Assignment 3a – 33122 Yash Dhavale

Problem Statement: Create a node.js application to serve a static web site

Output:

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          Js 3.js
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                   const http = require('http');
const url = require('url');
const fs = require('fs');
const path = require('path');
                    // Port on which the server will create
const PORT = 1800;
                    // Maps file extension to MIME types which
                    // helps the browser to understand what to
                    // nelps the browser to u
// do with the file
const mimeType = {
'.ico': 'image/x-icon',
'.html': 'text/html',
'.js': 'text/javascript',
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  '.json': 'application/json',
'.css': 'text/css',
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                    '.png': 'image/png',
'.jpg': 'image/jpeg',
                     '.wav': 'audio/wav',
                    '.mp3': 'audio/mpeg',
'.svg': 'image/svg+xml',
'.pdf': 'application/pdf',
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                     '.doc': 'application/msword',
'.eot': 'application/vnd.ms-fontobject',
                    '.ttf': 'application/font-sfnt'
                    // Creating a server and listening the port 5000
```

Javascript(Node) code screenshot 1

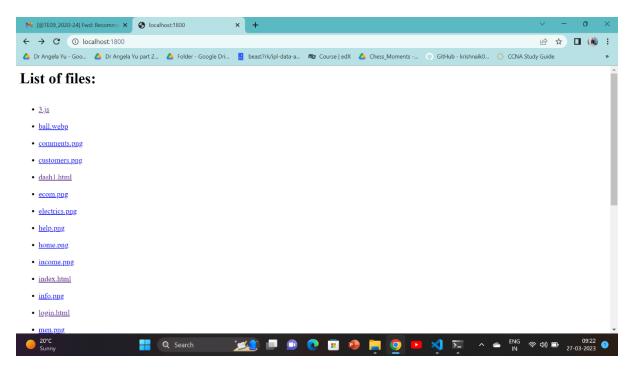
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          C: > Users > YashD > OneDrive > Documents > Yash_TE_Work > WADL > Asgn1 > J5 3.js > ♦ http.createServer() callback
                   http.createServer( (req, res) => {
                        const parsedUrl = url.parse(req.url);
                       // If requested url is "/" like "http://localhost:5000/"
                      // IT requested unl is '7' like 'http://loca
if(parsedUrl.pathname==="/") {
var filesLinke"(ul)";
res.setHeader('Content-type', 'text/html');
var filesList=fs.readdirSync("./");
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                        filesList.forEach(element => {
                        if(fs.statSync("./"+element).isFile()) {
   filesLink +=`<br/>cyr/><a href='./${element}'>
  Ö
                             ${element}
</a>;
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                        });
filesLink+="";
                        res.end("<h1>List of files:</h1> " + filesLink);
                   const sanitizePath = path.normalize(parsedUrl.pathname).replace(/^(\.\.[\/\\])+/, '');
                  let pathname = path.join(__dirname, sanitizePath);
if(!fs.existsSync(pathname)) {
                   // If the file is not found, return 404
res.statusCode = 404;
res.end(`File ${pathname} not found!`);
                  // Read file from file system limit to the
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```

Javascript(Node) code screenshot 2

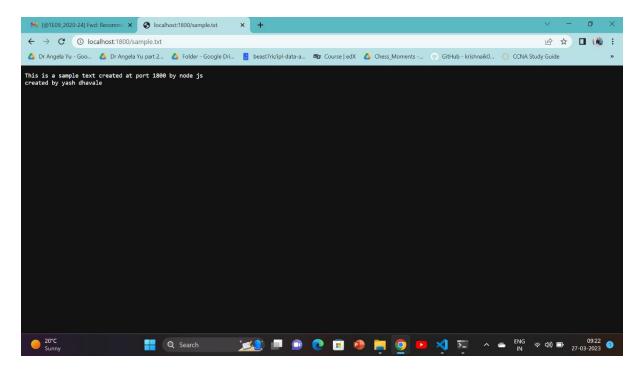
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                       else {
// Read file from file system limit to the
                       // current directory only.
fs.readFile(pathname, function(err, data) {
                       if(err) {
res.statusCode = 500;
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                       res.end(`Error in getting the file.`);
                      }
else {
// Based on the URL path, extract the file
// extension. Ex .js, .doc, ...
const ext = path.parse(pathname).ext;
// If the file is found, set Content-type
// and send data
res.setHeader('Content-type',
  •
                       mimeType[ext] || 'text/plain' );
                       res.end(data);
                       });
                       }).listen(PORT);
                                                                                                                                                                               Ln 48, Col 6 Spaces: 4 UTF-8 CRLF {} JavaScript @ Go Live 🛱 🚨
```

Javascript(Node) code screenshot 3



Output Screenshot 1 – static web site showing all files



Output Screenshot-2 sample.txt displaying content