

Final Demo Walkthrough

Steps to Create the Project Manually

1. Create the folder structure:

```
file-upload-manager/  
├── uploads/    # Empty folder to store uploaded  
files └── views/  
      | └── index.html  # HTML form  
      └── app.js        # Node.js server  
      └── package.json  # NPM dependencies
```

index.html (in views/)

```
<!-- views/index.html -  
->  
  
<!DOCTYPE html>  
  
<html  
lang="en">  
  
<head>  
  
  <meta charset="UTF-8">  
  
  <title>File Upload  
Manager</title> </head>  
  
<body>  
  
  <h1>Upload a File</h1>  
  
  <form action="/upload" method="POST" enctype="multipart/form-  
data"> <input type="file" name="file" required>  
  
    <button  
type="submit">Upload</button>  
  </form>  
  
  <br>  
  
  <a href="/files">View Uploaded  
Files</a> </body>  
  
</html>
```



```
// app.js

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

const app = express();
const PORT = 3000;

// Set storage engine for multer
const storage = multer.diskStorage({
  destination: function (req, file, cb) {
    const uploadPath = path.join(__dirname,
      'uploads'); if (!fs.existsSync(uploadPath)) {
      fs.mkdirSync(uploadPath);
    }
    cb(null, uploadPath);
  },
  filename: function (req, file, cb) {
    cb(null, `${Date.now()}-${file.originalname}`);
  }
});

const upload = multer({ storage: storage });

// Serve static files
app.use(express.static('views'));
```

```
app.use(/uploads/, express.static(luploads));
```

```
// Upload route
```

```
app.post(/upload/, upload.single(lfile), (req, res) => {
```

```
  if (!req.file) {
```

```
    return res.status(400).send('No file
```

```
    uploaded.');
```

```
  res.send(
```

```
    <p>File uploaded successfully!</p>
```

```
    <a href="/">Upload another file</a><br>
```

```
    <a href="/files">View all files</a>
```

```
  );
```

```
});
```

```
// List all uploaded files
```

```
app.get(/files/, (req, res) => {
```

```
  const uploadDir = path.join(__dirname,
```

```
  luploads); fs.readdir(uploadDir, (err, files) => {
```

```
    if (err) return res.status(500).send('Unable to scan files');
```

```
    let fileLinks = files.map(file => <li><a href="/uploads/${file}">${file}</a></li> ).join('');
```

```
    res.send(
```

```
      <h2>Uploaded Files</h2>
```

```
      <ul>${fileLinks}</ul>
```

```
      <a href="/">Go back</a>
```

```
    );
```

```
  });
```

```
});
```

```
// Start server
```

```
app.listen(PORT, () => {  
  console.log(`File Upload Manager running at  
http://localhost:${PORT}`); });
```

 **package.json**

```
{  
  
  "name": "file-upload-  
manager", "version": "1.0.0",  
  
  "description": "Simple Node.js file upload manager",  
  "main": "app.js"  
  , "scripts": {  
    "start": "node  
app.js" },  
  
  "dependencies": {  
    "express": "^4.18.2",  
    "multer": "^1.4.5-  
its.1"  
  }  
}
```

谓 **Run It**

npm

install

npm start