

## Project Development Phase SPRINT-1

Date	07 November 2022
Team ID	PNT2022TMID01183
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification

### ✓ REGISTRATION:

#### 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">

  <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>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="Last Name" 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>
<div class="loginWithFireContainer">
    <button type="button" class="fire" title="Login with SAFETY" id="fire">Login with
SAFETY</button>
</div>
<a class="hyperLink" href="/login">Already have an Account? 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;`);
    });

```

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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

```

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

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

    let profilePic = `https://avatars.dicebear.com/api/adventurer-
neutral/${firstName}${lastName}.svg?backgroundColor=variant03`

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

    await localStorage.setItem("userData", data)

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

    if (database == null) {
        database = []
    }

    database.push(data)

    await localStorage.setItem("userDatabase", database)

    window.location.href = "/"

})
</script>
</body>
</html>

```

