

SPRINT 1

Date	18.11.2022
Team ID	PNT2022TMID50079
Project Name	IOT Based safety gadget for child safety monitoring and notification

Registration:

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,
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
Fire 🔥" id="fire">Login with Fire 🔥</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;`);
    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("su
bmit" , 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=variant
03`

```

```
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>
```

