Project Development - Delivery Of Sprint-1

Date	14 November 2022
Team ID	PNT2022TMID39165
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

REGISTRATION

HTML CODE:

```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="/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

          )}`)

        }

      }
```

```html
    </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');
```

```javascript
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'
```

```javascript
        // - 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})
```

```javascript
        // 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:

Login to Continue

| First Name | Last Name | User Name | Email | Password | Sign Up |

Login with SAFETY

Already have an Account? Login ↗