

Exp 7 Implementation of Storage as a service using Dropbox APIs

12/08/24


Aim:

To implement Storage as a service using Dropbox APIs .

Procedure:


DROPBOX API STEPS:


1. Create an account in dropbox using your google account.

Dropbox🌐

Sign up or log in

We recommend using your **work email**.

 Continue with Google

 Continue with Apple

or


Email

Continue

Welcome to Dropbox, ANBARASAN


What do you think you'll mostly use Dropbox for?

Personal




Edit and share photos and videos.
Save important files.

Work



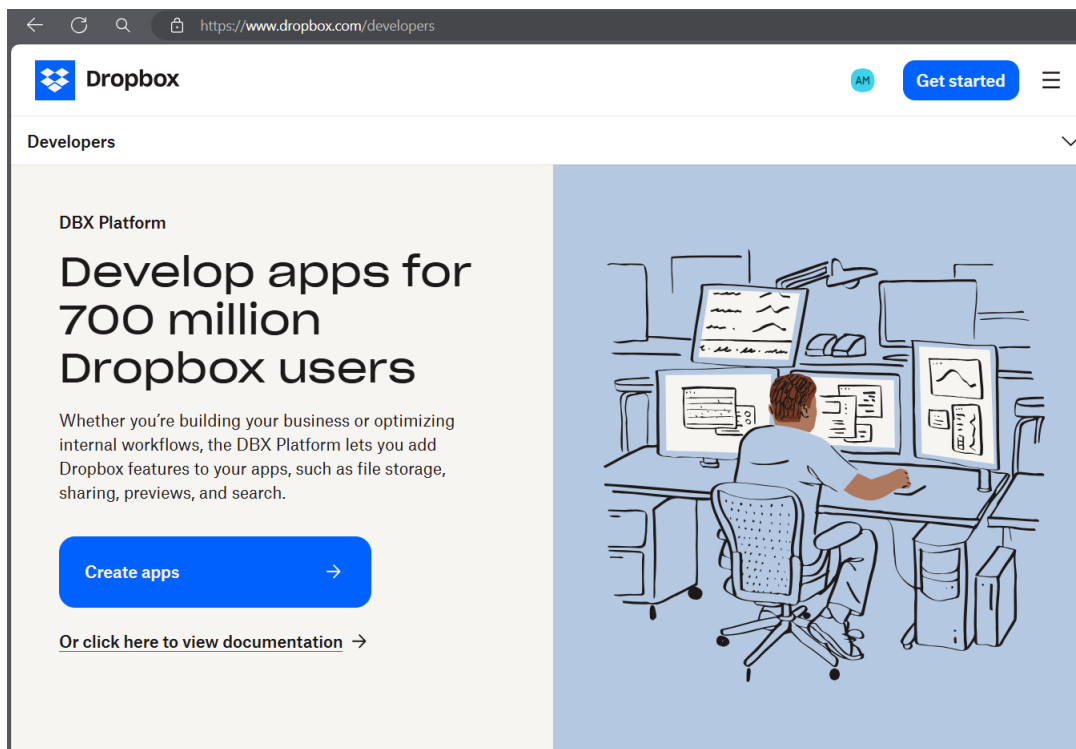
Work with a team or clients.
Sync all your files to one place.

School



Collaborate on group assignments.
Build a work portfolio.

2. After successful registration, go to <https://www.dropbox.com/lp/developers> and Click **Create apps**.



3. In next step, choose an API, type of access you need and give a name for your app and click **Create app**.

Dropbox

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Create a new app on the DBX Platform

1. Choose an API

Scoped access **New**

☐ Select the level of access your app needs to Dropbox data. [Learn more](#)

2. Choose the type of access you need

[Learn more about access types](#)

☐ App folder - Access to a single folder created specifically for your app.

☒ Full Dropbox - Access to all files and folders in a user's Dropbox.

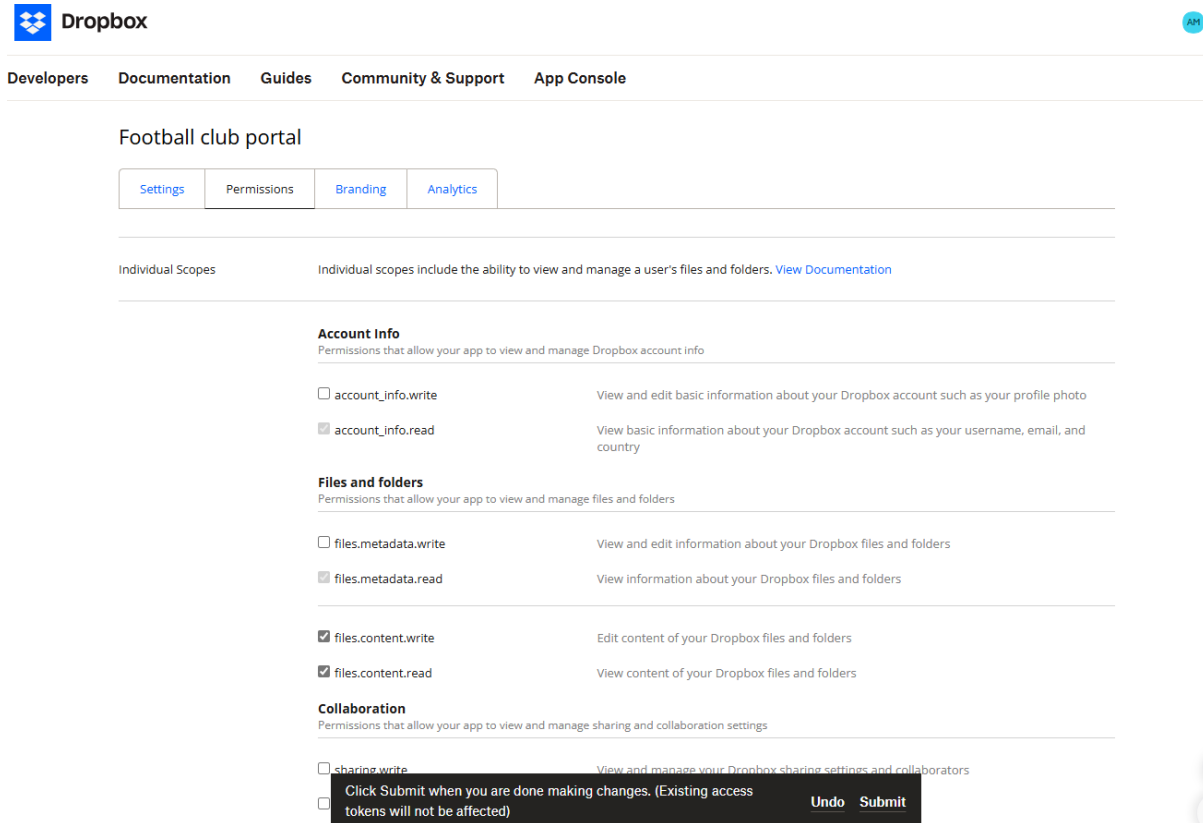
3. Name your app

Football club portal

☒ I agree to [Dropbox API Terms and Conditions](#)

Create app

4. Now go to Permissions tab in your dropbox application and mark tick near *files.content.write* and *files.content.read* and click **Submit** to save the changes.



Dropbox

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Settings Permissions Branding Analytics

Individual Scopes Individual scopes include the ability to view and manage a user's files and folders. [View Documentation](#)

Account Info
Permissions that allow your app to view and manage Dropbox account info

☐ account_info.write View and edit basic information about your Dropbox account such as your profile photo

☒ account_info.read View basic information about your Dropbox account such as your username, email, and country

Files and folders
Permissions that allow your app to view and manage files and folders

☐ files.metadata.write View and edit information about your Dropbox files and folders

☒ files.metadata.read View information about your Dropbox files and folders

☒ files.content.write Edit content of your Dropbox files and folders

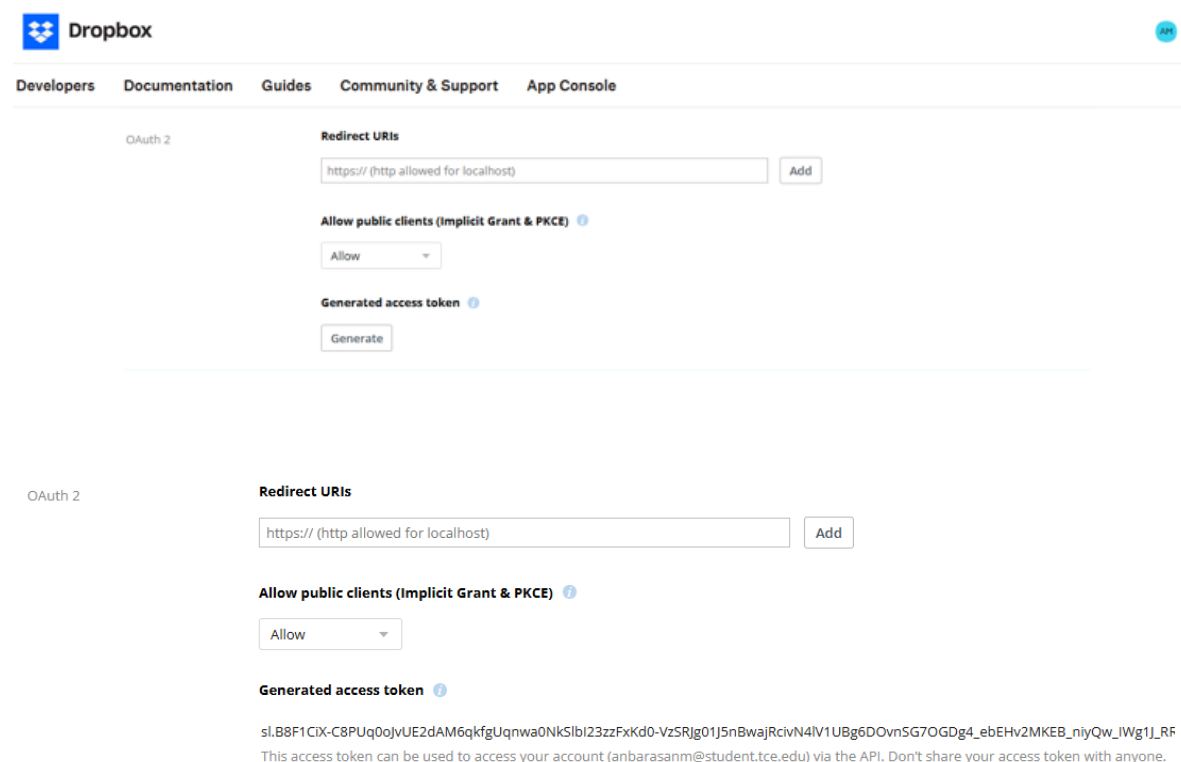
☒ files.content.read View content of your Dropbox files and folders

Collaboration
Permissions that allow your app to view and manage sharing and collaboration settings

☐ sharing.write View and manage your Dropbox sharing settings and collaborators

Click Submit when you are done making changes. (Existing access tokens will not be affected) [Undo](#) [Submit](#)

5. Now come to Settings tab and in OAuth 2 tab, click the **Generate** button for generating access token. Copy the token and include it in your code.



Dropbox

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OAuth 2

Redirect URIs

[Add](#)

Allow public clients (Implicit Grant & PKCE) ⓘ

Generated access token ⓘ

[Generate](#)

sl.B8F1CIX-C8PUq0JvUE2dAM6qkfgUqnwa0NkSbl23zzFxD0-VzSRJg01J5nBwajRcivN4IV1UBg6DOvn5G7OGDg4_ebEHv2MKEB_niyQw_IWg1J_RF

This access token can be used to access your account (anbarasanm@student.tce.edu) via the API. Don't share your access token with anyone.

6. Create a folder for your application and start building it. Use access token generated in code to access your dropbox.

Commands used:

```
PS C:\Cloud\E7\football club portal> npm install

up to date, audited 13 packages in 3s

found 0 vulnerabilities

PS C:\Cloud\E7\football club portal> npm init -y
Wrote to C:\Cloud\E7\football club portal\package.json:

{
  "name": "football-club-portal",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}

PS C:\Cloud\E7\football club portal> npm install express dropbox isomorphic-fetch multer

added 97 packages, and audited 98 packages in 9s

13 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

PS C:\Cloud\E7\football club portal> npm install ejs

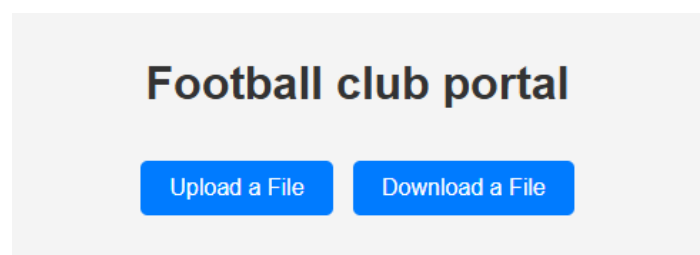
added 16 packages, and audited 114 packages in 4s

15 packages are looking for funding
  run `npm fund` for details

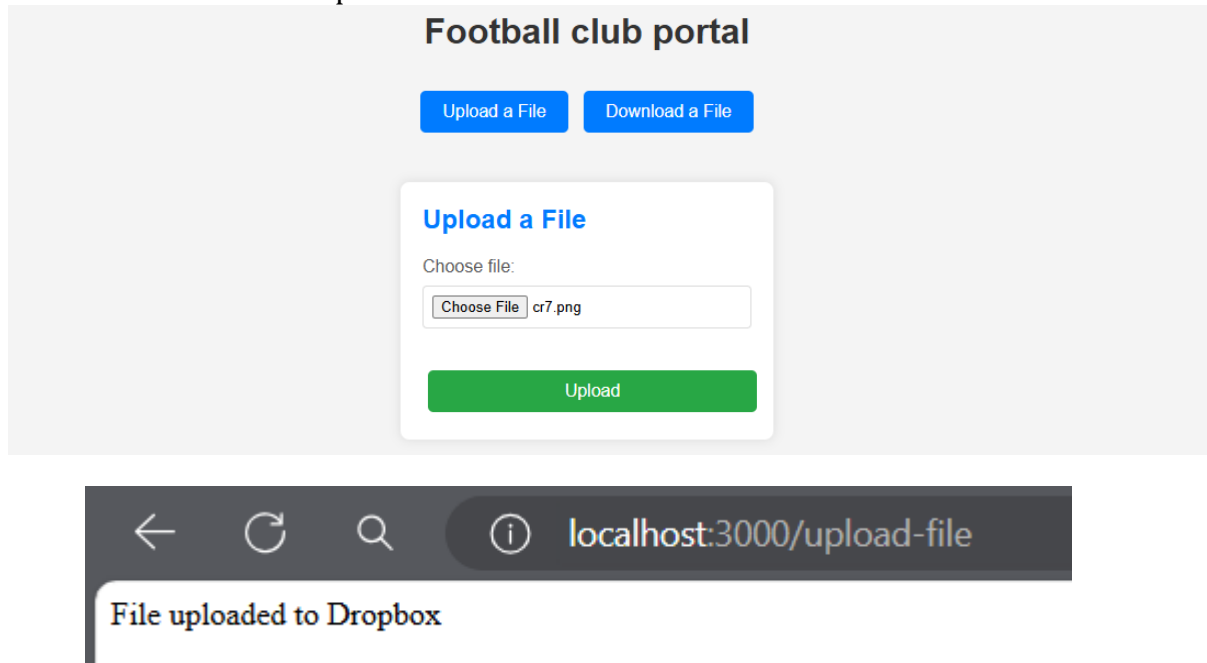
found 0 vulnerabilities

PS C:\Cloud\E7\football club portal> node app.js
Dropbox server is running on port 3000
```

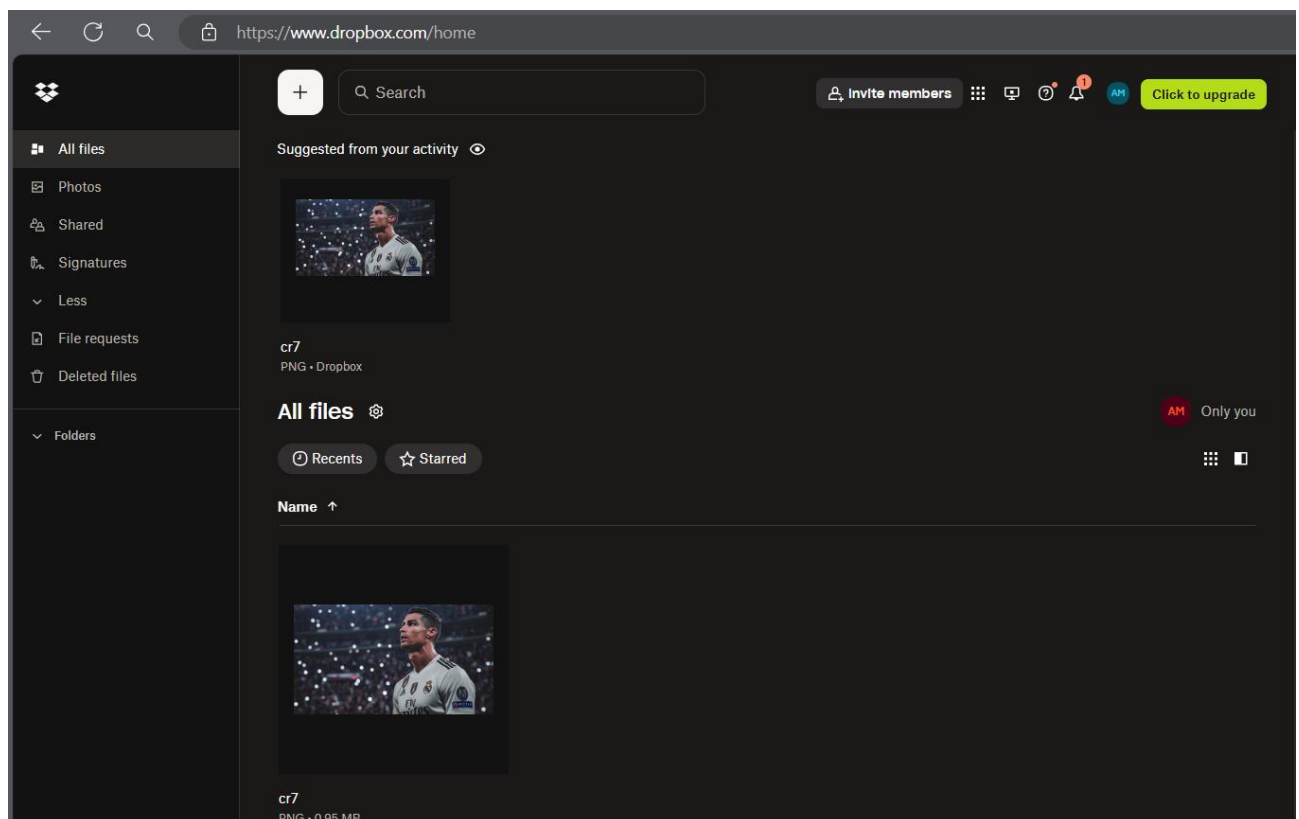
<http://localhost:3000/>



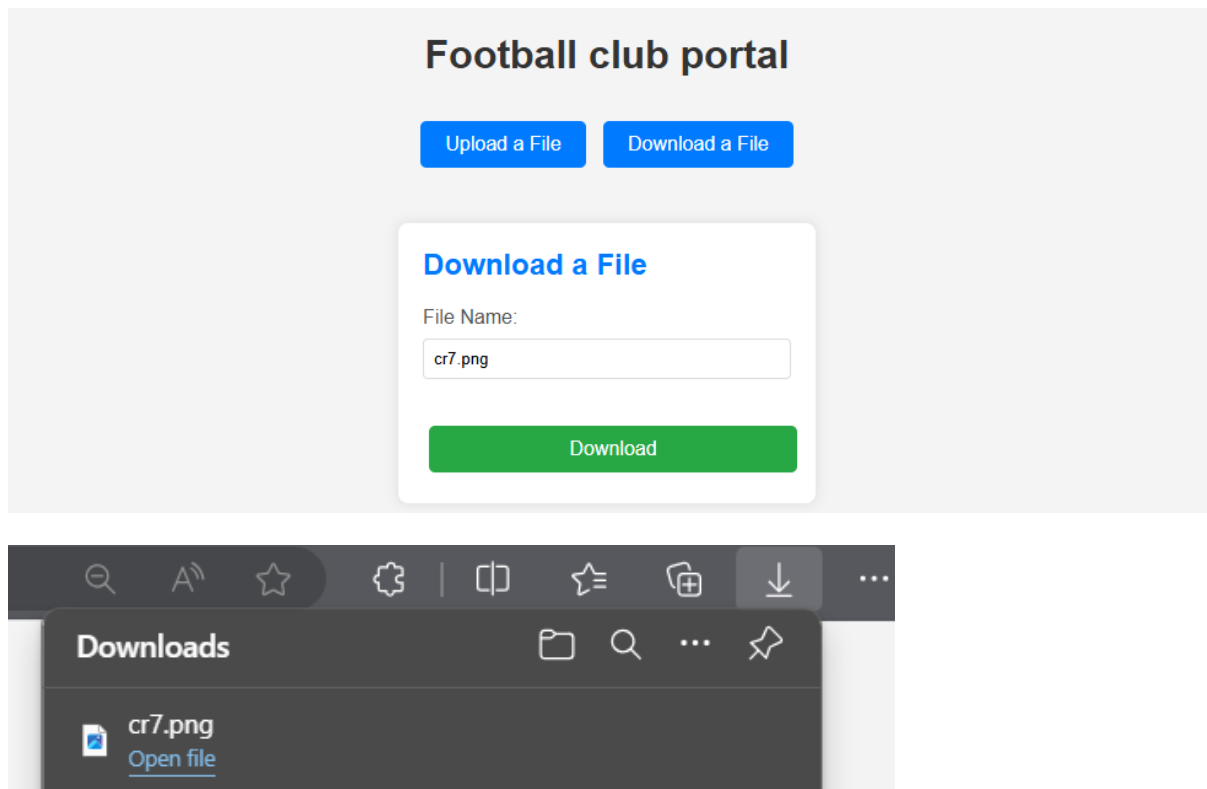
7. Choose a file to upload.



8. The file you uploaded will be reflected in your dropbox portal.



9. Now, download the file you uploaded to dropbox.



The uploaded file have been downloaded successfully.

Result:

Thus, the Implementation of Storage as a service using DropboxAPIs have been done successfully.