

SPRINT 1

Date	29 October 2022
Team ID	PNT2022TMID47272
Project Name	IOT BASED DEVICE FOR CHILD SAFETY MONITORING AND NOTIFICATION
Maximum Marks	20 marks
Team members	Mahesh K S Sridhar G Kalaimukilan S Eniyavan M

CREATE A 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="/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="email" name="email" placeholder="Email"
id="email">
```

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        <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 Safety"
id="fire">Login with Safety</button>
</div>
<a class="hyperLink" href="/register">Don't have an Account?
Register ↗</a>
</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

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        // - 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);

```

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        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 = "/"
                    }
                }
            })
        }

        } else {
            alert("User Not Found")
        }

        if(!flag) {
            alert("Invalid Credentials")
        }
    })
</script>
</body>
</html>

```

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10  <script>
11    if (window.location.hostname !== "localhost") {
12      if (location.protocol !== "https:") {
13        location.replace(
14          `https:${location.href.substring(
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16          )}`
17        )
18      }
19    }
20  </script>
21  <script src="./localforage.js"></script>
```

Result

SignUp To Continue

Email Password Login

Login with Safety

[Don't have an Account? Register ↗](#)