Project Development- Delivery Of Sprint-1

Date	18 November 2022
Team ID	PNT2022TMID38017
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: