# Project Development Phase- Sprint 1

# Project title- Iot based child safety monitoring and notification

# Team Members:

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# Sprint -1 Requirements:

# As a user, I can register for the application by entering my email, password, and confirming my password

# As a user, I will receive confirmation email once I have registered for the application

# As a user, I can register for the application through Mail

# As a user, I can log into the application by entering email & password

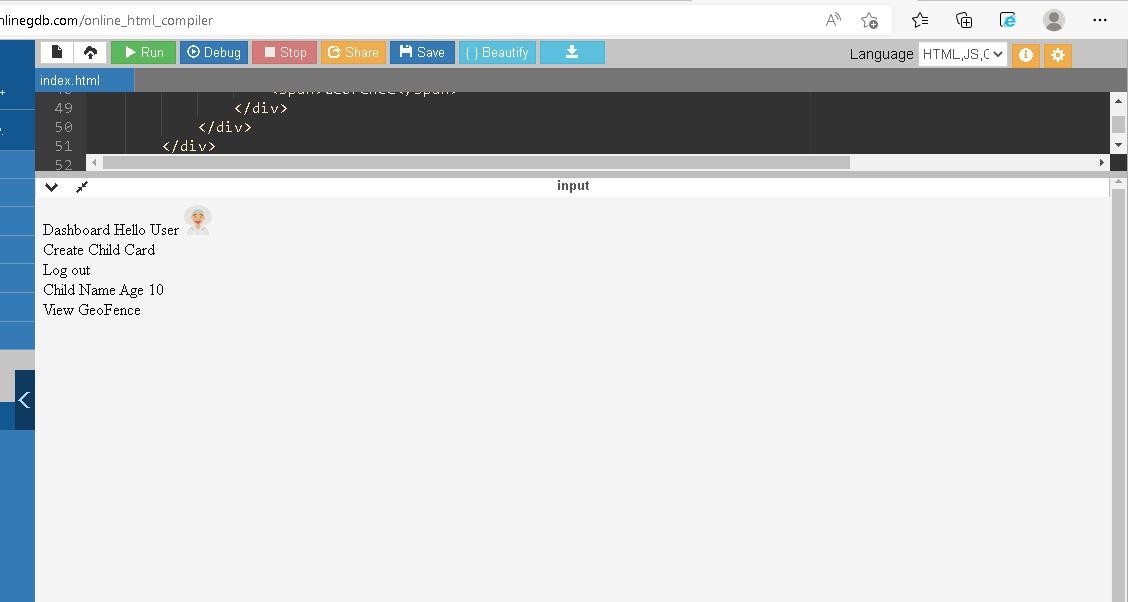
**Program:**

**DASHBOARD.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; |
|  | } |
|  | .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; |
|  | } |

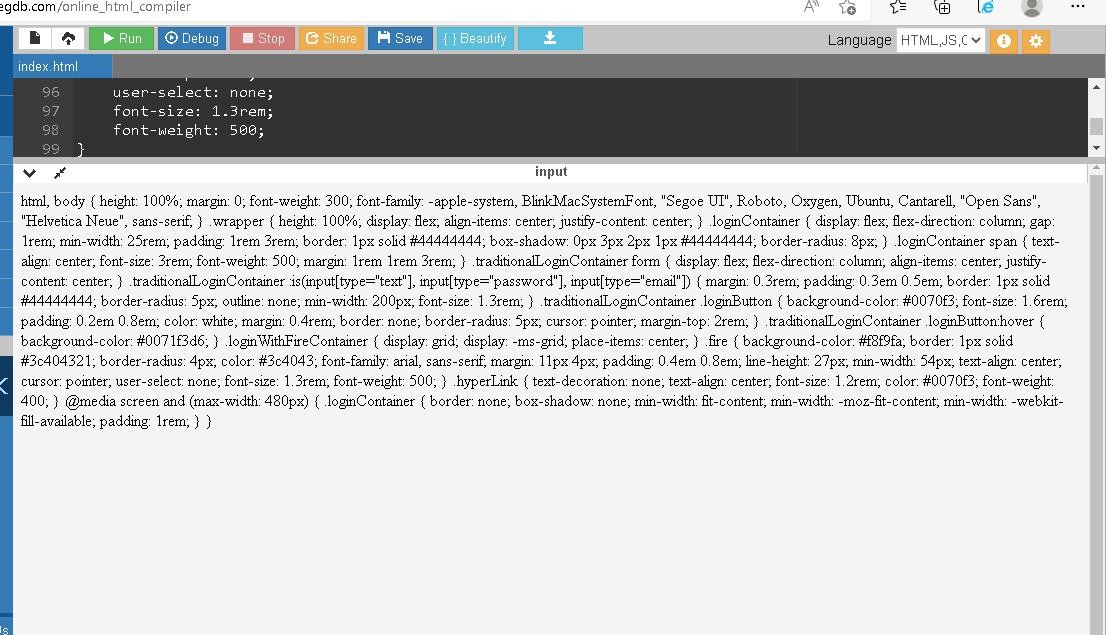
**DASHBOARD.HTML:**

|  |
| --- |
| <!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="./DASHBOARD.css"> |
|  | <title>Dashboard</title> |
|  | <script src="./LOCALFORAGE.js"></script> |
|  | </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>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 12</span> |
|  | </div> |
|  | <div class="actions"> |
|  | <span>View</span> |
|  | <span>GeoFence</span> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | </div> |
|  | <script> |
|  | async function main() { |
|  | let userData = await localforage.getItem('userData') |
|  | if(userData == null) { |
|  | window.location.href = "/login" |
|  | } |
|  | 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" |
|  | }) |
|  | </script> |
|  | </body> |
|  | </html> |

****

**FIREOAUTH.HTML:**

|  |
| --- |
| ﻿<!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0"> |
|  | <link rel="stylesheet" href="/FIREOAUTH.css"> |
|  | <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.css"> |
|  | <link rel="shortcut icon" href="https://raw.githubusercontent.com/tharunoptimus-pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA" type="image/x-icon"> |
|  | <style> |
|  | html, |
|  | body { |
|  | height: 100%; |
|  | margin: 0; |
|  | font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen, |
|  | Ubuntu, Cantarell, "Open Sans", "Helvetica Neue", sans-serif; |
|  | font-weight: 300; |
|  | } |
|  |  |
|  | a { |
|  | text-decoration: none; |
|  | color: #007bff; |
|  | font-weight: 500; |
|  | font-size: 1.2rem; |
|  | } |
|  |  |
|  | h3 { |
|  | font-size: 1.4rem; |
|  | } |
|  |  |
|  | h3, h4 { |
|  | margin: 0; |
|  | padding: 0.3rem 0; |
|  | } |
|  |  |
|  | .wrapper { |
|  | display: flex; |
|  | flex-direction: column; |
|  | align-items: center; |
|  | justify-content: center; |
|  | height: 100%; |
|  | text-align: center; |
|  | } |
|  |  |
|  | .oneClickSignin { |
|  | padding: 0.5rem; |
|  | border: 1px solid #44444444; |
|  | border-radius: 5px; |
|  | box-shadow: 0 0 3px 0px #44444444; |
|  | opacity: 0.2; |
|  | pointer-events: none; |
|  | } |
|  |  |
|  | .qrcode { |
|  | opacity: 0.1; |
|  | } |
|  |  |
|  | .learnAboutFire { |
|  | padding-top: 1.25em; |
|  | } |
|  |  |
|  | .qrHolder { |
|  | display: none; |
|  | margin-top: 3rem; |
|  | } |
|  |  |
|  | .qrContainer { |
|  | align-items: center; |
|  | display: flex; |
|  | justify-content: center; |
|  | padding: 8px; |
|  | margin: 2rem auto; |
|  | box-shadow: 0 0px 6px 1px rgb(0 0 0 / 16%); |
|  | border: 1px solid #44444444; |
|  | border-radius: 6px; |
|  | width: 200px; |
|  | height: 200px; |
|  | } |
|  | </style> |
|  | <title>Fire OAuth</title> |
|  | <script> |
|  | if (window.location.hostname !== "localhost") { |
|  | if (location.protocol !== "https:") { |
|  | location.replace( |
|  | `https:${location.href.substring( |
|  | location.protocol.length |
|  | )}` |
|  | ) |
|  | } |
|  | } |
|  | </script> |
|  | </head> |
|  | <body> |
|  | <div class="wrapper"> |
|  | <h3 class="pageTitle">Login with SAFETY</h3> |
|  |  |
|  | <div class="qrAuthorize"> |
|  | <h4 class="subTitle">Scan QR from your Fire OAuth App📱</h4> |
|  |  |
|  | <div class="qrContainer"> |
|  | <canvas id="qr-code" class="qrcode"></canvas> |
|  | </div> |
|  | </div> |
|  |  |
|  | <div class="oneClickSignin"> |
|  | <h4>Have Fire PWA on this device?</h4> |
|  | <a target="\_blank" id="authorizeOverLink" href="https://firepwa.netlify.app/authorize?sessionId" rel="noopener">Click to Authorize 🔑 </a> |
|  | </div> |
|  |  |
|  | <div class="learnAboutFire"> |
|  | <a target="\_blank" href="https://fireoauth.netlify.app" rel="noopener">Learn More about SAFETY</a> |
|  | </div> |
|  | </div> |
|  | <script src="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.js"></script> |
|  | <script src="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qrious.min.js"></script> |
|  | <script src="https://cdnjs.cloudflare.com/ajax/libs/socket.io/4.2.0/socket.io.js"></script> |
|  | <script> |
|  |  |
|  | const FIRE\_API\_KEY = "635b790a3bcc6b59c4b772d0" |
|  | const FIRE\_ENDPOINT = "https://fire.adaptable.app/api/apis/generate" |
|  | const CHANNEL\_NAME = "fireOAuthChannel" |
|  | const broadCastingChannel = new BroadcastChannel(CHANNEL\_NAME) |
|  | const FIRE\_SERVER\_SOCKET\_ENDPOINT = "https://fire.adaptable.app" |
|  | let socket = io(FIRE\_SERVER\_SOCKET\_ENDPOINT) |
|  |  |
|  | let qr |
|  |  |
|  | let qrcode = document.querySelector(".qrcode") |
|  | let oneClickSignin = document.querySelector(".oneClickSignin") |
|  | let pageTitle = document.querySelector(".pageTitle") |
|  | let subTitle = document.querySelector(".subTitle") |
|  |  |
|  | function setOpacity(opacity) { |
|  | oneClickSignin.style.opacity = opacity |
|  | oneClickSignin.style.pointerEvents = opacity === "1" ? "auto" : "none" |
|  | qrcode.style.opacity = opacity |
|  | } |
|  |  |
|  | async function getSessionID() { |
|  | let response |
|  | try { |
|  | response = await fetch(`${FIRE\_ENDPOINT}/${FIRE\_API\_KEY}`, { |
|  | method: "GET", |
|  | headers: { |
|  | "Content-Type": "application/json", |
|  | } |
|  | }) |
|  | } catch (error) { |
|  | console.log(error) |
|  | return null |
|  | } |
|  |  |
|  | let data = await response.json() |
|  | let { sessionId, chatRoomId } = data |
|  | return { sessionId, chatRoomId } |
|  | } |
|  |  |
|  | function generateQR(value) { |
|  | (qr = new QRious({ |
|  | element: document.getElementById("qr-code"), |
|  | size: 200, |
|  | level: 'M', |
|  | value: value, |
|  | })) |
|  | } |
|  |  |
|  | function changeHREF ({sessionId, chatRoomId}) { |
|  | let firePwaUrlHostname = "https://firepwa.netlify.app" |
|  | let originURL = encodeURIComponent(window.location.origin) |
|  |  |
|  | let url = `${firePwaUrlHostname}/authorize.html?sessionId=${sessionId}&chatRoomId=${chatRoomId}&url=${originURL}` |
|  | let a = document.getElementById("authorizeOverLink") |
|  | a.href = url |
|  | } |
|  |  |
|  | async function fire() { |
|  | NProgress.set(0.4) |
|  | let { sessionId, chatRoomId } = await getSessionID() |
|  |  |
|  | if(sessionId === undefined || chatRoomId === undefined || sessionId === null || chatRoomId === null) { |
|  | pageTitle.innerHTML = "Something went wrong 💀" |
|  | subTitle.innerHTML = "Please try again later 😢" |
|  | return |
|  | } |
|  |  |
|  | setOpacity("1") |
|  |  |
|  |  |
|  | NProgress.done() |
|  | let data = { |
|  | sessionId, |
|  | url: encodeURIComponent(window.location.origin) |
|  | } |
|  | data = JSON.stringify(data) |
|  | generateQR(data) |
|  | changeHREF({sessionId, chatRoomId}) |
|  | socket.emit("join room", sessionId) |
|  | } |
|  |  |
|  | fire() |
|  |  |
|  | socket.on("trusted token", (token) => { |
|  |  |
|  | let data = {} |
|  | data.success = true |
|  | data.token = token |
|  |  |
|  | broadCastingChannel.postMessage(data) |
|  |  |
|  | window.close() |
|  | }) |
|  | </script> |
|  | </body> |
|  | </html> |



**INDEX.HTML**

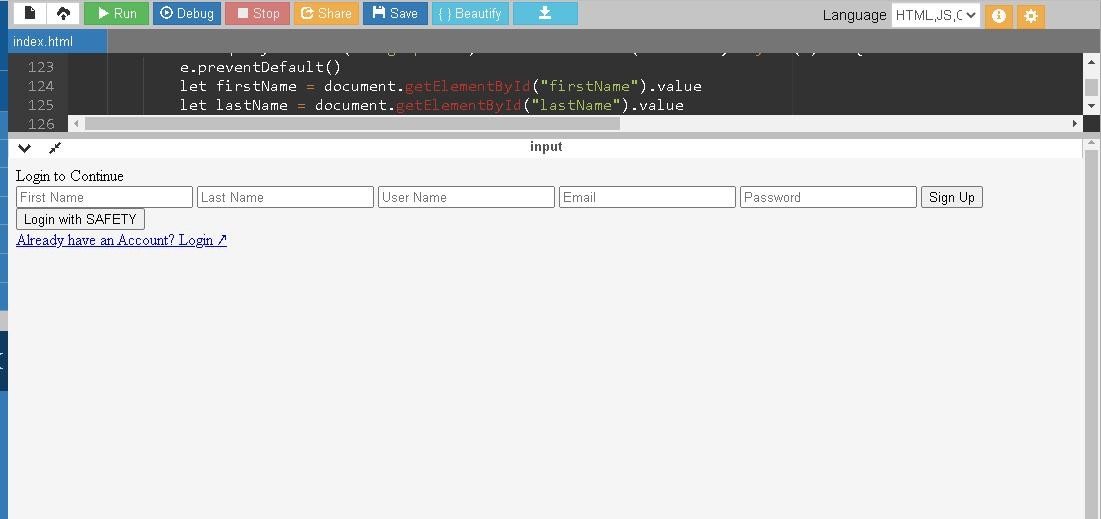
|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en" style="height: 100%; margin: 0;"> |
|  | <head> |
|  | <meta charset="UTF-8" /> |
|  | <meta name="description" content="The Home Page after Logged In" /> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0" /> |
|  | <title>IOT Based Safety Gadget for Child Safety Monitoring and Notification</title> |
|  | <script src="./LOCALFORAGE.js"></script> |
|  | <script> |
|  | if (window.location.hostname !== "localhost") { |
|  | if (location.protocol !== "https:") { |
|  | location.replace( |
|  | `https:${location.href.substring( |
|  | location.protocol.length |
|  | )}` |
|  | ) |
|  | } |
|  | } |
|  |  |
|  | async function check() { |
|  | let data = localforage.getItem("userData") |
|  | if (data == null) { |
|  | window.location.href = "/login" |
|  | } |
|  | } |
|  | check() |
|  | </script> |
|  | </head> |
|  | <body |
|  | style=" |
|  | height: 100%; |
|  | margin: 0; |
|  | font-weight: 300; |
|  | font-family: -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, |
|  | Oxygen, Ubuntu, Cantarell, 'Open Sans', 'Helvetica Neue', |
|  | sans-serif; |
|  | " |
|  | > |
|  | <div |
|  | class="wrapper" |
|  | style=" |
|  | height: 90%; |
|  | display: flex; |
|  | flex-direction: column; |
|  | align-items: center; |
|  | justify-content: center; |
|  | text-align: center; |
|  | " |
|  | > |
|  | <div |
|  | class="details" |
|  | style=" |
|  | display: flex; |
|  | flex-direction: column; |
|  | align-items: center; |
|  | gap: 20px; |
|  | padding: 1rem; |
|  | border-radius: 5px; |
|  | box-shadow: 0 0 8px 0px #44444444; |
|  | max-width: 80%; |
|  | " |
|  | > |
|  | <h1 class="name" style="margin: 0"></h1> |
|  | <div |
|  | class="imageContainer" |
|  | style="padding: 10px; height: 10rem; width: 10rem" |
|  | > |
|  | <img class="image" alt="profile picture" /> |
|  | </div> |
|  | <h2 class="email" style="margin: 0"></h2> |
|  |  |
|  | <a style="text-decoration: none;text-align: center;font-size: 1.2rem;color: #0070f3;font-weight: 400;" href="./dashboard">Go to Dashboard ↗</a> |
|  | </div> |
|  | </div> |
|  | <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" |
|  | } |
|  | 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> |

**LOGIN.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; |
|  | } |
|  | } |

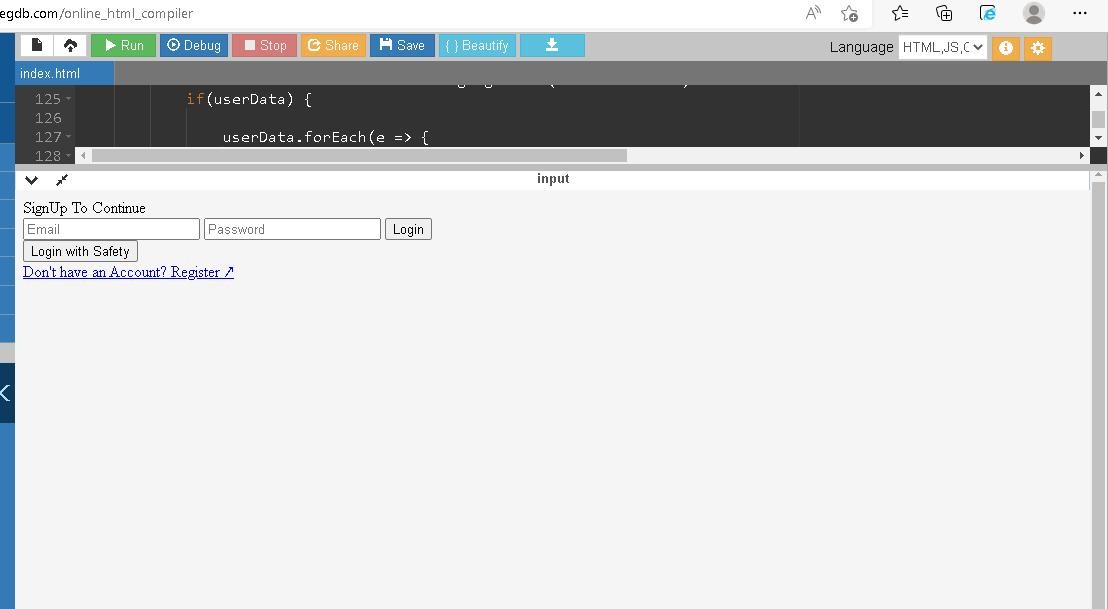
**LOGIN.HTML:**

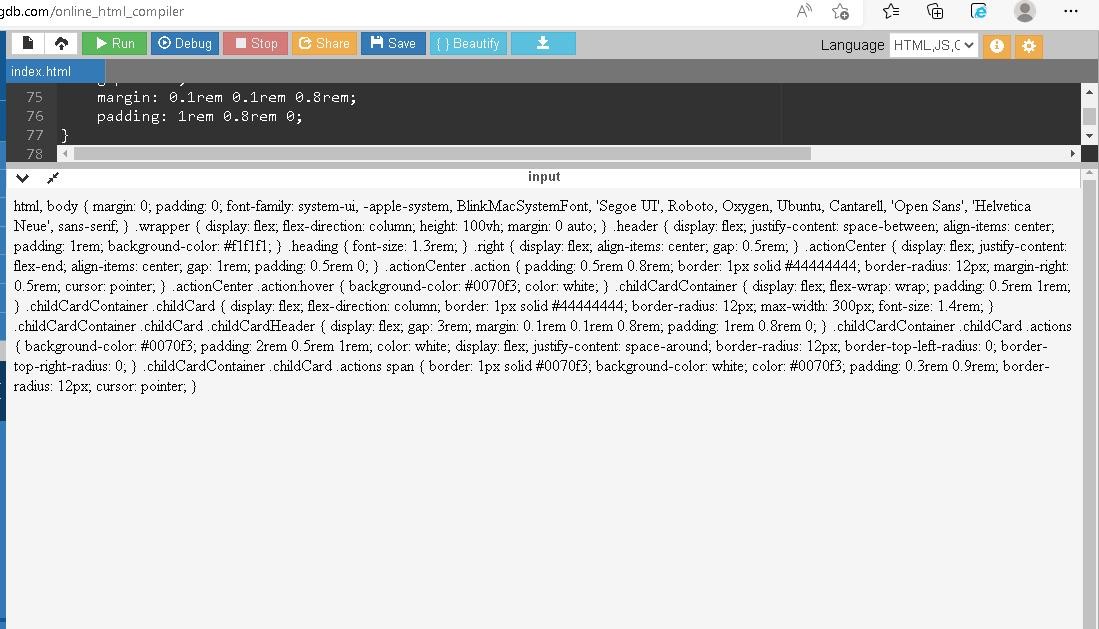
|  |
| --- |
| <!DOCTYPE html> |
|  | <html lang="en"> |
|  | <head> |
|  | <meta charset="UTF-8"> |
|  | <meta http-equiv="X-UA-Compatible" content="IE=edge"> |
|  | <meta name="viewport" content="width=device-width, initial-scale=1.0"> |
|  | <link rel="stylesheet" href="/LOGIN.css"> |
|  | <title>Sign 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> |

****

**REGISTRATION.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 |
|  | )}` |
|  | ) |
|  | } |
|  | } |
|  | </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="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> |
|  | <div class="loginWithFireContainer"> |
|  | <button type="button" class="fire" title="Login with SAFETY" id="fire">Login with SAFETY</button> |
|  | </div> |
|  | <a class="hyperLink" href="/login">Already have an Account? Login ↗</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 |
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|  | // data.token is the fire token |
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|  | // 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: ${data.token}`, `color: #f1c40f; font-weight: bold;`); |
|  | const response = await fetch('https://fire.adaptable.app/api/tokens/verify', { |
|  | method: 'POST', |
|  | headers: { |
|  | 'Content-Type': 'application/json' |
|  | }, |
|  | body: JSON.stringify({ |
|  | token: data.token |
|  | }) |
|  | }) |
|  | // get the response |
|  | const responseData = await response.json() |
|  | // console.log the response |
|  | console.log(responseData) |
|  | await localforage.setItem('userData', {...responseData, isFire: true}) |
|  | // Adding the user data to the user Database |
|  | let database = await localforage.getItem("userDatabase") |
|  | if (database == null) { |
|  | database = [] |
|  | } |
|  | database.push(responseData) |
|  | await localforage.setItem("userDatabase", database) |
|  | // redirect to the home page |
|  | window.location.href = '/' |
|  |  |
|  | }) |
|  |  |
|  | function popupwindow(url, title, w, h) { |
|  | var left = (screen.width/2)-(w/2); |
|  | var top = (screen.height/2)-(h/2); |
|  | return window.open(url, title, 'toolbar=no, location=no, directories=no, status=no, menubar=no, scrollbars=no, resizable=no, copyhistory=no, width='+w+', height='+h+', top='+top+', left='+left); |
|  | } |
|  | document.getElementById("fire").addEventListener("click", function() { |
|  | popupwindow("/fireoauth.html", "Fire OAuth", 450, 600) |
|  |  |
|  | }) |
|  | </script> |
|  |  |
|  | <script> |
|  | // this.Website's Scripts / App Logic |
|  | document.querySelector(".signupForm").addEventListener("submit" , async (e) => { |
|  | e.preventDefault() |
|  | let firstName = document.getElementById("firstName").value |
|  | let lastName = document.getElementById("lastName").value |
|  | let username = document.getElementById("username").value |
|  | let email = document.getElementById("email").value |
|  | let password = document.getElementById("password").value |
|  | let profilePic = `https://avatars.dicebear.com/api/adventurer-neutral/${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> |



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