

Sprint-1

Team ID	PNT2022TMID05746
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

Login.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</span>
  <div class="traditionalLoginContainer">
    <form class="signupForm" action="/" method="post">
      <input type="email" name="email" placeholder="Email" id="email">
      <input type="password" name="password" placeholder="Password"
id="password">
      <input class="loginButton" type="submit" value="Login">
    </form>
  </div>
  <div class="loginWithFireContainer">
    <button type="button" class="fire" title="Login with Fire" id="fire">Login with
Fire</button>
  </div>
  <a class="hyperLink" href="register.html">Don't have an Account? Register</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 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 email = document.getElementById("email").value

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

 let flag = false

 let userData = await localforage.getItem("userDatabase")

 if(userData) {

 userData.forEach(e => {

 if(e.email === email) {

 if(e.password === password || e.isFire === true) {

 localforage.setItem("userData", e)

 flag = true

 window.location.href = "index.html"

 }

 }

 })

 } else {

 alert("User Not Found")

 }

 if(!flag) {

 alert("Invalid Credentials")

 }

})

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

Register.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>SignUp 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 Fire" id="fire">Login with
Fire</button>
  </div>
  <a class="hyperLink" href="login.html">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
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// data.token is the fire token

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response with the user's data

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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").value
        let 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 = "login.html"
        alert("Registered Successfully.")
    })
</script>
</body>
</html>

```