, and other necessary dependencies.
2. Use Passport to set up session-based authentication. Use the [Prisma session store library](https://github.com/kleydon/prisma-session-store#readme) to persist sessions in the database.
3. Create a form for users to upload files.
4. Use the [multer middleware](https://github.com/expressjs/multer) to implement the file upload functionalities.
5. Users should be able to view the uploaded files’ details such as:

* Name
* Size
* upload time

1. A download button should allow users to download the file.
2. Allow users to create folders they can CRUD.
3. Use a cloud storage service like Cloudinary or Supabase storage to store the uploaded files.
4. The storage service will host the uploaded files while your database will store the file URL.
5. Allow users to share a folder and its content.
6. The generated sharing link should:

* have an expiration date (e.g., 1d, 7d, etc)
* be accessible to anyone, even if they are unauthenticated.

1. The link could be formatted as: <https://yourapp.com/share/c758c495-0705-44c6-8bab-6635fd12cf81>.

## About App

An app that allows users to:

* Create an account.
* Upload files.
* Create folder and upload files into it.
* Download folders and files.
* Share folders or uploaded files with anyone.

## Pages

* **Homepage (Unauthenticated users):** Welcomes users and lets them create an account or log in.
* **Homepage (Authenticated users):** Allow users to
* View uploaded files and created folders
* Upload new files
* Create new folders
* Log out
* **Sign up:** Allow users to create a new account.
* First name
* Lastname
* Email (unique)
* Password
* **Log in:** Allow users to log in to their account.
* Email
* Password

## Database

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| users | | | | |
| id | first\_name | last\_name | email | password |
| 1 | Oluwatobi | Sofela | contact@codesweetly.com | test |
| 2 | Sarah | Precious | sp@example.com | example |
| 3 | Dav | Emma | de@sample.com | sample |

|  |  |  |
| --- | --- | --- |
| Folders | | |
| id | folder\_name | updated\_time |
| 1 | Flowers | 2024-10-22 |
| 2 | Office Jokes | 2024-10-24 |
| 3 | Articles | 2024-10-28 |

|  |  |  |  |
| --- | --- | --- | --- |
| Files | | | |
| id | file\_data | updated\_time | in-folder |
| 1 | object | 2024-10-22 | true |
| 2 | object | 2024-10-22 | false |
| 3 | Object | 2024-10-25 | true |

|  |  |  |
| --- | --- | --- |
| user\_folder | | |
| id | user\_id | folder\_id |
| 1 | 3 | 1 |
| 2 | 1 | 3 |
| 3 | 2 | 2 |

|  |  |  |
| --- | --- | --- |
| user\_file | | |
| id | user\_id | file\_id |
| 1 | 2 | 2 |
| 2 | 3 | 3 |
| 3 | 2 | 1 |

|  |  |  |
| --- | --- | --- |
| folder\_file | | |
| id | folder\_id | file\_id |
| 1 | 2 | 1 |
| 2 | 1 | 3 |
| 3 | 1 | 2 |