

EasyUploader - File Sharing Website Setup Guide

Step 1: Project Setup

Open your terminal or VS Code and run the following to create your project structure:

```
mkdir easyuploader
cd easyuploader
mkdir backend frontend uploads
```

Step 2: Backend Setup

Navigate to the backend folder and initialize a Node.js project. Then install required packages:

```
cd backend
npm init -y
npm install express multer cors
```

Step 3: Create server.js in backend

Create a file named 'server.js' inside backend and paste this code:

```
const express = require('express');
const multer = require('multer');
const fs = require('fs');
const path = require('path');
const cors = require('cors');

const app = express();
app.use(cors());

const MAX_STORAGE = 30 * 1024 * 1024 * 1024; // 30GB

const storage = multer.diskStorage({
  destination: (req, file, cb) => cb(null, '../uploads'),
  filename: (req, file, cb) => cb(null, Date.now() + '-' + file.originalname)
});

const upload = multer({ storage });

function getUsedStorage() {
  const files = fs.readdirSync('../uploads');
  return files.reduce((total, file) => {
```

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```
    const stats = fs.statSync(path.join('../uploads', file));
    return total + stats.size;
  }, 0);
}

app.post('/upload', upload.single('file'), (req, res) => {
  const used = getUsedStorage();
  const incoming = req.file.size;

  if (used + incoming > MAX_STORAGE) {
    fs.unlinkSync(req.file.path);
    return res.status(400).json({ error: 'Storage limit exceeded (30GB)' });
  }

  const fileUrl = `http://localhost:3000/uploads/${req.file.filename}`;
  res.json({ url: fileUrl });
});

app.use('/uploads', express.static(path.join(__dirname, '../uploads')));

app.listen(3000, () => console.log('Server running at http://localhost:3000'));
```

Step 4: Create Frontend

Inside the frontend folder, create an index.html file with the following code:

```
<!DOCTYPE html>
<html>
<head><title>EasyUploader</title></head>
<body>
  <h2>Upload your file</h2>
  <input type="file" id="fileInput" />
  <button onclick="uploadFile()">Upload</button>
  <p id="result"></p>

  <script>
    function uploadFile() {
      const file = document.getElementById('fileInput').files[0];
      const formData = new FormData();
      formData.append('file', file);
```

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```
fetch('http://localhost:3000/upload', {
  method: 'POST',
  body: formData
})
.then(res => res.json())
.then(data => {
  if (data.url) {
    document.getElementById('result').innerHTML = `
```

Step 5: Run Your Project

To run your project:

```
cd backend
node server.js
```

Then open the index.html file inside the frontend folder in your browser.

You're Done!

You now have a working file upload website with a 30GB storage limit.