

# Internet Technologies

## Practical Assignment 11

Pratham Sharma, AC-1232

Question :

CREATE AN INDEX.HTML FILE CONTAINING TWO FORMS FOR SIGN-IN AND SIGNUP. SUBMITTING SIGN-IN FORM SHOULD SEARCH FOR CREDENTIALS IN MYSQL DATABASE USING SERVER CREATED IN PREVIOUS PRACTICAL. ON SUCCESSFUL SIGNIN, A WELCOME PAGE SHOULD BE DISPLAYED. SUBMITTING SIGNUP FORM SHOULD INSERT NEW ENTRY FOR CREDENTIALS IN MYSQL DATABASE USING SERVER CREATED IN PREVIOUS PRACTICAL. ON SUCCESSFUL SIGNUP, USER SHOULD BE RETURNED BACK TO INDEX.HTML.

Code :

index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <title>Home Page</title>
    <link rel="stylesheet" href="./Styles/index.css" />
    <style>
      .btn {
        padding: 5px 15px;
        margin: 10px;
        background-color: #423f38;

        border-radius: 20px;
        font-size: 15px;
```

```

    }

    .btn:hover {
        opacity: 0.5;
        cursor: pointer;
    }

    .btn > a {
        color: white;
    }
</style>
</head>

<body>
    <div class="container">
        <div class="formContainer">
            <div class="form">
                <div class="formField">
                    <h1 style="text-align: left; font-size: 20px">
                        Move one step towards Practical 11
                    </h1>

                    <button class="btn">
                        <a href="./Forms/signUp.html">Register</a>
                    </button>
                    <button class="btn"><a
href="./Forms/signIn.html">Login</a></button>
                </div>
            </div>
            <div class="image">
                
            </div>
        </div>
        <p id="result"></p>
    </div>
</body>
</html>

```

## Signin.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
        <title>Login</title>
        <link rel="stylesheet" href="../Styles/index.css" />
    </head>
    <body>
        <div class="container">
            <div class="formContainer">
                <div class="form">
                    <div class="formField">
                        <h1 style="text-align: left; font-size: 20px">
                            Move one step towards Practical 11
                        </h1>

                        <button class="btn">
                            <a href="./Forms/signUp.html">Register</a>
                        </button>
                        <button class="btn"><a
href="./Forms/signIn.html">Login</a></button>
                    </div>
                </div>
                <div class="image">
                    
                </div>
            </div>
            <p id="result"></p>
        </div>
    </body>
</html>

```

```

</head>

<body>
  <div class="container">
    <div class="formContainer">
      <div class="form">
        <div class="formField">
          <h1 style="text-align: left; font-size:
20px">Welcome back!</h1>

          <form id="formData">
            <label for="email">Email</label><br />
            <input
              type="email"
              name="email"
              required
              placeholder="Enter your email"
            />
            <br />
            <br />
            <label for="password">Enter Your
Password</label><br />
            <input type="text" name="password" required
/>
            <br /><br />
            <div id="signIn">
              <button
                type="submit"
                style="background-color: #423f38;
width: 50%; color: white"
              >
                SignIn
              </button>
            </div>
            <p>
              New user?
              <span style="color: rgb(134, 38, 134)"
                ><a
href=" ../Forms/signUp.html">Register</a></span
              >
            </p>
            <p id="feedback" style="color: red"></p>
          </form>
        </div>
      </div>
    <div class="image">
      
    </div>
  </div>

```

```

        </div>
    </div>
    <script>
        formData.onSubmit = async (e) => {
            e.preventDefault();

            const formData = document.querySelector("form");
            const Data = new FormData(formData);
            // initialize an empty object
            const formDataObj = {};
            await Data.forEach((value, key) => (formDataObj[key] =
value));

            console.log("Object form data ", formDataObj);
            var response = await
fetch("http://localhost:3000/signIn", {
                method: "POST",
                body: JSON.stringify(formDataObj),
                headers: {
                    "Content-Type": "text/plain",
                },
            });
            console.log(response, response.statusText);
            if (response.statusText == "Found") {
                console.log("Opening welcome page.");
                window.open("../Forms/welcome.html", "_self");
            } else if (response.statusText == "Not Found") {
                document.getElementById("feedback").innerText = "No
user found!";

                setTimeout(() => {
                    document.querySelector("form").reset();
                    document.getElementById("feedback").innerText =
"";

                    }, 2000);
            }

            // now convert js object to json string
        };
    </script>
</body>
</html>

```

## SignUp.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />

```

```
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-
scale=1.0" />
<title>Register</title>
<link rel="stylesheet" href="../Styles/index.css" />
</head>

<body>
  <div class="container">
    <div class="formContainer">
      <div class="form">
        <div class="formField">
          <h1 style="text-align: left; font-size: 20px">
            Welcome to registration desk!
          </h1>

          <form id="formData">
            <label for="name">Name</label><br />
            <input
              type="text"
              name="name"
              required
              min="4"
              placeholder="Enter your name"
            />

            <br />

            <br />
            <label for="email">Email</label><br />
            <input
              type="email"
              name="email"
              required
              placeholder="Enter your email"
            />

            <br />

            <br />

            <label
for="designation">Designation</label><br />
            <select name="designation">
              <option value="Student">Student</option>
              <option
value="Professor">Professor</option>
```

```

                                <option
value="As.Professor">As.Professor</option>

                                <option
value="NonTeachingStaff">NonTeachingStaff</option>
                                </select>
                                <br /><br />
                                <label for="password">Enter Your
Password</label><br />
                                <input type="text" name="password" required
maxlength="10" />

                                <br /><br />

                                <div id="signIn">
                                    <button
                                        type="submit"
                                        style="background-color: #423f38;
width: 50%; color: white"
                                    >
                                        SignUp
                                    </button>
                                </div>
                                <p>
                                    Already a user?
                                    <span style="color: rgb(134, 38, 134)"
                                        ><a
href=" ../Forms/signIn.html">SignIn</a></span>
                                    </p>
                                <p id="feedback" style="color: red"></p>
                                </form>
                            </div>
                        </div>
                        <div class="image">
                            
                        </div>
                    </div>
                </div>
                <script>
                    formData.onSubmit = async (e) => {
                        e.preventDefault();

                        const formData = document.querySelector("form");
                        const Data = new FormData(formData);
                        // initialize an empty object
                        const formDataObj = {};

```

```

        await Data.forEach((value, key) => (formDataObj[key] =
value));
        console.log("Object form data ", formDataObj);
        const response = await
fetch("http://localhost:3000/signUp", {
            method: "POST",
            body: JSON.stringify(formDataObj),
            headers: {
                "Content-Type": "text/plain",
            },
        });
        console.log(response, response.statusText);
        if (response.statusText == "Created") {
            console.log("Opening welcome page.");
            window.open("../index.html", "_self");
        } else {
            document.getElementById("feedback").innerText =
response.statusText;
            setTimeout(() => {
                document.querySelector("form").reset();
                document.getElementById("feedback").innerText =
";
            }, 1500);
        }
        // now convert js object to json string
    };
</script>
</body>
</html>

```

## Welcome.html

```

<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8" />
        <meta http-equiv="X-UA-Compatible" content="IE=edge" />
        <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
        <title>Welcome page</title>
    </head>

    <body>
        
</body>
</html>
```

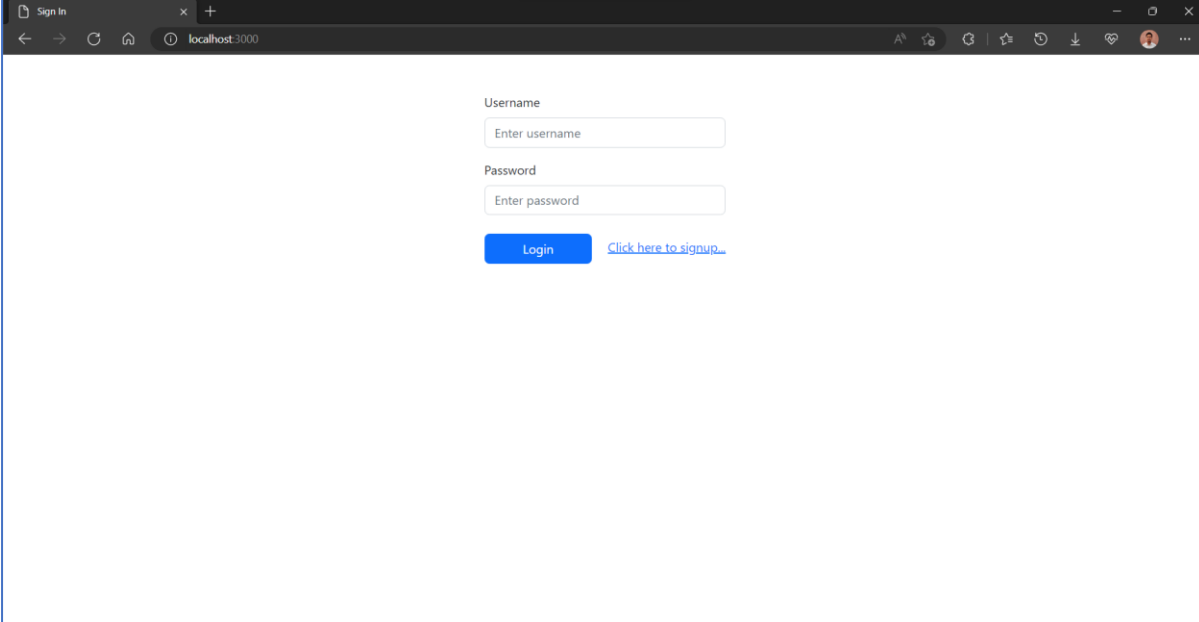
## createDb.js

```
var mysql = require("mysql");

var con = mysql.createConnection({
  user: "root",
  host: "localhost",
  password: "khanbhai",
});

con.connect(function (err) {
  if (err) throw err;
  var database = "create database if not exists itLab11;";
  con.query(database, function (err) {
    if (err) throw err;
    console.log("Database created successfully.");
  });
});
```

## Output



The screenshot shows a web browser window with the address bar displaying "localhost:3000". The page content includes a sign-in form with the following elements:

- A heading "Sign in" at the top left.
- A "Username" label above a text input field with the placeholder text "Enter username".
- A "Password" label above a text input field with the placeholder text "Enter password".
- A blue "Login" button.
- A blue hyperlink labeled "Click here to signup..." located to the right of the "Login" button.



Sign in

localhost:3000

Username

admin

Password

.....

Login

[Click here to signup...](#)

Sign in

localhost:3000/signup

Welcome to dashboard

[Logout](#)