

SPRINT 1 [REGISTRATION AND LOGIN]

```
<!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">

  <link rel="stylesheet" href="/css/login.css">

  <title>Sign Up</title>

  <script>

    if (window.location.hostname !== "localhost") {

      if (location.protocol !== "https:") {

        location.replace(

          `https:${location.href.substring(

location.protocol.length

)}`

        )

      }

    }

  </script>

  <script src="./localforage.js"></script>

</head>

<body>

  <div class="wrapper">

    <div class="loginContainer">

      <span>Don't have an account?Sign up</span>

      <div class="traditionalLoginContainer">

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

          <input type="text" name="firstName" placeholder="First Name" id="firstName"><br>

          <input type="text" name="lastName" placeholder="Last Name" id="lastName"><br>

          <input type="text" name="username" placeholder="User Name" id="username"><br>
```

```

        <input type="radio">male<br>
        <input type="radio">female<br>
        <input type="email" name="email" placeholder="Email" id="email"><br>
        <input type="password" name="password" placeholder="Password" id="password"><br>
        <input type="phone number" name="phone number" placeholder="Phone number" id="phone
number"><br>
        <input class="loginButton" type="submit" value="Sign Up">
    </form>
</div>

<div class="loginWithFireContainer">

</div>

<a class="hyperLink" href="<"https://appinventor.mit.edu/">Account already exists? Login -></a>
</div>
</div>
<script>

// Necessary for Fire OAuth to Function
const fireBroadcastingChannel = new BroadcastChannel('fireOAuthChannel');
fireBroadcastingChannel.addEventListener('message', async event => {
    let data = event.data
    /**
     * @typedef {Object<string, any>} Data
     * @property {boolean} success - Whether the login was successful
     * @property {string} token - The data returned from the login i.e. Fire Token
     */
    // data.token is the message sent from the fireOAuthChannel after verification
    // data.success is a boolean that indicates whether the verification was successful
    // data.token is the fire token
    // What to do with the Fire Token?
    // * Fire Token is an unique token which uniquely identifies the user who authorized your login attempt
    with Fire
    // * You can use this token ONLY ONCE as it will be destroyed after the first use
    // 1. Send the fire token to the Fire Server to verify the user
    // - You can do that client sided or server sided
    // - You need to send a POST Request to the Fire Server with the fire token

```

```
// at the URL: http://localhost:3003/api/tokens/verify

// - The Fire Server will verify the fire token and return a response

// - If the verification was successful - CODE (200), the Fire Server will return a response with the
user 's data

// - If the verification was unsuccessful - CODE (400) or CODE (401), the Fire Server will return a
response with an error 'message'

// - You can use the data returned from the Fire Server to create a new user in your database

// This example will send the token to Fire Servers and console.log the response

console.log("%c" + `Fire Token: ${data.token}`, `color: #f1c40f; font-weight: bold;`);

const response = await fetch('https://fire.adaptable.app/api/tokens/verify', {

  method: 'POST',

  headers: {

    'Content-Type': 'application/json'

  },

  body: JSON.stringify({

    token: data.token

  })

})

// get the response

const responseData = await response.json()

// console.log the response

console.log(responseData)

await localStorage.setItem('userData', { ...responseData,

  isFire: true

})

// Adding the user data to the user Database

let database = await localStorage.getItem("userDatabase")

if (database == null) {

  database = []

}

database.push(responseData)

await localStorage.setItem("userDatabase", database)

// redirect to the home page

window.location.href = '/'
```

```
}}
```

```
function popupwindow(url, title, w, h) {
```

```
    var left = (screen.width / 2) - (w / 2);
```

```
    var top = (screen.height / 2) - (h / 2);
```

```
    return window.open(url, title, 'toolbar=no, location=no, directories=no, status=no, menubar=no,
```

```
        scrollbars = no, resizable = no, copyhistory = no, width = '+w+', height = '+h+', top = '+top+', left = '+left');
```

```
    }
```

```
    document.getElementById("fire").addEventListener("click", function() {
```

```
        popupwindow("/fireoauth.html", "Fire OAuth", 450, 600)
```

```
    })
```

```
</script>
```

```
<script>
```

```
// this.Website's Scripts / App Logic
```

```
document.querySelector(".signupForm").addEventListener("submit", async (e) => {
```

```
    e.preventDefault()
```

```
    let firstName = document.getElementById("firstName").value
```

```
    let lastName = document.getElementById("lastName").value
```

```
    let username = document.getElementById("username").value
```

```
    let email = document.getElementById("email").value
```

```
    let password = document.getElementById("password").value
```

```
    let profilePic =
```

```
`https://avatars.dicebear.com/api/adventurerneutral/${firstName}${lastName}.svg?backgroundColor=variant01`
```

```
    let data = {
```

```
        firstName,
```

```
        lastName,
```

```
        username,
```

```
        email,
```

```
        password,
```

```
        profilePic
```

```
    }
```

```
    await localforage.setItem("userData", data)
```

```
    let database = await localforage.getItem("userDatabase")
```

```
    if (database == null) {
```

```
        database = []
```

```

    }

    database.push(data)

    await localforage.setItem("userDatabase", database)

    window.location.href = "/"

  })
</script>
</body>

</html>

```

