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|  | BAHRIA UNIVERSITY, (Karachi Campus)  *Department of Software Engineering*  **ASSIGNMENT#02 – Fall 2023** |

Course Title: **Web Engineering** Course Code: **SEN-310**

Class: **BSE-5(B)** Shift: **Morning**

Course Instructor: **Engr. M. Adnan Ur Rehman** Time Allowed:  **01 Week.**

Date: **27-Dec-2023** Max. Marks: **20 Points**

***Note:*** -

* Submit this assignment in a group consist up to 3 members. All members of the group MUST submit.
* All members of the group MUST upload the same solution in LMS.
* You have to submit a compressed containing the following:
  1. ***This title page file*** **.docx** after filling the group names and output of your program
  2. ***Component files*** May include **.html** and **.js** files

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| **GROUP MEMBERS** | | |
| **S.No.** | **Student Name** | **Enrolment#** |
| 01 | Muhammad Shoaib Akhter Qadri | 02-131212-009 |
| 02 | Muhammad Yahya | 79290 (Reg No) |
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***[CLO-3; 20 Points]***

**Task:** Create a website that should return an html document to the client based on requested URL. You may utilize the following NodeJS modules: HTTP, File System, URL

Index.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <h1>Shoaib Akhter</h1>

</body>

</html>

App.js:

const http = require('http');

const fs = require('fs');

const url = require('url');

const server = http.createServer((req, res) => {

  const parsedUrl = url.parse(req.url, true);

  const path = parsedUrl.pathname;

  const filePath = `./public${path}.html`;

  fs.readFile(filePath, 'utf8', (err, data) => {

    if (err) {

      res.writeHead(404, {'Content-Type': 'text/plain'});

      res.end('404 Not Found');

    } else {

      res.writeHead(200, {'Content-Type': 'text/html'});

      res.end(data);

    }

  });

});

const PORT = 3000;

server.listen(PORT, () => {

  console.log(`Server running at http://localhost:${PORT}`);

});

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