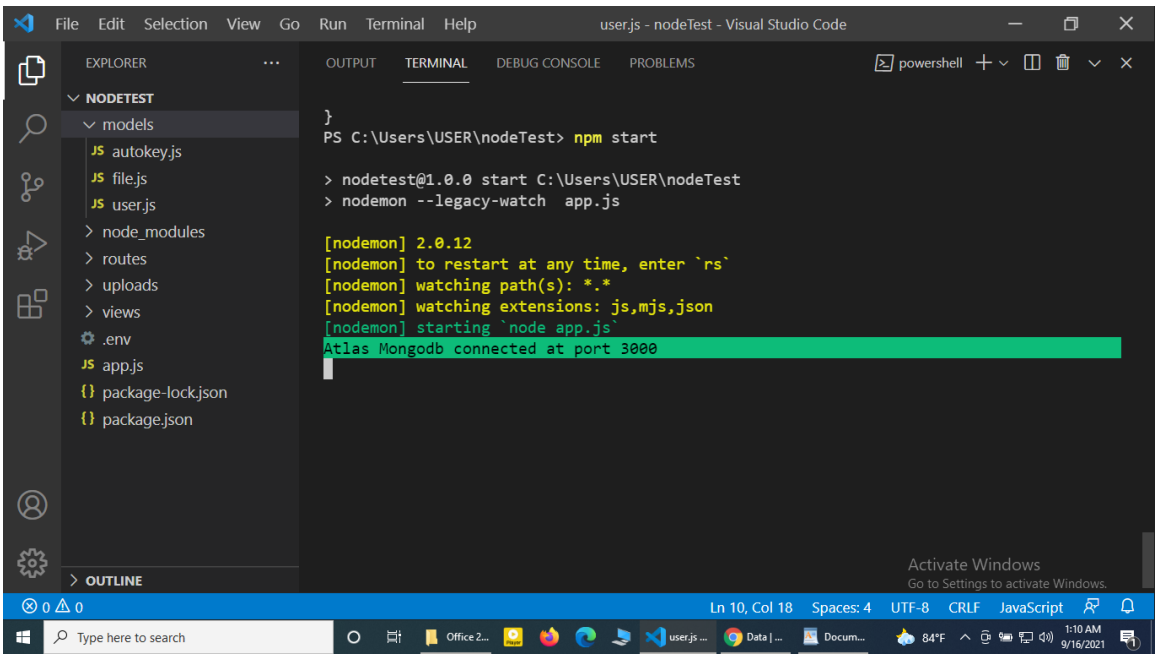
PROJECT TEST INSTRUCTIONS

While working on it, I thought it will be a good idea to make a detailed instruction. So I took screen shots of different parts of execution and elaborated the steps.

This file consists of screenshots of the file system application, and logs of VS code console and mogodb

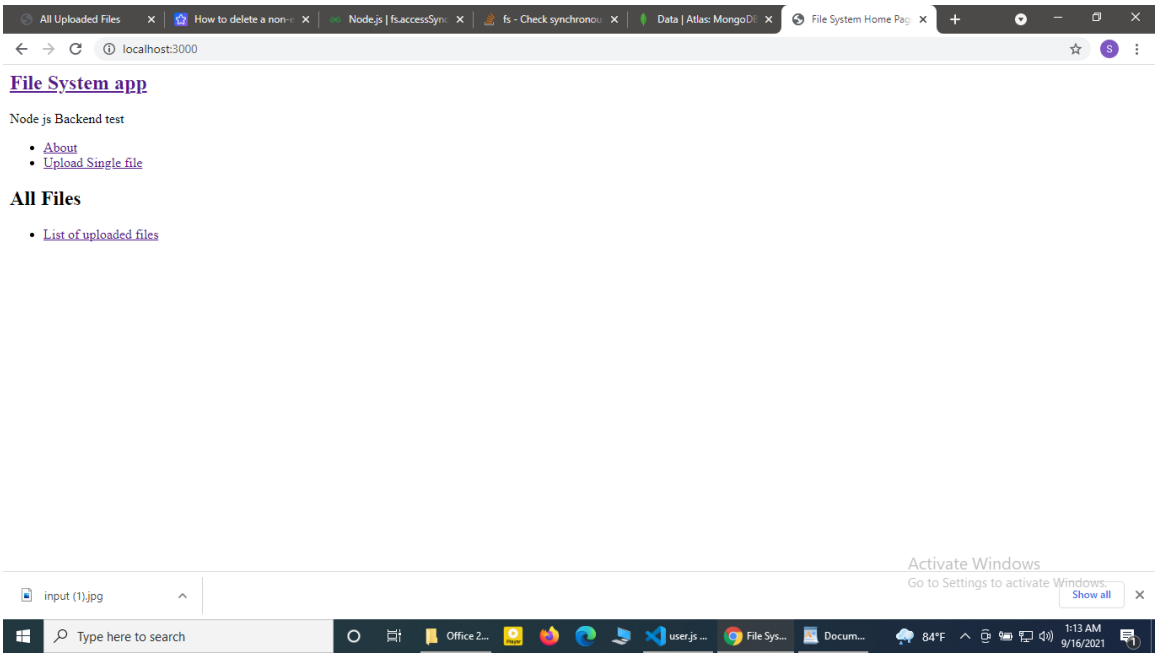
1) To start running the app using npm start



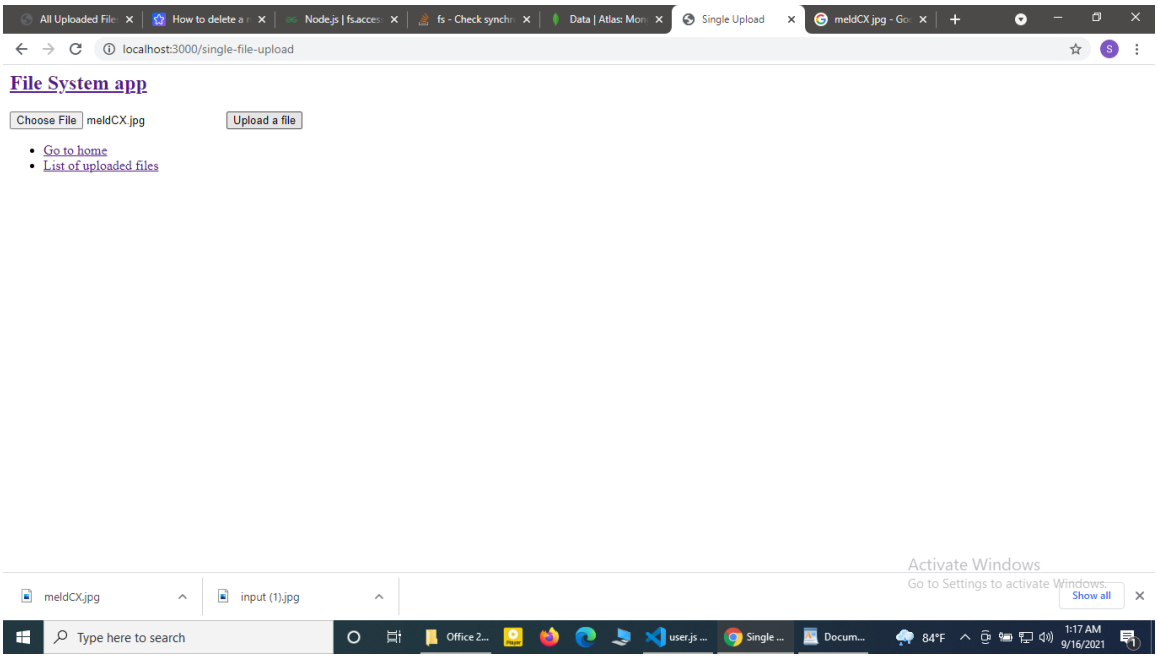
2) Now I will try to run the application as client from google chrome at localhost:3000

This is the home page of the application. It has 3 links:

- About
- Upload a single file
- List of uploaded files

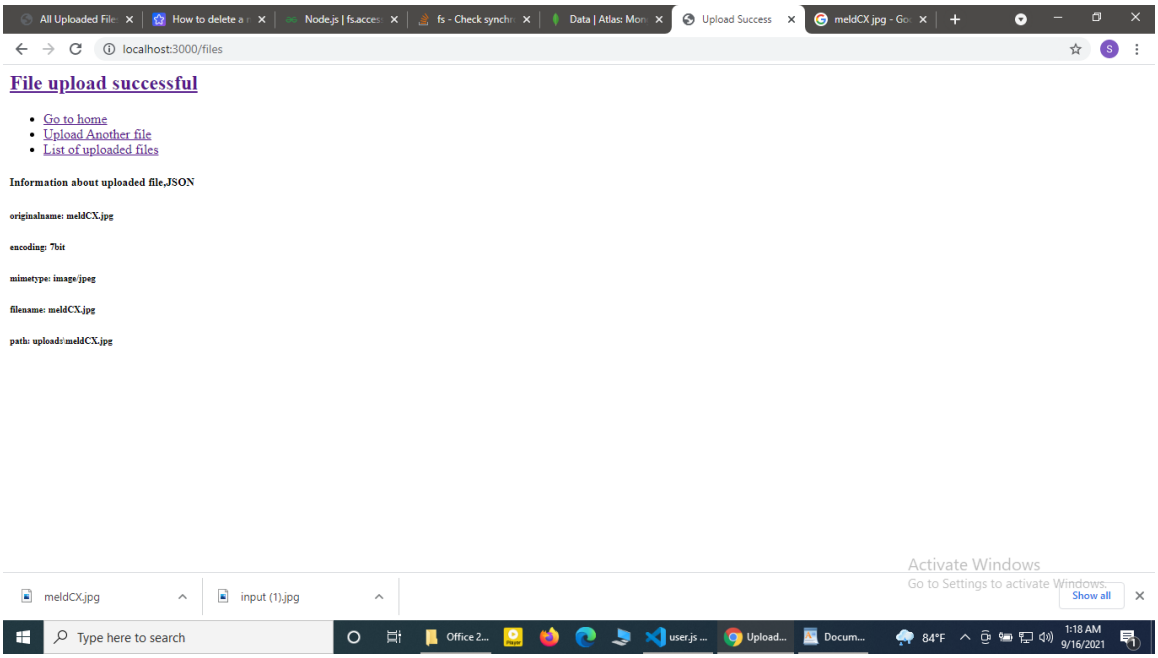


3) Now I will be uploading a file to this app by going to the link "Upload Single File". Here I select a jpg and hit the upload file button.

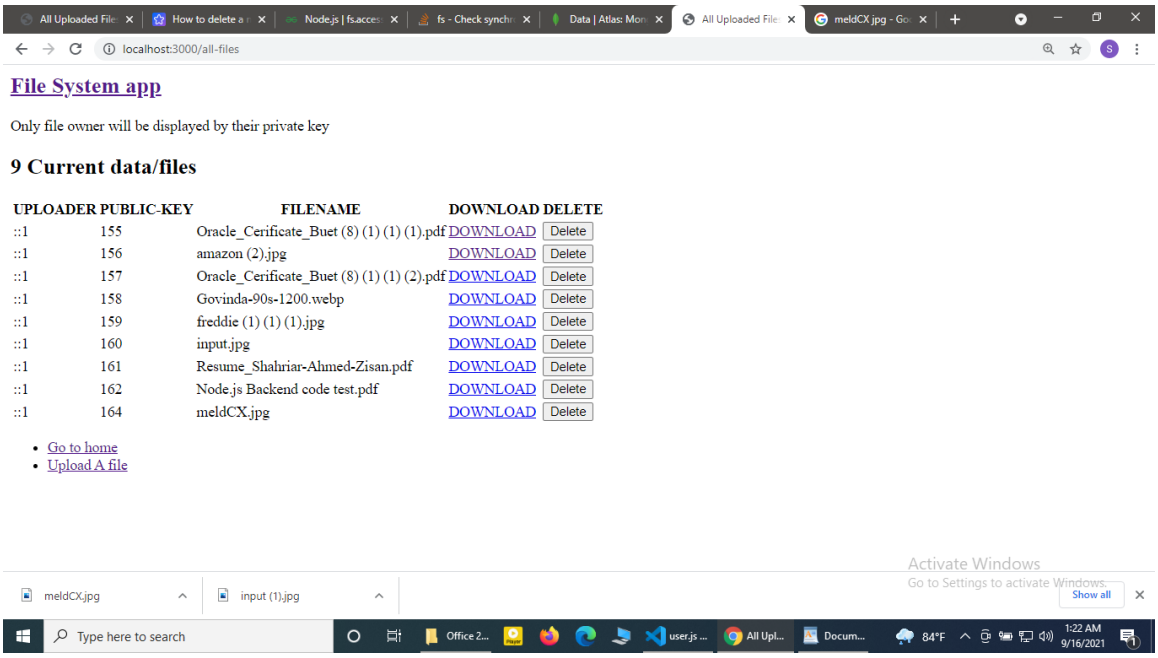


As shown below, the meldCX.jpg has been successfully uploaded, the page renders the information of the file as json object and some navigation links,

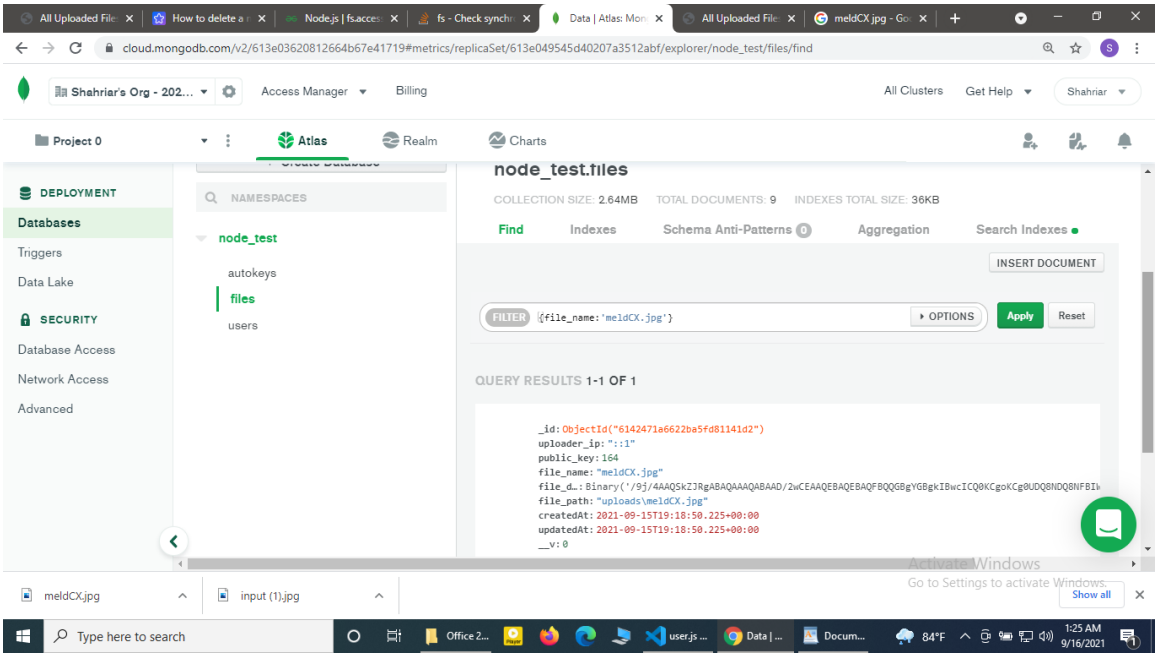
4) Now I will go to "List of uploaded files" link to see all the files stored in the database



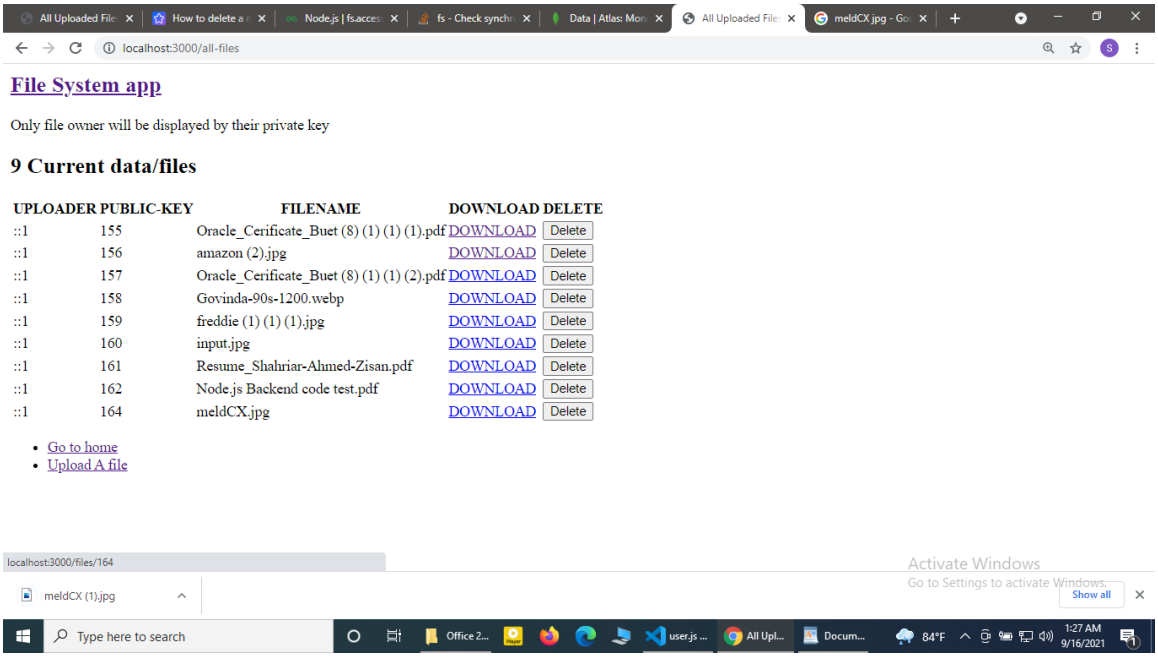
Our meldCX.jpg file has been uploaded to the database and it's also showing all the files which were previously uploaded



MONGODB screenshot, showing the file was successfully uploaded in collection "files"

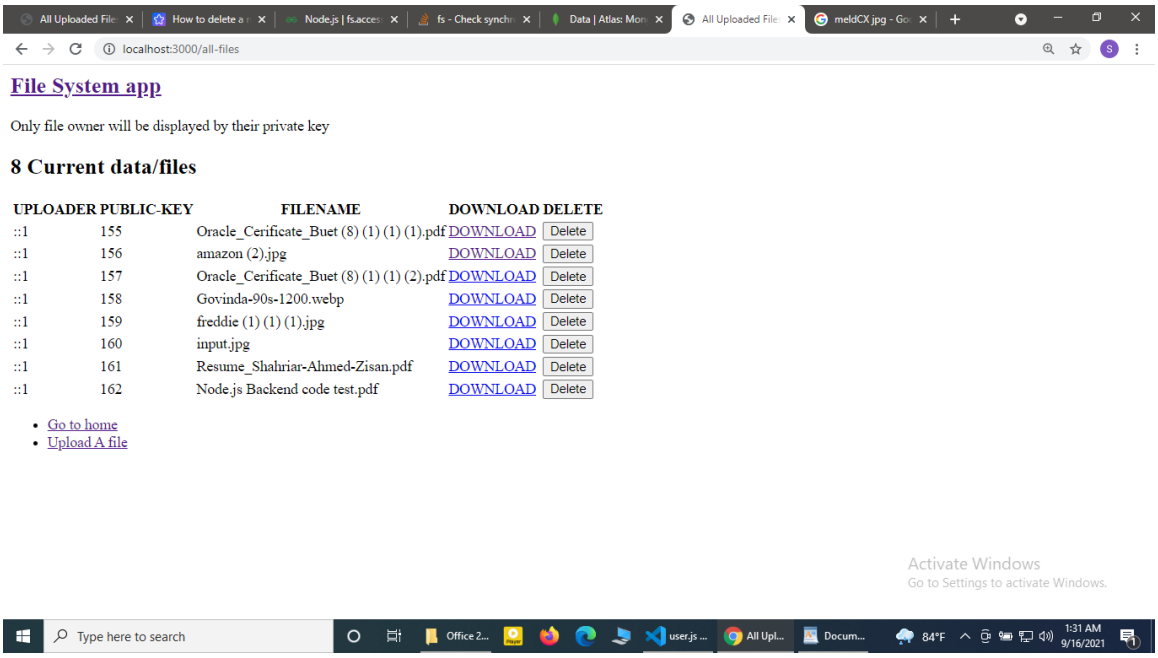


5) Now let’s try to download the meldCX.jpg file. We need to click the DOWNLOAD link

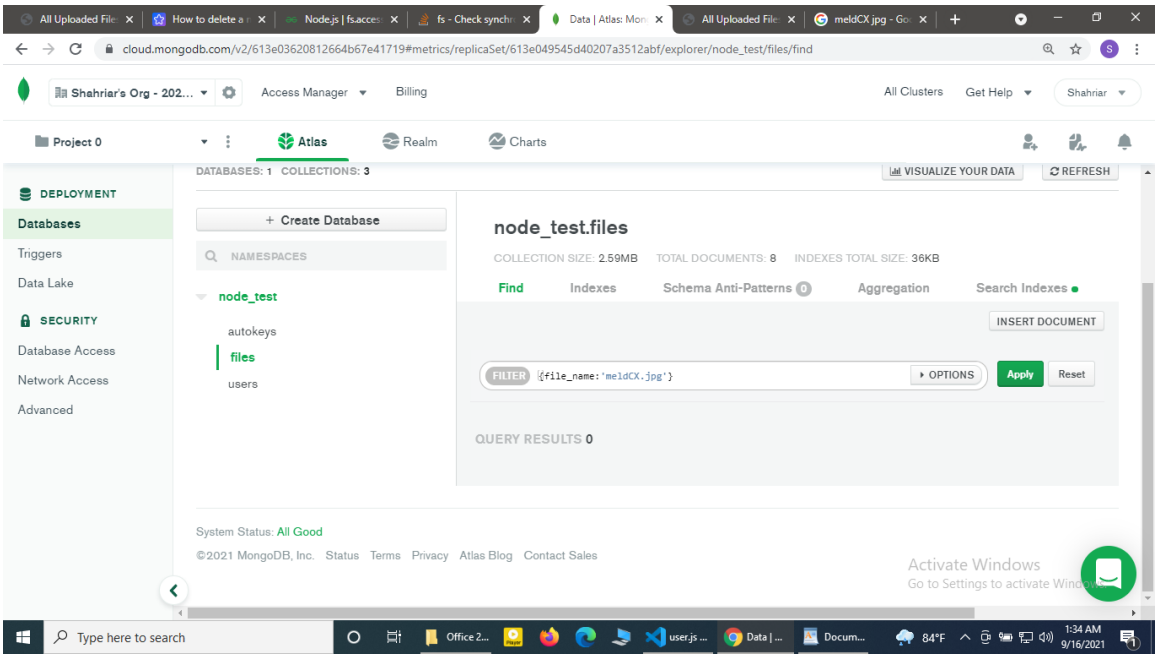


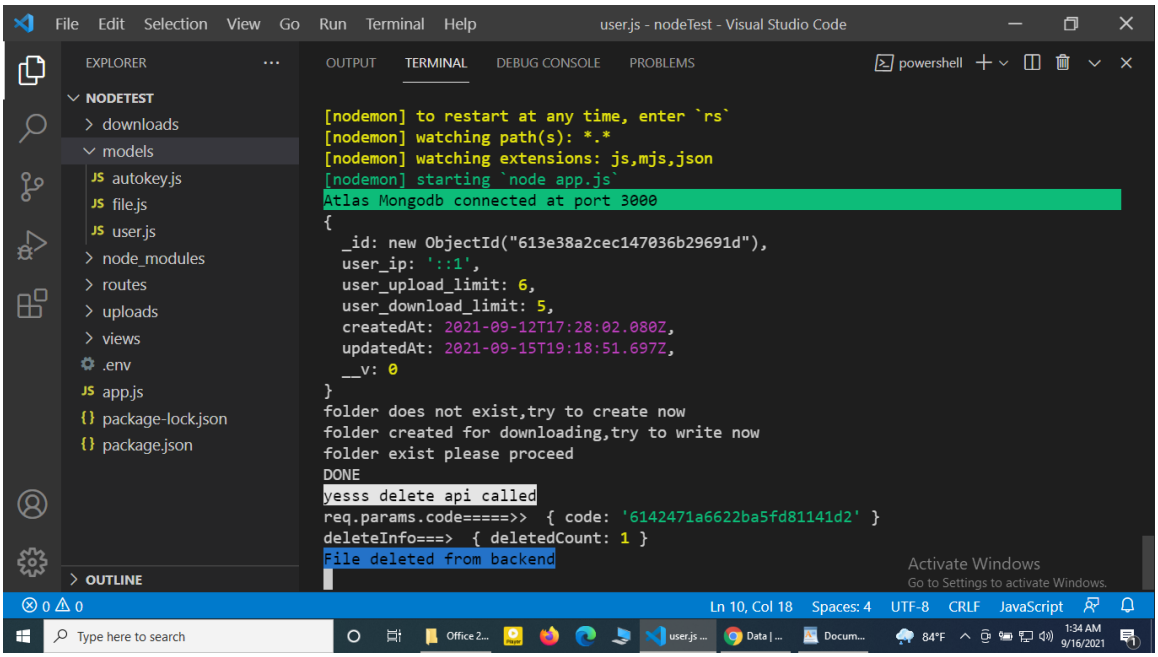
Notice that meldCX has been downloaded and OS has confirmed the download

6) Now I will be deleting "meldCX.jpg", for that I need to click the DELETE button.



Note that "meldCX.jpg" has been deleted. For confirmation, I have provided the mongoDB screenshot and VSCODE console.log





Some notes to consider:

- I could not manage the feature to reset "daily upload and download" for lack of time. But It could be easily done by writing a mongodb scheduled function by some sort of cron to reset the schema field ‘user_download_limit’ and ‘user_upload_limit’ after some predefined time or interval.
- Another key feature is "clean internal storage". It has been implemented but it will execute if we uncomment the line from which it is calling the async function runMyCron().The cron regex is hardcoded for now and if modification is required, I could use the regex as an environment variable to set interval for internal storage.

Thanks,

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