

PROJECT DEVELOPMENT

PROJECT DELIVERY – SPRINT 1

Date	17 November 2022
Team ID	PNT2022TMID51175
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

REGISTRATION

HTML CODE:

```
<!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, initialscale=1.0">

  <link rel="stylesheet" href="/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>Login to Continue</span>
    <div class="traditionalLoginContainer">
      <form class="signupForm" action="/" method="post">
        <input type="text" name="firstName"
placeholder="First Name" id="firstName">
        <input type="text" name="lastName" placeholder="LastName"
id="lastName">
        <input type="text" name="username"
placeholder="User Name" id="username">
        <input type="email" name="email" placeholder="Email"
id="email">
        <input type="password" name="password"
placeholder="Password" id="password">

<input class="loginButton" type="submit" value="Sign Up">

    </form>

  </div>

  <a class="hyperLink" href="/login">Already have an Account? Login

    ↗ </a> </div>

</div>

<script>

  // Necessary for Fire OAuth to Functionconst

  fireBroadcastingChannel = new

BroadcastChannel('fireOAuthChannel');
fireBroadcastingChannel.addEventListener('message', asyncevent => {

  let data = event.data

  /**

```

```

        * @typedef {Object<string, any>} Data

        * @property {boolean} success - Whether the login was
successful

        * @property {string} token - The data returned from
thelogin i.e. Fire Token

    */

    // data.token is the message sent from the
fireOAuthChannel after verification

    // data.success is a boolean that indicates whether theverification
was successful

    // data.token is the fire token

    // What to do with the Fire Token?

    // * Fire Token is an unique token which uniquely identifiesthe 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 Serverwith the
fire token

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

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

    // - If the verification was successful - CODE (200), the FireServer 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 localforage.setItem('userData', {...responseData, isFire:
true}))
```

```
// Adding the user data to the user Database let database = await
localforage.getItem("userDatabase")if (database
== null) {
  database = []
} database.push(responseData) await
localforage.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").valuelet profilePic =  
`https://avatars.dicebear.com/api/adventurer-  
neutral/${firstName}${lastName}.svg?backgroundColor=variant03`
```

```
let data = { firstName, lastName, username, email, password,profilePic }
```

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

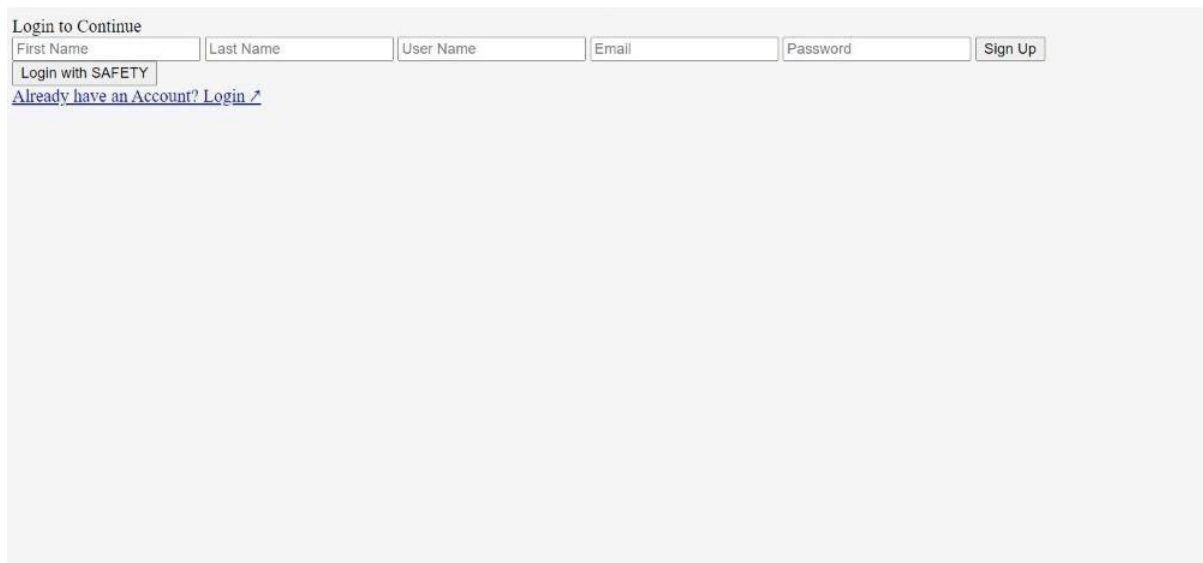
    let database = await localforage.getItem("userDatabase")if (database
    == null) {
        database = []
    } database.push(data) await
    localforage.setItem("userDatabase", database)

    window.location.href = "/"

})

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

OUTPUT:



The screenshot shows a web form titled "Login to Continue". It contains five input fields: "First Name", "Last Name", "User Name", "Email", and "Password". To the right of the "Password" field is a "Sign Up" button. Below the "First Name" field is a button labeled "Login with SAFETY". At the bottom of the form, there is a link that reads "Already have an Account? Login ↗".