Ex no:6 **Implementation of Storage as a service using Dropbox APIs**

Date:

Aim:

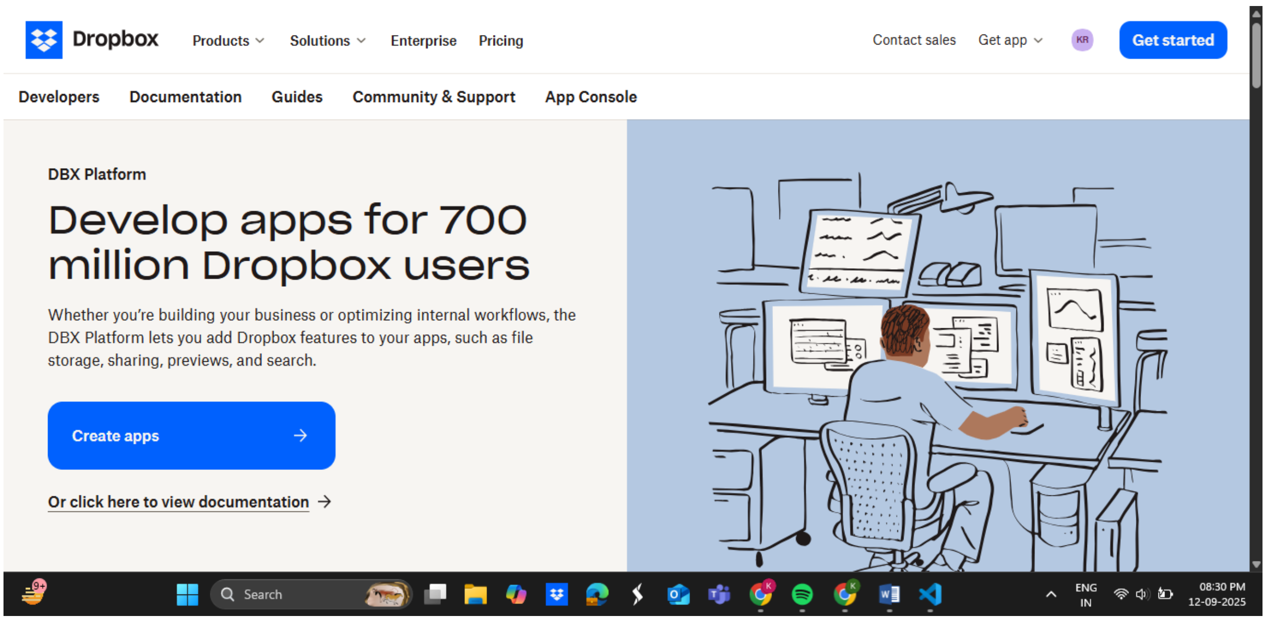
To integrate Storage as a service into application using Dropbox APIs.

Code:

Server.js:

```
require("dotenv").config();
const express = require("express");
const mongoose = require("mongoose");
const cors = require("cors");
const bcrypt = require("bcryptjs");
const multer = require("multer");
const fs = require("fs");
const { Dropbox } = require("dropbox");
const app = express();
app.use(cors());
app.use(express.json());
mongoose.connect("mongodb://127.0.0.1:27017/prepare", {
  useNewUrlParser: true,
  useUnifiedTopology: true,
})
.then(() => console.log(“ MongoDB Connected to 'prepare' database"))
.catch(err => console.error("MongoDB Error:", err));
const dbx = new Dropbox({ accessToken: process.env.DROPBOX_ACCESS_TOKEN });
const upload = multer({ dest: "uploads/" });
const UserSchema = new mongoose.Schema({
  name: String,
  email: { type: String, unique: true },
  password: String});
const User = mongoose.model("User", UserSchema);
const FeedbackSchema = new mongoose.Schema({
  text: { type: String, required: true },
  fileName: { type: String },
  dropboxPath: { type: String },
  createdAt: { type: Date, default: Date.now }});
const Feedback = mongoose.model("Feedback", FeedbackSchema);
app.get("/", (req, res) => {
  res.send("Welcome to Prepare.com API ");
});
app.post("/feedback", upload.single("file"), async (req, res) => {
  try {
    const { text } = req.body;
    if (!text) return res.json({ success: false, message: "Feedback cannot be empty" });
    let fileName = null;
    let dropboxPath = null;
    if (req.file) {
      const fileContent = fs.readFileSync(req.file.path);
      fileName = req.file.originalname;
      dropboxPath = "/feedback_uploads/" + fileName;
      await dbx.filesUpload({
        path: dropboxPath,
        contents: fileContent,
        mode: "overwrite"
      });
      fs.unlinkSync(req.file.path);  }
    const feedback = new Feedback({ text, fileName, dropboxPath });
    await feedback.save();
    res.json({ success: true, message: "Thank you for your feedback!", feedback });
  } catch (err) {
    console.error("Feedback Error:", err);
    res.json({ success: false, message: "Error saving feedback" }); }
});
app.get("/feedbacks", async (req, res) => {
  try {
    const feedbacks = await Feedback.find().sort({ createdAt: -1 });
    res.json({ success: true, feedbacks });
  } catch (err) {
    console.error(" Fetch Feedback Error:", err);
    res.json({ success: false, message: "Error fetching feedbacks" }); }
});
```

Screenshots:



DBX Platform

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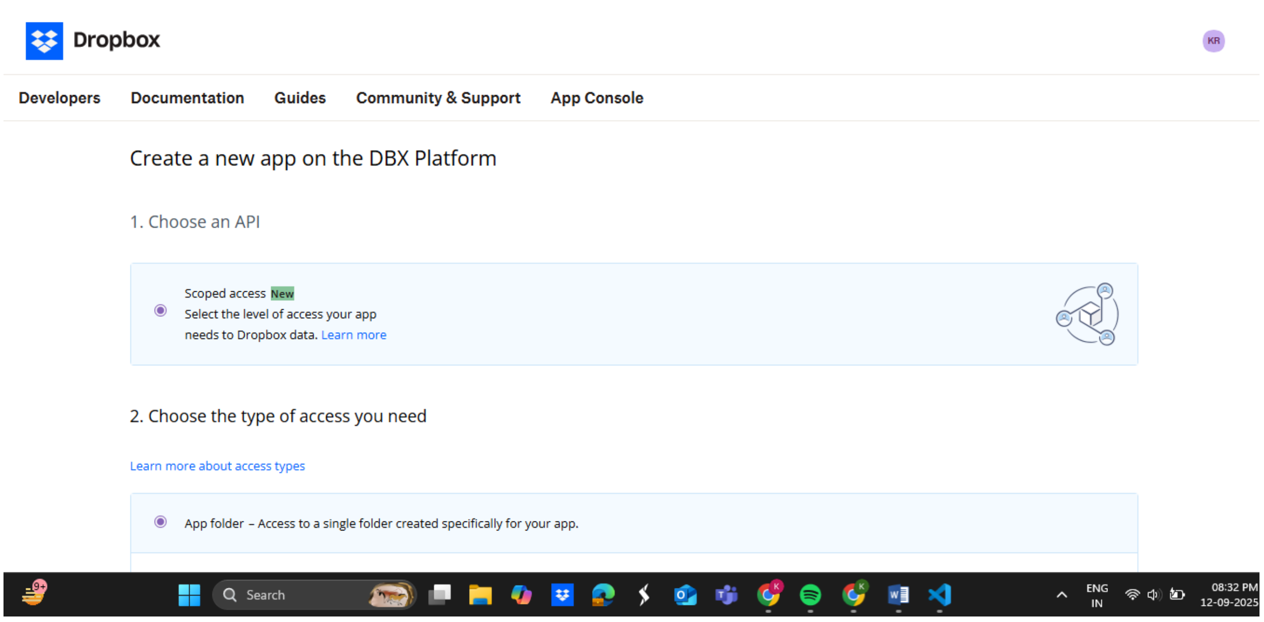

Create a new app on the DBX Platform

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.

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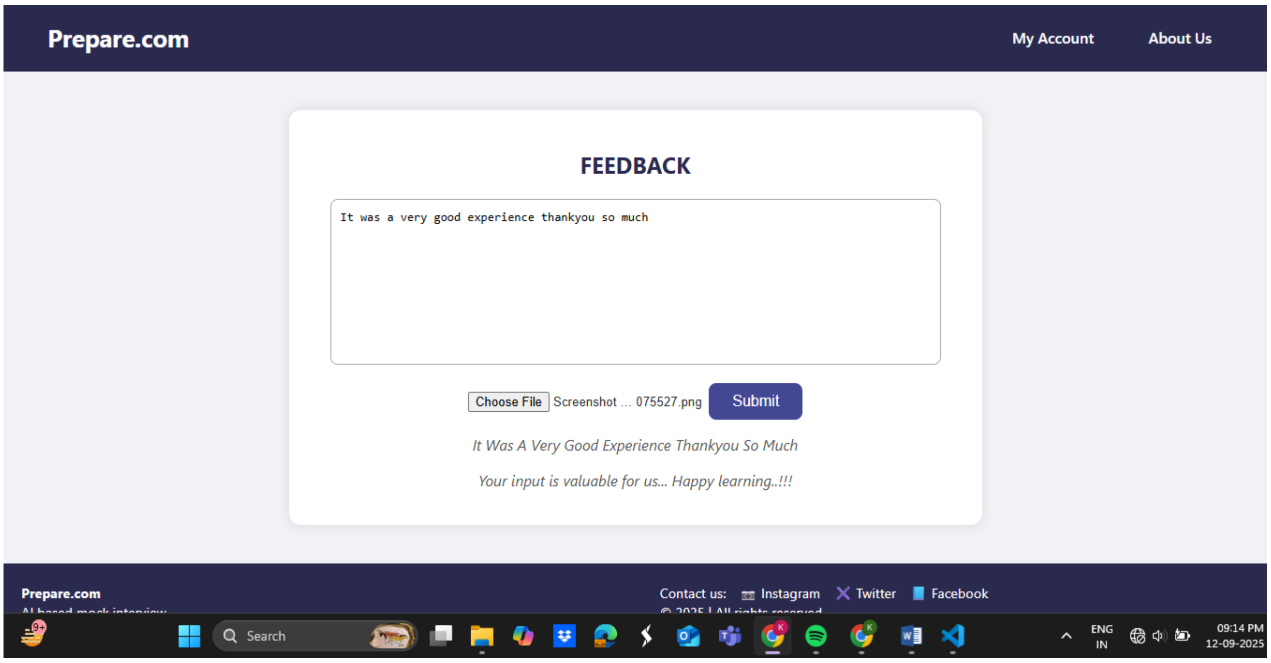

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FEEDBACK

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It was a very good experience thankyou so much
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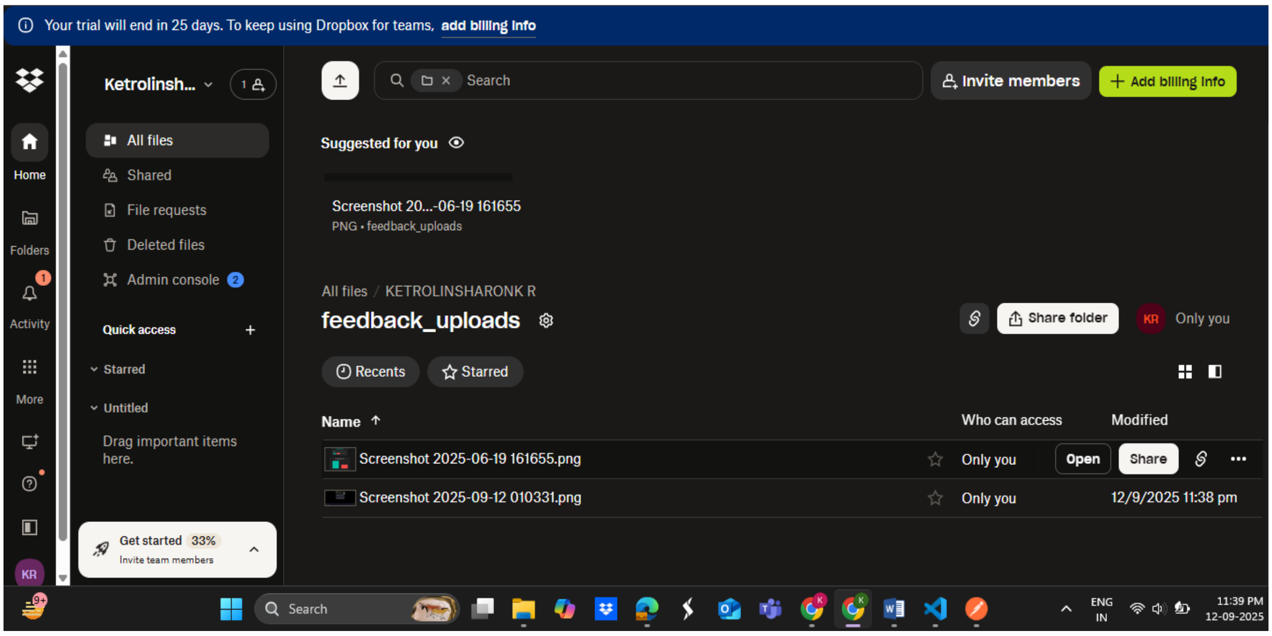
It Was A Very Good Experience Thankyou So Much

Your input is valuable for us... Happy learning..!!!



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Result:

Implementation of Dropbox API in our application was done successfully and the results were verified.