**PROJECT DEVELOPMENT PHASE**

**SPRINT-1**

**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 Fire 🔥" id="fire">Login with Fire 🔥</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>**

**REGISTERATION**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

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**<meta http-equiv="X-UA-Compatible" content="IE=edge">**

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**}**

**}**

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**</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 Fire 🔥" id="fire">Login with Fire 🔥</button>**

**</div>**

**<a class="hyperLink" href="/login">Already have an Account? Login ↗</a>**

**</div>**

**</div>**

**<script>**

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**},**

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**token: data.token**

**})**

**})**

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**}**

**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>**

**DASHBOARD**

**<!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/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>**

**INDEX**

**<!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>**