

BackEnd Technology

Student Name: Shubhangi Kumari
UID:22MCA20697

Subject Code:22CAP-706
Section/Group: 3A

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1. Aim/Overview of the practical:

Create Login, Signup page and store input the data by user in a file.

HomePage code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <style>
    button{
      text-decoration: none;
    }
  </style>
</head>
<body>
  <h1> Welcome to Chandigarh University</h1>
  <button>

    <a href="login">Login</a>
  </button>

  <button>
    <a href="SignUp">Registration</a>
  </button>
</body>
</html>
```

Login Page Code:

```
<!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 in Chndigarh University</h1>
</head>
  <body>

  <form action="/login" method="post">
    <div class="container">
      <label for="username"><b>Username</b></label>
      <input type="text" placeholder="Enter Username" name="username" required>
      <br>

      <label for="psw"><b>Password</b></label>
      <input type="password" placeholder="Enter Password" name="psw" required>
      <br>

      <button type="submit">Login</button>
      <label>
        <input type="checkbox" checked="checked" name="remember"> Remember me
      </label>
    </div>

    <div class="container" style="background-color:#f1f1f1">

    </div>
  </form>

</body>
</html>
```

Signup page code:

```
<!DOCTYPE html>
<html>
```

```
<head>
  <title>Signup Page</title>
  <style>
    #signup{
      display: flex;
      justify-content: center;
      padding-top: 30px;
    }
    form{
      text-align: center;
      margin: 2rem;
    }
    input{
      margin: .7rem;
      height: 1.7rem;
      width: 16rem;
    }
    .SignForm{
      border: 2px solid yellowgreen;
      border-radius: 10px;
      width: 500px;
      height: 500px;
    }
    h1{
      text-align: center;
    }

    button{
      height: 2rem;
      width: 16rem;
      border-radius: 1rem;
      border: none;
      font-family: monospace;
      color: red;
      background-color: grey;

    }
    button:hover{
      color: rgb(155, 173, 106);
      background-color: black;
      text-align: center;
      cursor: pointer;
    }
  </style>
</head>

<body>
  <div id="signup">
    <div class="SignForm">
```

```
<h1>Signup</h1>

<form action="/signup" method="post">
  <label for="username">Username:</label>
  <input type="text" id="username" name="username" required><br><br>

  <label for="email">Email Id:</label>
  <input type="email" id="email" name="email" required><br><br>

  <label for="password">Password:</label>
  <input type="password" id="password" name="password" required><br><br>

  <button type="submit">Sign Up</button>

</form>
</div>
</div>
</body>

</html>
```

JS Code:

```
const express = require('express');
const fs = require('fs');
const path = require('path');
const app = express();
const PORT = 3000;

app.use(express.urlencoded({ extended: true }));
app.use(express.static('public'));
const currDir = path.join(__dirname);

app.get('/', (req, res) => {
  res.sendFile(currDir + '/ex3.html');
})

app.get('/signup', (req, res) => {
  res.sendFile(currDir + '/SignUp.html');
});

app.get('/login', (req, res) => {
  res.sendFile(currDir + '/login.html');
});

app.post('/login', (req, res) => {
  res.send(`<h1><center> Congratulations ${req.body.username} </center></h1>`);
});

app.post('/signup', (req, res) => {
```

```
const userData = {
  username: req.body.username,
  email: req.body.email,
  password: req.body.password
};

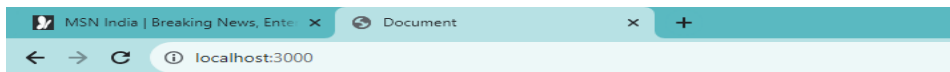
// this is used to Store user data in a text file
fs.appendFile('user_data.txt', JSON.stringify(userData) + '\n', (err) => {
  if (err) throw err;
  console.log('User data stored in the user_data.txt file.');
```

```
});

// res.send('<h1><center>Signup successful!</center></h1>');
res.send(JSON.stringify(userData));
});

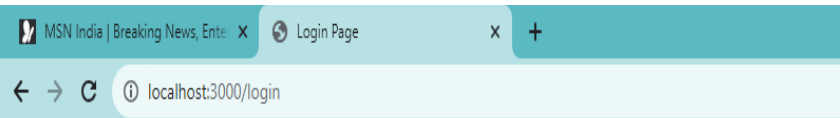
app.listen(PORT, () => {
  console.log(`Server is running on port ${PORT}`);
});
```

Localhost output:



Welcome to Chandigarh University

[Login](#) [Registration](#)



Login in Chndigarh University

Username

Password

☒ Remember me



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Congratulations Shubhangi

Signup Page

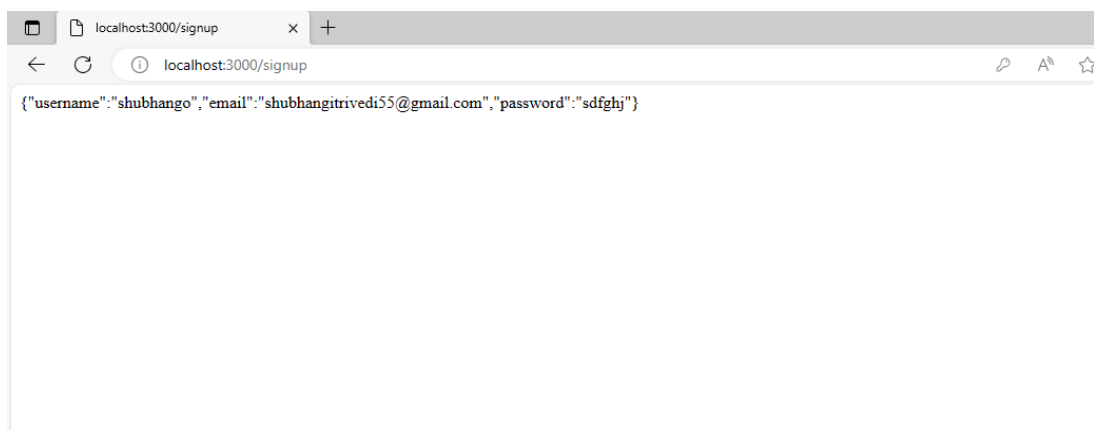
localhost:3000/SignUp

Signup

Username:

Email Id:

Password:





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Learning outcome:

I have learned in this experiment about how to create login and signup page using html, CSS. And run this code on local host using node and Express js.