SCOPE / CSE2015_VL2023240700503 / Node JS - File Upload

Node JS - File Upload

Opened: Tuesday, 25 June 2024, 12:00 AM
Due: Tuesday, 25 June 2024, 11:50 PM

Create a Node JS program for uploading file.

Sample Code attached.

Check if you can restrict the uploaded files to be of only image type.
    upload.js   25 June 2024, 3:06 PM

```javascript
const http = require('http');
const formidable = require('formidable');
const fs = require('fs');
const path = require('path');

http.createServer((req, res) => {
  if (req.url === '/fileupload' && req.method.toLowerCase() === 'post') {
    const form = new formidable.IncomingForm();

    form.parse(req, (err, fields, files) => {
      if (err) {
        res.writeHead(500, {'Content-Type': 'text/plain'});
        res.end('Error occurred during file upload');
        return;
      }

      const file = files.filetoupload;

      // Ensure the uploaded file is an image
      const allowedTypes = ['image/jpeg', 'image/png', 'image/gif'];
      if (!allowedTypes.includes(file.mimetype)) {
        res.writeHead(400, {'Content-Type': 'text/plain'});
        res.end('Only image files are allowed!');
        return;
      }

      const oldpath = file.filepath;
      const newpath = path.join(__dirname, 'upload', file.originalFilename);

      fs.rename(oldpath, newpath, (err) => {
        if (err) {
          res.writeHead(500, {'Content-Type': 'text/plain'});
          res.end('Error occurred while moving the file');
```

```
        return;
      }
      res.writeHead(200, {'Content-Type': 'text/plain'});
      res.end('File uploaded and moved!');
    });
  });
} else {
  res.writeHead(200, {'Content-Type': 'text/html'});
  res.write('<form action="fileupload" method="post"
enctype="multipart/form-data">');
  res.write('<input type="file" name="filetoupload"><br>');
  res.write('<input type="submit">');
  res.write('</form>');
  res.end();
}
}).listen(3000, () => {
  console.log('Server is listening on port 3000');
});
```
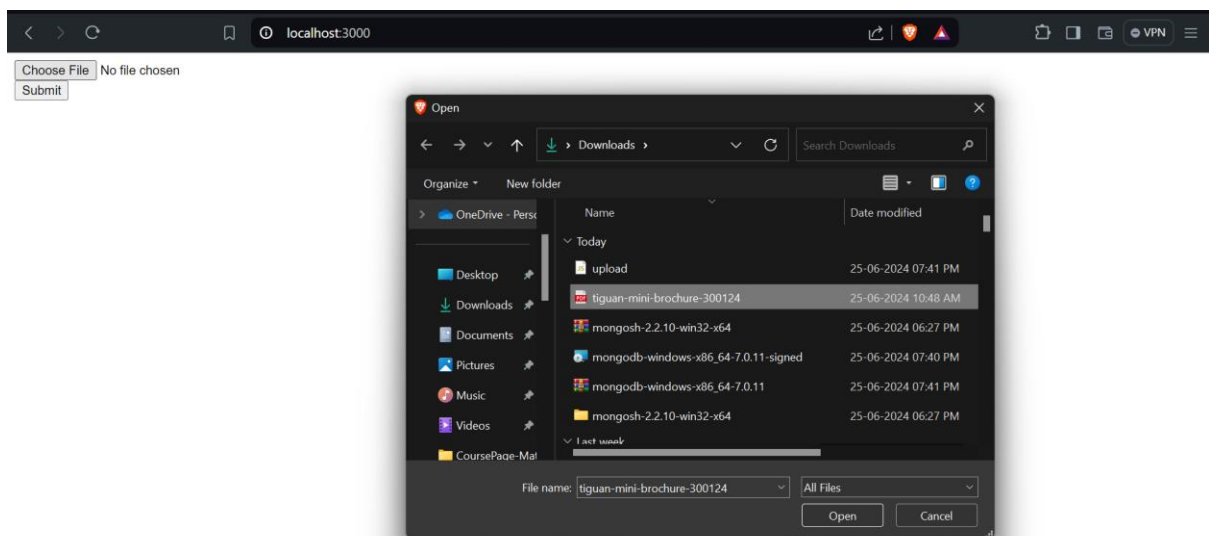
Screenshots

```
Only image files are allowed!
```