Project Development Phase

SPRINT-1

Date	07 November 2022
Team ID	PNT2022TMID01183
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring & Notification
Marks	10 marks

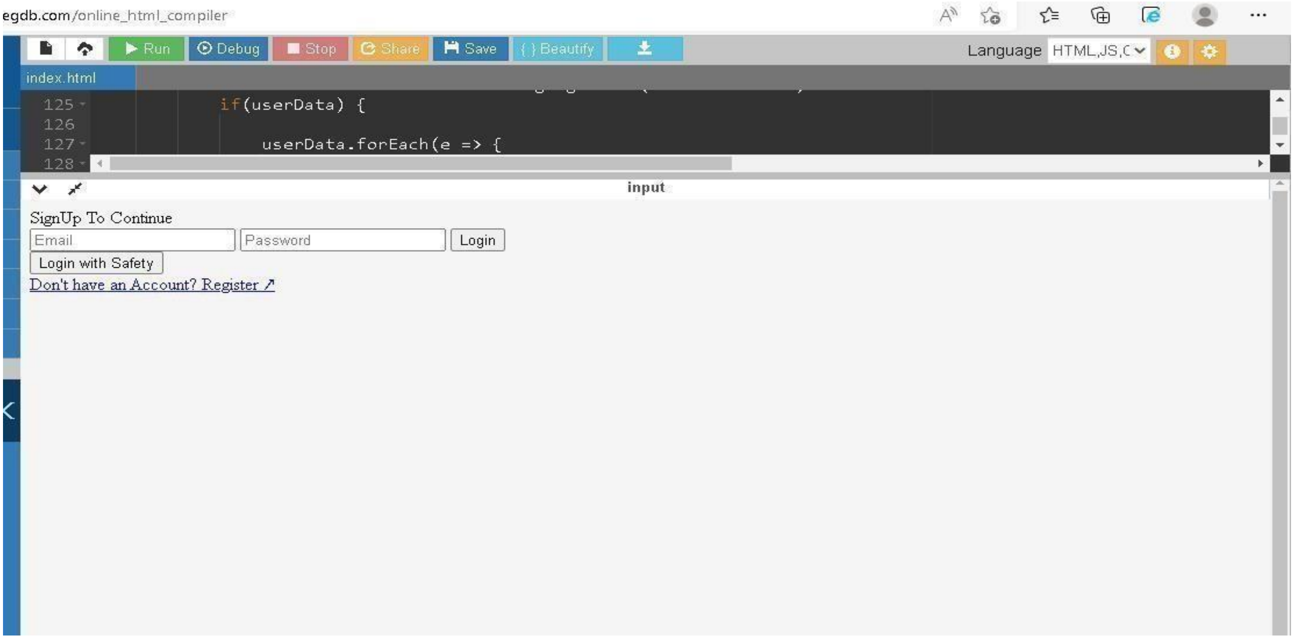
LOGIN:

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>SignUp To Continue</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 Safety" id="fire">Login with Safety</button>
            </div>
            <a class="hyperLink" href="/register">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 = "/"
                        }
                    }
                })

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

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

```
</html>
```



```
    if(userData) {

        userData.forEach(e => {
```

SignUp To Continue

Email | Password | Login

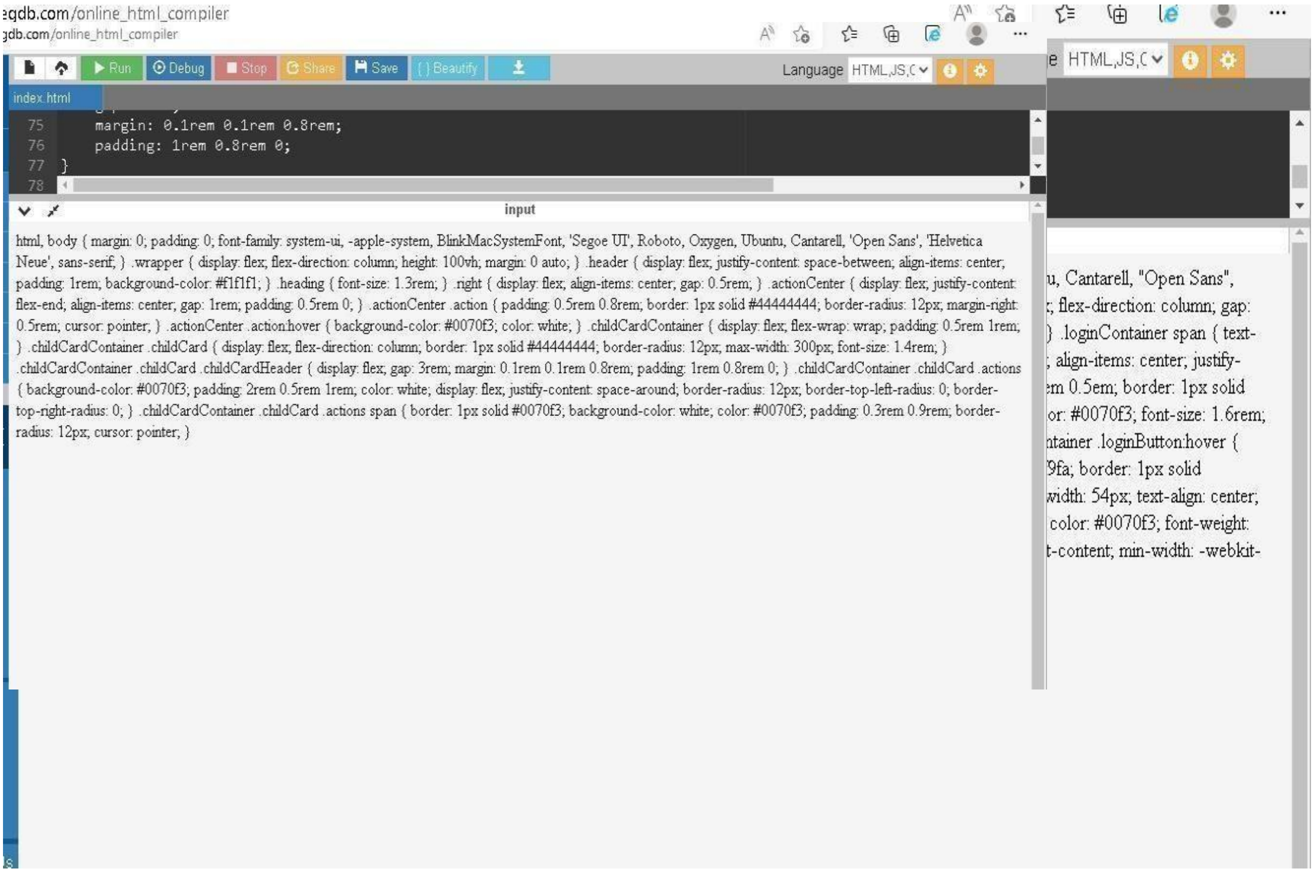
Login with Safety

Don't have an Account? Register ↗

CSS:

```
html,
body {
        height: 100%;
        margin: 0;
        font-weight: 300;
        font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen,
                Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif;
}

.wrapper {
        height: 100%;
        display: flex;
        align-items: center;
        justify-content: center;
}

.loginContainer {
        display: flex;
        flex-direction: column;
        gap: 1rem;
        min-width: 25rem;
        padding: 1rem 3rem;
        border: 1px solid #44444444;
        box-shadow: 0px 3px 2px 1px #44444444;
        border-radius: 8px;
}

.loginContainer span {
        text-align: center;
        font-size: 3rem;
        font-weight: 500;
        margin: 1rem 1rem 3rem;
}

.traditionalLoginContainer form {
        display: flex;
        flex-direction: column;
        align-items: center;
        justify-content: center;
}

.traditionalLoginContainer :is(input[type="text"], input[type="password"], input[type="email"]) {
        margin: 0.3rem;
        padding: 0.3em 0.5em;
        border: 1px solid #44444444;
        border-radius: 5px;
        outline: none;
        min-width: 200px;
        font-size: 1.3rem;
}

.traditionalLoginContainer .loginButton {
        background-color: #0070f3;
        font-size: 1.6rem;
        padding: 0.2em 0.8em;
        color: white;
        margin: 0.4rem;
        border: none;
        border-radius: 5px;
  cursor: pointer;
        margin-top: 2rem;
}
```

```
.traditionalLoginContainer .loginButton:hover  {
    background-color: #0071f3d6;
}

.loginWithFireContainer {
                display: grid;
                display:  -ms-grid;
                place-items: center;
}

.fire {
                background-color: #f8f9fa;
                border: 1px solid #3c404321;
                border-radius: 4px;
                color: #3c4043;
                font-family: arial, sans-serif;

                margin: 11px 4px;
                padding: 0.4em 0.8em;
                line-height: 27px;

                min-width: 54px;
                text-align: center;
                cursor: pointer;
                user-select: none;
                font-size: 1.3rem;
                font-weight: 500;
}

.hyperLink {
                text-decoration: none;
    text-align: center;
    font-size: 1.2rem;
    color: #0070f3;
    font-weight: 400;
}

@media screen and (max-width: 480px) {
  .loginContainer {
    border: none;
    box-shadow: none;
    min-width: fit-content;
    min-width: -moz-fit-content;
    min-width: -webkit-fill-available;
    padding: 1rem;
  }
}
```



```
    margin: 0.1rem 0.1rem 0.8rem;
    padding: 1rem 0.8rem 0;
}
```

html, body { margin: 0; padding: 0; font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', sans-serif; } .wrapper { display: flex; flex-direction: column; height: 100vh; margin: 0 auto; } .header { display: flex; justify-content: space-between; align-items: center; padding: 1rem; background-color: #f1f1f1; } .heading { font-size: 1.3rem; } .right { display: flex; align-items: center; gap: 0.5rem; } .actionCenter { display: flex; justify-content: flex-end; align-items: center; gap: 1rem; padding: 0.5rem 0; } .actionCenter .action { padding: 0.5rem 0.8rem; border: 1px solid #44444444; border-radius: 12px; margin-right: 0.5rem; cursor: pointer; } .actionCenter .action:hover { background-color: #0070f3; color: white; } .childCardContainer { display: flex; flex-wrap: wrap; padding: 0.5rem 1rem; } .childCardContainer .childCard { display: flex; flex-direction: column; border: 1px solid #44444444; border-radius: 12px; max-width: 300px; font-size: 1.4rem; } .childCardContainer .childCard .childCardHeader { display: flex; gap: 3rem; margin: 0.1rem 0.1rem 0.8rem; padding: 1rem 0.8rem 0; } .childCardContainer .childCard .actions { background-color: #0070f3; padding: 2rem 0.5rem 1rem; color: white; display: flex; justify-content: space-around; border-radius: 12px; border-top-left-radius: 0; border-top-right-radius: 0; } .childCardContainer .childCard .actions span { border: 1px solid #0070f3; background-color: white; color: #0070f3; padding: 0.3rem 0.9rem; border-radius: 12px; cursor: pointer; }

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em 0.5em; border: 1px solid
or: #0070f3; font-size: 1.6rem;
ntainer .loginButton:hover {
9fa; border: 1px solid
width: 54px; text-align: center;
color: #0070f3; font-weight:
t-content; min-width: -webkit-