Experiment: 1.3

Subject Name: Back-end Technologies

Subject Code: 22CAH-706

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**BRANCH: MCA SECTION/GROUP:** 10(A)

**SEMESTER: 3rd DATE OF PERFORMANCE: 19/9/2023**

**Task to be done:** Create a Signup page and store the inputted data by user in file.

**Registration.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Registration</title>

</head>

<body>

<h1>Sign up</h1>

<form action="/" method="post">

<label for="Username">Username: </label>

<input type="text" name="Username" id="Username">

<label for="Fullname">Full Name: </label>

<input type="text" name="Fullname" id="Fullname">

<label for="Password">Password: </label>

<input type="password" name="Password" id="Password">

<button type="submit">Register me</button>

</form>

</body>

</html>

# Login.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Login page</title>

</head>

<body>

<h1>Login</h1>

<form action="/Login" method="post">

<label for="Username">Username: </label>

<input type="text" name="Username" id="Username">

<label for="Password">Password: </label>

<input type="password" name="Password" id="Password">

<button type="submit">Login Now</button>

</form>

</body>

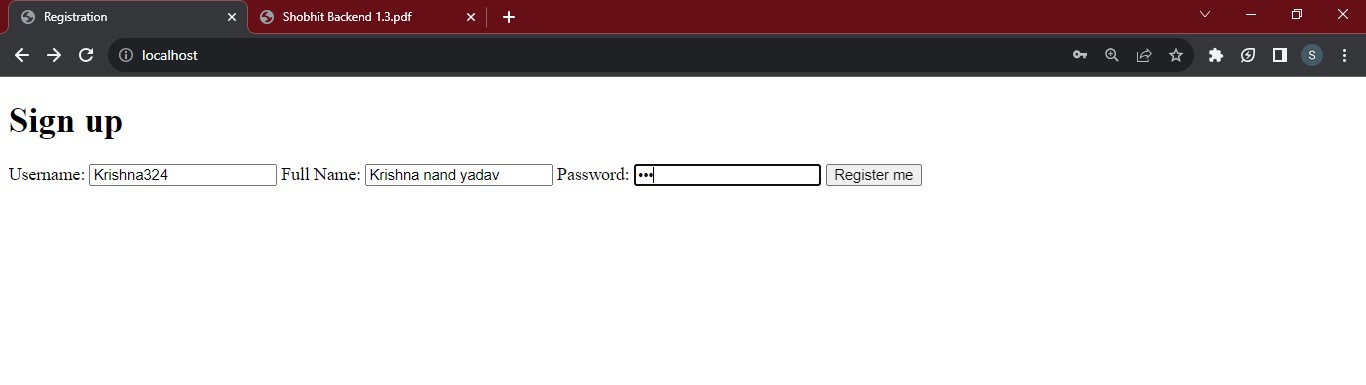
</html>

# Index.js

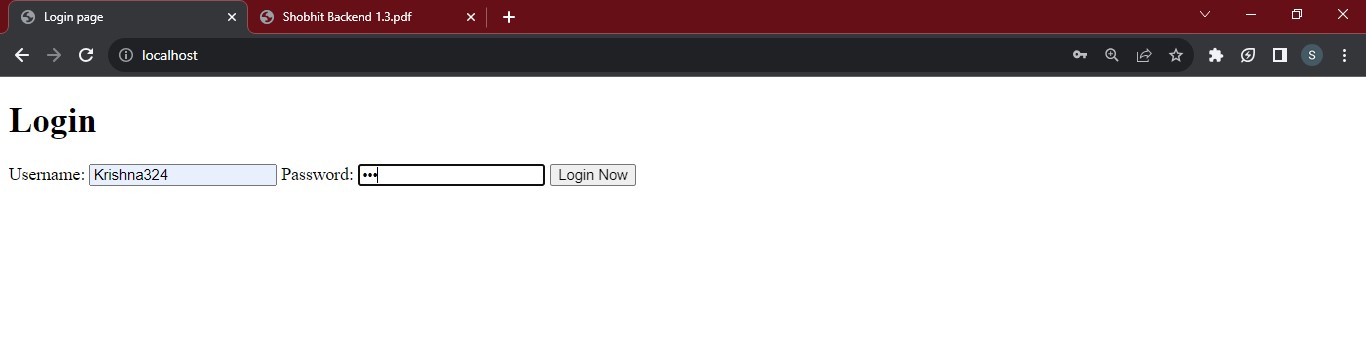
|  |
| --- |
| const express = require("express"); const app = express(); const bodyParser = require("body-parser"); const mongoose = require("mongoose"); const port = 80;  app.use(bodyParser.urlencoded({ extended: true }));  mongoose.connect("mongodb://localhost:27017/RegistrationDB");  const info = { Username: String, Fullname: String, Password: String }; const Information = mongoose.model("Information", info);  app.get("/", (req, res) => { res.sendFile(\_\_dirname + "/Registration.html");  }); app.post("/", (req, res) => { const data = {  Username: req.body.Username,  Password: req.body.Password,  Fullname: req.body.Fullname,  };    // const noOfPersons = [data];  Information.create(data)  .then(() => { console.log("Successfully inserted!"); res.sendFile(\_\_dirname + "/Login.html"); })  .catch((err) => { console.log(err); res.status(500).json({ error: "Error inserting data" });  });  }); |
| app.post("/Login", (req, res) => { const matchData = {  Username: req.body.Username,  Password: req.body.Password,  };    Information.findOne({ Username: matchData.Username })  .then((user) => { if (!user) { res.status(400).json({ error: "User not found" });  } else {  // Check if the provided password matches the stored password if (matchData.Password === user.Password) { res.send("<h1>Successful login!</h1>");  } else { res.status(400).json({ error: "Password doesn't match!" });  }  }  })  .catch((err) => { console.log(err); res.status(500).json({ error: "Error in database query" });  });  }); app.listen(port, () => { console.log("Server is running on port" + port);  }); |

# OUTPUT

**Registration Form:**



**Login Form:**



**Learning outcomes:**

1. Able to create a signup page.
2. Able to read user input and store in file using node.js.
3. Able to enhance my skills with the help of this