IoT Based Safety Gadget for Child Safety Monitoring & Notification

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Project Code:

Login.html:

```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>
</head>

<body>
    <div class="wrapper">
        <div class="loginContainer">
            <span>Login 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>
            <a class="hyperLink" href="registration.html">Don't have an
Account? Register ↗</a>
        </div>
    </div>

    <!--set the path where the node modules are installed in pc-->
    <script
src="node_modules/localforage/dist/localforage.js"></script>

    <script>

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")
                console.log(userData)
                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 = "index.html"
                            }
                        }
                    })

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

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

</html>
```

Registeration.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>
</head>

<body>
    <div class="wrapper">
        <div class="loginContainer">
            <span>SignUp 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>
            <a class="hyperLink" href="login.html">Already have an
Account? Login ↗</a>
        </div>
    </div>

    <!--set the path where the node modules are installed in pc-->
    <script
src="node_modules/localforage/dist/localforage.js"></script>

    <script>

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").value
            let
profilePic=`https://avatars.dicebear.com/api/initials/${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 = "index.html"
        })
    </script>
</body>

</html>
```

Index.html

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8" />
    <meta name="description" />
    <meta name="viewport" content="width=device-width, initial-
scale=1.0" />
    <link rel="stylesheet" href="../css/index.css">
    <title>IOT Based Safety Gadget for Child Safety Monitoring and
Notification</title>
```

```html
</head>

<body>
    <div class="wrapper">
        <div class="details">
            <h1 class="name"></h1>
            <div class="imageContainer">
                <img class="image" width=150px alt="profile picture" />
            </div>
            <h2 class="email"></h2>

            <a class="dashboard" href="dashboard.html">Go to Dashboard
↗</a>
        </div>
    </div>

    <!--set the path where the node modules are installed in pc-->
    <script
src="node_modules/localforage/dist/localforage.js"></script>

    <script>
        async function check() {
            let data = localforage.getItem("userData")
            if (data == null) {
                window.location.href = "login.html"
            }
        }
        check()
    </script>
    <script>
        async function main() {
            let name = document.querySelector(".name")
            let image = document.querySelector(".image")
            let email = document.querySelector(".email")
            let userData = await localforage.getItem("userData")
            if (userData == null) {
                window.location.href = "login.html"
            }
            name.innerHTML = `Welcome ${userData.firstName}
${userData.lastName}!`
            image.src = userData.profilePic
            email.innerHTML = `Your email is: <a style="text-
decoration: none;color: #0072B5;"
href="mailto:${userData.email}">${userData.email}</a>`
        }
        main()
    </script>
</body>

</html>
```

Dashboard.html

```html
<!DOCTYPE html>
<html lang="en">

<head>
```

```html
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible">
    <meta name="viewport" content="width=device-width, initial-
scale=1.0">
    <link rel="stylesheet" href="../css/dashboard.css">
    <title>Dashboard</title>
</head>

<body>
    <div class="wrapper">
        <div class="header">
            <span class="heading">Dashboard</span>
            <span class="right">
                <span class="username">Hello User</span>
                <span>
                    <img class="profilePic"
src="https://avatars.dicebear.com/api/avataaars/asdfasdfds.svg"
                        alt="User Profile" height="30" width="30">
                </span>
            </span>
        </div>

        <div class="actionCenter">
            <div class="action">
                <span class="createChild">Create Child Card</span>
            </div>
            <div class="action">
                <span class="logout">Log out</span>
            </div>
        </div>

        <div class="childCardContainer">
            <div class="childCard">
                <div class="childCardHeader">
                    <span>Child Name</span>
                    <span>Age 0</span>
                </div>
                <div class="actions">
                    <span>View</span>
                    <span>GeoFence</span>
                </div>
            </div>
        </div>
    </div>

    <!--set the path where the node modules are installed in pc-->
    <script
src="C:/Users/sankeerthan/node_modules/localforage/dist/localforage.js"
></script>

    <script>
        async function main() {
            let userData = await localforage.getItem('userData')
            if (userData == null) {
                window.location.href = "login.html"
            }
            document.querySelector(".username").innerHTML = `Hello
${userData.firstName}`
```

```
                document.querySelector(".profilePic").src =
userData.profilePic
            }
            main()
            document.querySelector(".logout").addEventListener("click",
async () => {
                await localforage.setItem('userData', null)
                window.location.href = "login.html"
            })


document.querySelector('.createChild').addEventListener('click',functio
n() {
                window.location.href = "child.html"
            });
        </script>
</body>

</html>
```

Child.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">
    <title>Child card</title>
    <style>
        form {
            background:#006699;
            padding:5px;
            position:absolute;
            top:27px;
        }
    </style>
</head>
<body>
    <form id="form">
        <p><input type="text" id="name" placeholder="Name"/></p>
        <p><input type="text" id="age" placeholder="Age" /></p>
        <p><input type="submit" id="createBtn" value="Create" /></p>
    </form>
    <script>

document.querySelector('#createBtn').addEventListener('click',function(
) {
            const name=document.getElementById("name").value;
            const age=document.getElementById("age").value;
            alert(`Child card created!\nName : ${name}\nAge : ${age}`);
        })
    </script>
</body>
</html>
```

Login.css

```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;
}
```

```css
.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;
}

.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;
        }
}
```

Index.css

```css
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: 90%;
    display: flex;
    flex-direction: column;
    align-items: center;
    justify-content: center;
    text-align: center;
}

.details {
    display: flex;
```

```css
    flex-direction: column;
    align-items: center;
    gap: 20px;
    padding: 1rem;
    border-radius: 5px;
    box-shadow: 0 0 8px 0px #44444444;
    max-width: 80%;
}

h1,
h2 {
    margin: 0;
}

.imageContainer {
    padding: 10px;
    height: 10rem;
    width: 10rem;
}

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

Dashboard.css

```css
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;
```

```css
}

.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;
```

```css
    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;
}
```