

Project Development Phase SPRINT-1

Date	03 October 2022
Team ID	PNT2022TMID39992
Project Name	Project - IOT Based Safety Gadget for Child Safety Monitoring&Notification

✓ 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="/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>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">
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        <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
         */

        // 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;`);
    });

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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 localStorage.setItem('userData', {...responseData, isFire: true})
// Adding the user data to the user Database
let database = await localStorage.getItem("userDatabase")
if (database == null) {
  database = []
}
database.push(responseData)
await localStorage.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

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    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>

```

✓ CONFIRMATION EMAIL:

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>
<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;

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```

        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 localStorage.getItem("userData")

if(userData == null) {

        window.location.href = "/login"

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    }

    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>

```

LOCALFORAGE:

```

/*!

localForage -- Offline Storage, Improved

Version 1.10.0

https://localforage.github.io/localForage

(c) 2013-2017 Mozilla, Apache License 2.0

*/

!function(a)

{if("object"==typeof exports&&"undefined"!=typeof module)module.exports=a();

else if("function"==typeof define&&define.amd)define([],a);

else{var b;

    b="undefined"!=typeof window?window:"undefined"!=typeof global?global:"undefined"!=typeof

self?self:this,b.localforage=a()}(function(){

    return function a(b,c,d){

        function e(g,h){if(!c[g]){if(!b[g]){

            var i="function"==typeof require&&require;

            if(!h&&i)return i(g,!0);if(f)return f(g,!0);

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var j=new Error("Cannot find module '"+g+"'");

throw j.code="MODULE_NOT_FOUND",j}var k=c[g]={exports:{}};

b[g][0].call(k.exports,function(a){

var c=b[g][1][a];return e(c||a),k,k.exports,a,b,c,d)}

return c[g].exports}

for(var f="function"==typeof require&&require,g=0;g<d.length;g++)e(d[g]);

return e)({1:[function(a,b,c){(function(a){"use strict";

function c(){k=!0;for(var a,b,c=l.length;c;){

for(b=l,l=[],a=-1;++a<c;)b[a]();c=l.length}k=!1}

function d(a){1!=l.push(a)||k||e()}var

e,f=a.MutationObserver||a.WebKitMutationObserver;

if(f){var g=0,h=new

f(c),i=a.document.createTextNode("");h.observe(i,{characterData:!0}),e=function(){i.data=g++g%2}}

else if(a.setImmediate||void 0===a.MessageChannel)e="document"in

a&&"onreadystatechange"in a.document.createElement("script"?function(){var

b=a.document.createElement("script");b.onreadystatechange=function(){c(),b.onreadystatechange=null,b.pa

rentNode.removeChild(b),b=null},a.document.documentElement.appendChild(b)}:function(){setTimeout(c,0)});

else{var j=new a.MessageChannel;j.port1.onmessage=c,e=function(){j.port2.postMessage(0)}}var

k,l=[];b.exports=d}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof

self?self:"undefined"!=typeof window?window:{}),{2:[function(a,b,c){"use strict";function d(){function

e(a){if("function"!=typeof a)throw new TypeError("resolver must be a

function");this.state=s,this.queue=[],this.outcome=void 0,a!==d&&i(this,a)}function

f(a,b,c){this.promise=a,"function"==typeof

b&&(this.onFulfilled=b,this.callFulfilled=this.otherCallFulfilled),"function"==typeof

c&&(this.onRejected=c,this.callRejected=this.otherCallRejected)}function g(a,b,c){o(function(){var

d;try{d=b(c)}catch(b){return p.reject(a,b)}d===a?p.reject(a,new TypeError("Cannot resolve promise with

itself")):p.resolve(a,d))}function h(a){var b=a&&a.then;if(a&&("object"==typeof a||"function"==typeof

a)&&"function"==typeof b)return function(){b.apply(a,arguments)}}function i(a,b){function

c(b){f||(f=!0,p.reject(a,b))}function d(b){f||(f=!0,p.resolve(a,b))}function e(){b(d,c)}var

f=!1,g=j(e),"error"===g.status&&(g.value)}function j(a,b){var

c={};try{c.value=a(b),c.status="success"}catch(a){c.status="error",c.value=a}return c}function k(a){return a

instanceof this?a:p.resolve(new this(d,a))}function l(a){var b=new this(d);return p.reject(b,a)}function

m(a){function b(a,b){function

d(a){g[b]=a,++h!==e||f||(f=!0,p.resolve(j,g))}c.resolve(a).then(d,function(a){f||(f=!0,p.reject(j,a))})}var

c=this;if("[object Array]"!==Object.prototype.toString.call(a))return this.reject(new TypeError("must be an

array"));var e=a.length,f=!1;if(!e)return this.resolve([]);for(var g=new Array(e),h=0,i=-1,j=new

this(d);++i<e;)b(a[i],i);return j}function n(a){function

b(a){c.resolve(a).then(function(a){f||(f=!0,p.resolve(h,a))},function(a){f||(f=!0,p.reject(h,a))})}var

c=this;if("[object Array]"!==Object.prototype.toString.call(a))return this.reject(new TypeError("must be an

array"));var e=a.length,f=!1;if(!e)return this.resolve([]);for(var g=-1,h=new this(d);++g<e;)b(a[g]);return h}var

o=a(1),p={},q=["REJECTED"],r=["FULFILLED"],s=["PENDING"];b.exports=e,e.prototype.catch=function(a){ret

urn this.then(null,a),e.prototype.then=function(a,b){if("function"!=typeof

a&&this.state===r||"function"!=typeof b&&this.state===q)return this;var c=new

this.constructor(d);if(this.state!==s){g(c,this.state===r?a:b,this.outcome)}else this.queue.push(new

f(c,a,b));return

c},f.prototype.callFulfilled=function(a){p.resolve(this.promise,a)},f.prototype.otherCallFulfilled=function(a){g(

this.promise,this.onFulfilled,a)},f.prototype.callRejected=function(a){p.reject(this.promise,a)},f.prototype.oth

erCallRejected=function(a){g(this.promise,this.onRejected,a)},p.resolve=function(a,b){var

c=j(h,b);if("error"===c.status)return p.reject(a,c.value);var

d=c.value;if(d)i(a,d);else{a.state=r,a.outcome=b;for(var e=

1,f=a.queue.length;++e<f;)a.queue[e].callFulfilled(b)}return

a},p.reject=function(a,b){a.state=q,a.outcome=b;for(var c=

1,d=a.queue.length;++c<d;)a.queue[c].callRejected(b);return

a},e.resolve=k,e.reject=l,e.all=m,e.race=n},{1:1}],3:[function(a,b,c){(function(b){"use strict";"function"!=typeof

b.Promise&&(b.Promise=a(2))}).call(this,"undefined"!=typeof global?global:"undefined"!=typeof

self?self:"undefined"!=typeof window?window:{}),{2:2}],4:[function(a,b,c){"use strict";function d(a,b){if(!a

instanceof b)throw new TypeError("Cannot call a class as a function")}function

e(){try{if("undefined"!=typeof indexedDB)return indexedDB;if("undefined"!=typeof webkitIndexedDB)return

webkitIndexedDB;if("undefined"!=typeof mozIndexedDB)return mozIndexedDB;if("undefined"!=typeof

OIndexedDB)return OIndexedDB;if("undefined"!=typeof msIndexedDB)return

msIndexedDB}catch(a){return}}function f(){try{if(!ua||!ua.open)return!1;var a="undefined"!=typeof

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openDatabase&&/Safari|iPhone|iPod|).test(navigator.userAgent)&&/Chrome/.test(navigator.userAgent)
&&/BlackBerry/.test(navigator.platform),b="function"==typeof fetch&&-1!==fetch.toString().indexOf("[native
code");return(!a||b)&&"undefined"!==typeof indexedDB&&"undefined"!==typeof
IDBKeyRange}catch(a){return!1}}function g(a,b){a=a||[],b=b||[];try{return new
Blob(a,b)}catch(f){if("TypeError"!==f.name)throw f;for(var c="undefined"!==typeof
BlobBuilder?BlobBuilder:"undefined"!==typeof MSBlobBuilder?MSBlobBuilder:"undefined"!==typeof
MozBlobBuilder?MozBlobBuilder:WebKitBlobBuilder,d=new c,e=0;e<a.length;e+=1)d.append(a[e]);return
d.getBlob(b.type)}}function h(a,b){b&&a.then(function(a){b(null,a)},function(a){b(a)})}function
i(a,b,c){"function"==typeof b&&a.then(b),"function"==typeof c&&a.catch(c)}function
j(a){return"string"!==typeof a&&(console.warn(a+" used as a key, but it is not a
string."),a=String(a)),a}function k(){if(arguments.length&&"function"==typeof arguments[arguments.length-
1])return arguments[arguments.length-1]}function l(a){for(var b=a.length,c=new ArrayBuffer(b),d=new
Uint8Array(c),e=0;e<b;e++)d[e]=a.charCodeAt(e);return c}function m(a){return new va(function(b){var
c=a.transaction(wa,Ba),d=g([""]);c.objectStore(wa).put(d,"key"),c.onabort=function(a){a.preventDefault(),a.st
opPropagation(),b(!1)},c.oncomplete=function(){var
a=navigator.userAgent.match(/ChromeV(\d+)/),c=navigator.userAgent.match(/EdgeV/);b(c||a||parseInt(a[1],10)
>=43)}}).catch(function(){return!1})}function n(a){return"boolean"==typeof
xa?va.resolve(xa):m(a).then(function(a){return xa=a})}function o(a){var b=ya[a.name],c={};c.promise=new
va(function(a,b){c.resolve=a,c.reject=b}),b.deferredOperations.push(c),b.dbReady?b.dbReady=b.dbReady.th
en(function(){c.resolve=c.promise}):b.dbReady=c.promise}function p(a){var
b=ya[a.name],c=b.deferredOperations.pop();if(c)return c.resolve(),c.promise}function q(a,b){var
c=ya[a.name],d=c.deferredOperations.pop();if(d)return d.reject(b),d.promise}function r(a,b){return new
va(function(c,d){if(ya[a.name]=ya[a.name]||B(),a.db){if(!b)return c(a.db);o(a),a.db.close()}var
e=[a.name];b&&e.push(a.version);var f=ua.open.apply(ua,e);b&&(f.onupgradeneeded=function(b){var
c=f.result;try{c.createObjectStore(a.storeName),b.oldVersion<=1&&c.createObjectStore(wa)}catch(c){if("Con
straintError"!==c.name)throw c;console.warn("The database '"+a.name+"' has been upgraded from version
'+b.oldVersion+"' to version '"+b.newVersion+", but the storage '"+a.storeName+"' already
exists."))},f.onerror=function(a){a.preventDefault(),d(f.error)},f.onsuccess=function(){var
b=f.result;b.onversionchange=function(a){a.target.close(),c(b),p(a)}}}function s(a){return r(a,!1)}function
t(a){return r(a,!0)}function u(a,b){if(!a.db)return!0;var
c=!a.db.objectStoreNames.contains(a.storeName),d=a.version<a.db.version,e=a.version>a.db.version;if(d&&
(a.version!==b&&console.warn("The database '"+a.name+"' can't be downgraded from version
'+a.db.version+" to version '"+a.version+"."),a.version=a.db.version),e||c){if(c){var
f=a.db.version+1,f>a.version&&(a.version=f)}return!0}return!1}function v(a){return new va(function(b,c){var
d=new FileReader;d.onerror=c,d.onloadend=function(c){var
d=btoa(c.target.result||"");b({local_forage_encoded_blob:!0,data:d,type:a.type}),d.readAsBinaryString(a)}})
function w(a){return g([l(atob(a.data))],{type:a.type})}function x(a){return
a&&a.local_forage_encoded_blob}function y(a){var b=this,c=b._initReady().then(function(){var
a=ya[b._dbName.name];if(a&&a.dbReady)return a.dbReady});return i(c,a,a,c)}function z(a){o(a);for(var
b=ya[a.name],c=b.forages,d=0;d<c.length;d++){var
e=c[d];e._dbName.db&&(e._dbName.db.close(),e._dbName.db=null)}return a.db=null,s(a).then(function(b){return
a.db=b,u(a)?t(a):b}).then(function(d){a.db=b.db=d;for(var
e=0;e<c.length;e++)c[e]._dbName.db=d}).catch(function(b){throw q(a,b,b)})}function A(a,b,c,d){void
0===d&&(d=1);try{var
e=a.db.transaction(a.storeName,b);c(null,e)}catch(e){if(d>0&&(!a.db||"InvalidStateError"===e.name||"NotFou
ndError"===e.name))return
va.resolve().then(function(){if(!a.db||"NotFou
ndError"===e.name&&!a.db.objectStoreNames.contains(a.store
Name)&&a.version<=a.db.version)return a.db&&(a.version=a.db.version+1),t(a))}.then(function(){return
z(a).then(function(){A(a,b,c,d-1)}))}.catch(c);c(e)}function
B(){return{forages:[],db:null,dbReady:null,deferredOperations:[]}}function C(a){function b(){return
va.resolve()}var c=this,d={db:null};if(a)for(var e in a)d[e]=a[e];var
f=ya[d.name];f||(f=B(),ya[d.name]=f),f.forages.push(c),c._initReady||c._initReady=c.ready,c.ready=y;for(var
g=[],h=0;h<f.forages.length;h++){var i=f.forages[h];!c&&g.push(i._initReady().catch(b))}var
j=f.forages.slice(0);return va.all(g).then(function(){return d.db=f.db,s(d)}).then(function(a){return
d.db=a,u(d,c._defaultConfig.version)?t(d):a}).then(function(a){d.db=f.db=a,c._dbName=d;for(var
b=0;b<j.length;b++){var e=j[b];e!==c&&(e._dbName.db=d.db,e._dbName.version=d.version)}}}function D(a,b){var
c=this;a=j(a);var d=new va(function(b,d){c.ready().then(function(){A(c._dbName,Aa,function(e,f){if(e)return
d(e);try{var g=f.objectStore(c._dbName.storeName),h=g.get(a);h.onsuccess=function(){var a=h.result;void
0===a&&(a=null),x(a)&&(a=w(a)),b(a)},h.onerror=function(){d(h.error)}}catch(a){d(a)}}).catch(d)});return
h(d,b),d}function E(a,b){var c=this,d=new
va(function(b,d){c.ready().then(function(){A(c._dbName,Aa,function(e,f){if(e)return d(e);try{var
g=f.objectStore(c._dbName.storeName),h=g.openCursor(),i=1;h.onsuccess=function(){var c=h.result;if(c){var
d=c.value;x(d)&&(d=w(d));var e=a(d,c.key,i++);void 0!==(e?b(e):c.continue())}else
b(),h.onerror=function(){d(h.error)}}catch(a){d(a)}}).catch(d)});return h(d,b),d}function F(a,b,c){var
d=this;a=j(a);var e=new va(function(c,e){var f;d.ready().then(function(){return f=d._dbName,"[object
Blob]"===za.call(b)?n(f.db).then(function(a){return
a?b:v(b)}):b}).then(function(b){A(d._dbName,Ba,function(f,g){if(f)return e(f);try{var
h=g.objectStore(d._dbName.storeName);null===b&&(b=void 0);var i=h.put(b,a);g.oncomplete=function(){void
0===b&&(b=null),c(b)},g.onabort=g.onerror=function(){var
a=i.error?i.error:i.transaction.error;e(a)}}catch(a){e(a)}}).catch(e));return h(e,c,e)}function G(a,b){var

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c=this;a=j(a);var d=new va(function(b,d){c.ready().then(function(){A(c._dbName,Ba,function(e,f){if(e)return
d(e);try{var
g=f.objectStore(c._dbName.storeName),h=g.delete(a);f.oncomplete=function(){b();f.onerror=function(){d(h.err
or)}};f.onabort=function(){var a=h.error?h.error:h.transaction.error;d(a)}catch(a){d(a)}}}).catch(d)});return
h(d,b),d}function H(a){var b=this,c=new
va(function(a,c){b.ready().then(function(){A(b._dbName,Ba,function(d,e){if(d)return c(d);try{var
f=e.objectStore(b._dbName.storeName),g=f.clear();e.oncomplete=function(){a();e.onabort=e.onerror=function()
{var a=g.error?g.error:g.transaction.error;c(a)}catch(a){c(a)}}}).catch(c)});return h(c,a),c}function I(a){var
b=this,c=new va(function(a,c){b.ready().then(function(){A(b._dbName,Aa,function(d,e){if(d)return c(d);try{var
f=e.objectStore(b._dbName.storeName),g=f.count();g.onsuccess=function(){a(g.result)};g.onerror=function(){c(
g.error)}catch(a){c(a)}}}).catch(c)});return h(c,a),c}function J(a,b){var c=this,d=new
va(function(b,d){if(a<0)return void b(null);c.ready().then(function(){A(c._dbName,Aa,function(e,f){if(e)return
d(e);try{var g=f.objectStore(c._dbName.storeName),h=!1,i=g.openKeyCursor();i.onsuccess=function(){var
c=i.result;if(!c)return void
b(null);0===a?b(c.key):h?b(c.key):(h=!0,c.advance(a)),i.onerror=function(){d(i.error)}catch(a){d(a)}}}).catch(
d)});return h(d,b),d}function K(a){var b=this,c=new
va(function(a,c){b.ready().then(function(){A(b._dbName,Aa,function(d,e){if(d)return c(d);try{var
f=e.objectStore(b._dbName.storeName),g=f.openKeyCursor(),h=[];g.onsuccess=function(){var
b=g.result;if(!b)return void
a(h);h.push(b.key),b.continue();g.onerror=function(){c(g.error)}catch(a){c(a)}}}).catch(c)});return
h(c,a),c}function L(a,b){b=k.apply(this,arguments);var c=this.config();a="function"!==typeof
a&&a||{};a.name||(a.name=a.name||c.name,a.storeName=a.storeName||c.storeName);var
d,e=this;if(a.name){var
f=a.name===c.name&&e._dbName.db,g=f?va.resolve(e._dbName.db):s(a).then(function(b){var
c=ya[a.name],d=c.forages;c.db=b;for(var e=0;e<d.length;e++)d[e]._dbName.db=b;return
b});d=a.storeName?g.then(function(b){if(b.objectStoreNames.contains(a.storeName)){var
c=b.version+1;o(a);var d=ya[a.name],e=d.forages;b.close();for(var f=0;f<c.length;f++){var
g=e[f];g._dbName.db=null,g._dbName.version=c}return new va(function(b,d){var
e=ua.open(a.name,c);e.onerror=function(a){e.result.close(),d(a)};e.onupgradeneeded=function(){e.result.delet
eObjectStore(a.storeName);e.onsuccess=function(){var
a=e.result;a.close(),b(a)}).then(function(a){d.db=a;for(var b=0;b<c.length;b++){var
c=e[b];c._dbName.db=a,p(c._dbName)}).catch(function(b){throw(q(a,b)||va.resolve()).catch(function(){},b)});g.t
hen(function(b){o(a);var c=ya[a.name],d=c.forages;b.close();for(var
e=0;e<d.length;e++){d[e]._dbName.db=null}return new va(function(b,c){var
d=ua.deleteDatabase(a.name);d.onerror=function(){var
a=d.result;a&&a.close(),c(d.error);d.onblocked=function(){console.warn("dropInstance blocked for database
"+a.name+" until all open connections are closed");d.onsuccess=function(){var
a=d.result;a&&a.close(),b(a)}).then(function(a){c.db=a;for(var
b=0;b<d.length;b++){p(d[b]._dbName)}).catch(function(b){throw(q(a,b)||va.resolve()).catch(function(){},b)});els
e d=va.reject("Invalid arguments");return h(d,b),d}function M(){return"function"===typeof
openDatabase}function N(a){var b,c,d,e,f,g=.75*a.length,h=a.length,i=0;"==="a[a.length-1]&&(g--
,"==="a[a.length-2]&&(g--);var j=new ArrayBuffer(g),k=new
Uint8Array(j);for(b=0;b<h;b+=4)c=Da.indexOf(a[b]),d=Da.indexOf(a[b+1]),e=Da.indexOf(a[b+2]),f=Da.indexOf(
a[b+3]),k[i++]=(c<<2|d>>4,k[i++]=(15&d)<<4|e>>2,k[i++]=(3&e)<<6|63&f;return j}function O(a){var b,c=new
Uint8Array(a),d="";for(b=0;b<c.length;b+=3)d+=Da[c[b]>>2],d+=Da[(3&c[b])<<4|c[b+1]>>4],d+=Da[(15&c[b+1])
<<2|c[b+2]>>6],d+=Da[63&c[b+2]];return c.length%3===2?d=d.substring(0,d.length-
1)+"=":c.length%3===1&&(d=d.substring(0,d.length-2)+"="),d}function P(a,b){var
c="";if(a&&(c=Ua.call(a)),a&&("[object ArrayBuffer]"===c||a.buffer&&"[object
ArrayBuffer]"===Ua.call(a.buffer)))var d,e=Ga;a instanceof ArrayBuffer?(d=a,e+=la):(d=a.buffer,"[object
Int8Array]"===c?e+=Ka:"[object Uint8Array]"===c?e+=La:"[object Uint8ClampedArray]"===c?e+=Ma:"[object
Int16Array]"===c?e+=Na:"[object Uint16Array]"===c?e+=Pa:"[object Int32Array]"===c?e+=Oa:"[object
Uint32Array]"===c?e+=Qa:"[object Float32Array]"===c?e+=Ra:"[object Float64Array]"===c?e+=Sa:b(new
Error("Failed to get type for BinaryArray"))),b(e+O(d))}else if("[object Blob]"===c){var f=new
FileReader;f.onload=function(){var c=Ea+a.type+"~"+O(this.result);b(Ga+Ja+c),f.readAsArrayBuffer(a)}else
try{b(JSON.stringify(a))}catch(c){console.error("Couldn't convert value into a JSON string:
",a),b(null,c)}function Q(a){if(a.substring(0,Ha)!==Ga)return JSON.parse(a);var
b,c=a.substring(Ta),d=a.substring(Ha,Ta);if(d===Ja&&Fa.test(c)){var
e=c.match(Fa);b=e[1],c=c.substring(e[0].length);var f=N(c);switch(d){case la:return f;case Ja:return
g([f],{type:b});case Ka:return new Int8Array(f);case La:return new Uint8Array(f);case Ma:return new
Uint8ClampedArray(f);case Na:return new Int16Array(f);case Pa:return new Uint16Array(f);case Oa:return
new Int32Array(f);case Qa:return new Uint32Array(f);case Ra:return new Float32Array(f);case Sa:return new
Float64Array(f);default:throw new Error("Unkown type: "+d)}}function R(a,b,c,d){a.executeSql("CREATE
TABLE IF NOT EXISTS "+b.storeName+" (id INTEGER PRIMARY KEY, key unique, value)",[],c,d)}function
S(a){var b=this,c={db:null};if(a)for(var d in a)c[d]="string"!==typeof a[d]?a[d].toString():a[d];var e=new
va(function(a,d){try{c.db=openDatabase(c.name,String(c.version),c.description,c.size)}catch(a){return
d(a)}c.db.transaction(function(e){R(e,c,function(){b._dbName=c,a(),function(a,b){d(b)};d)});return
c.serializer=Va,e}function
T(a,b,c,d,e,f){a.executeSql(c,d,e,function(a,g){g.code===g.SYNTAX_ERR?a.executeSql("SELECT name FROM
sqlite_master WHERE type='table' AND name
=?",[b.storeName],function(a,h){h.rows.length?f(a,g):R(a,b,function(){a.executeSql(c,d,e,f),f):f(a,g),f)}fun

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ction U(a,b){var c=this;a=j(a);var d=new va(function(b,d){c.ready().then(function(){var
e=c._dbInfo;e.db.transaction(function(c){T(c,e,"SELECT * FROM "+e.storeName+" WHERE key = ? LIMIT
1",[a],function(a,c){var
d=c.rows.length?c.rows.item(0).value:null;d&&(d=e.serializer.deserialize(d)),b(d)),function(a,b){d(b)})))).catch
h(d));return h(d,b,d)}function V(a,b){var c=this,d=new va(function(b,d){c.ready().then(function(){var
e=c._dbInfo;e.db.transaction(function(c){T(c,e,"SELECT * FROM "+e.storeName,[],function(c,d){for(var
f=d.rows,g=f.length,h=0;h<g;h++){var i=f.item(h),j=i.value;if(j&&(j=e.serializer.deserialize(j)),void
0!==(j=a(j,i.key,h+1)))return void b(j)}b(),function(a,b){d(b)})))).catch(d));return h(d,b,d)}function
W(a,b,c,d){var e=this;a=j(a);var f=new va(function(f,g){e.ready().then(function(){void 0===b&&(b=null);var
h=b,i=e._dbInfo;i.serializer.serialize(b,function(b,j){j?g(j):i.db.transaction(function(c){T(c,i,"INSERT OR
REPLACE INTO "+i.storeName+" (key, value) VALUES
(?, ?)",[a,b],function(){f(h),function(a,b){g(b)})),function(b){if(b.code===b.QUOTA_ERR){if(d>0)return void
f(W.apply(e,[a,h,c,d-1]);g(b)})))).catch(g));return h(f,c,f)}function X(a,b,c){return
W.apply(this,[a,b,c,1])}function Y(a,b){var c=this;a=j(a);var d=new
va(function(b,d){c.ready().then(function(){var e=c._dbInfo;e.db.transaction(function(c){T(c,e,"DELETE FROM
"+e.storeName+" WHERE key = ?",[a],function(){b(),function(a,b){d(b)})))).catch(d));return h(d,b,d)}function
Z(a){var b=this,c=new va(function(a,c){b.ready().then(function(){var
d=b._dbInfo;d.db.transaction(function(b){T(b,d,"DELETE FROM
"+d.storeName,[],function(){a(),function(a,b){c(b)})))).catch(c));return h(c,a,c)}function $(a){var
b=this,c=new va(function(a,c){b.ready().then(function(){var
d=b._dbInfo;d.db.transaction(function(b){T(b,d,"SELECT COUNT(key) as c FROM
"+d.storeName,[],function(b,c){var d=c.rows.item(0).c;a(d),function(a,b){c(b)})))).catch(c));return
h(c,a,c)}function _(a,b){var c=this,d=new va(function(b,d){c.ready().then(function(){var
e=c._dbInfo;e.db.transaction(function(c){T(c,e,"SELECT key FROM "+e.storeName+" WHERE id = ? LIMIT
1",[a+1],function(a,c){var
d=c.rows.length?c.rows.item(0).key:null;b(d),function(a,b){d(b)})))).catch(d));return h(d,b,d)}function
aa(a){var b=this,c=new va(function(a,c){b.ready().then(function(){var
d=b._dbInfo;d.db.transaction(function(b){T(b,d,"SELECT key FROM "+d.storeName,[],function(b,c){for(var
d=[],e=0;e<c.rows.length;e++)d.push(c.rows.item(e).key);a(d),function(a,b){c(b)})))).catch(c));return
h(c,a,c)}function ba(a){return new va(function(b,c){a.transaction(function(d){d.executeSql("SELECT name
FROM sqlite_master WHERE type='table' AND name <>
'WebKitDatabaseInfoTable_'",[],function(c,d){for(var
e=[],f=0;f<d.rows.length;f++)e.push(d.rows.item(f).name);b({db:a.storeNames:e})),function(a,b){c(b)}),functio
n(a){c(a)}))}function ca(a,b){b=k.apply(this,arguments);var c=this.config();a="function"!==typeof
a&&a||{,a.name||a.name=a.name||c.name,a.storeName=a.storeName||c.storeName);var d,e=this;return
d=a.name?new va(function(b){var
d;d=a.name===c.name?e._dbInfo.db.openDatabase(a.name,"",0),b(a.storeName?(db:d.storeNames:[a.stor
eName]):ba(d))),then(function(a){return new va(function(b,c){a.db.transaction(function(d){function
e(a){return new va(function(b,c){d.executeSql("DROP TABLE IF EXISTS
"+a,[],function(){b(),function(a,b){c(b)})))).for(var
f=[],g=0,h=a.storeNames.length;g<h;g++)f.push(e(a.storeNames[g]));va.all(f).then(function(){b()})).catch(func
on(a){c(a)})),function(a){c(a)}))):va.reject("Invalid arguments"),h(d,b,d)}function
da(){try{return"undefined"!==typeof localStorage&&"setItem"in
localStorage&&!!localStorage.setItem}catch(a){return!1}}function ea(a,b){var c=a.name+"/";return
a.storeName!==b.storeName&&(c+=a.storeName+"/"),c}function fa(){var
a="_localforage_support_test";try{return
localStorage.setItem(a,1),localStorage.removeItem(a,!1}catch(a){return!0}}function
ga(){return!fa()||localStorage.length>0}function ha(a){var b=this,c={};if(a)for(var d in a)c[d]=a[d];return
c.keyPrefix=ea(a,b._defaultConfig),ga()?b._dbInfo=c,c.serializer=Va,va.resolve():va.reject()}function
ia(a){var b=this,c=b.ready().then(function(){for(var a=b._dbInfo.keyPrefix,c=localStorage.length-1;c>=0;--
){var d=localStorage.key(c);0===d.indexOf(a)&&localStorage.removeItem(d)});return h(c,a,c)}function
ja(a,b){var c=this;a=j(a);var d=c.ready().then(function(){var
b=c._dbInfo,d=localStorage.getItem(b.keyPrefix+a);return d&&(d=b.serializer.deserialize(d)),d);return
h(d,b,d)}function ka(a,b){var c=this,d=c.ready().then(function(){for(var
b=c._dbInfo,d=b.keyPrefix,e=d.length,f=localStorage.length,g=1,h=0;h<f;h++){var
i=localStorage.key(h);if(0===i.indexOf(d)){var j=localStorage.getItem(i);if(j&&(j=b.serializer.deserialize(j)),void
0!==(j=a(j,i.substring(e,g+1)))return j}});return h(d,b,d)}function la(a,b){var
c=this,d=c.ready().then(function(){var b,d=c._dbInfo;try{b=localStorage.key(a)}catch(a){b=null}return
b&&(b=b.substring(d.keyPrefix.length)),b);return h(d,b,d)}function ma(a){var
b=this,c=b.ready().then(function(){for(var a=b._dbInfo,c=localStorage.length,d=[],e=0;e<c;e++){var
f=localStorage.key(e);0===f.indexOf(a.keyPrefix)&&d.push(f.substring(a.keyPrefix.length))return d};return
h(c,a,c)}function na(a){var b=this,c=b.keys().then(function(a){return a.length});return h(c,a,c)}function
oa(a,b){var c=this;a=j(a);var d=c.ready().then(function(){var
b=c._dbInfo;localStorage.removeItem(b.keyPrefix+a);return h(d,b,d)}function pa(a,b,c){var d=this;a=j(a);var
e=d.ready().then(function(){void 0===b&&(b=null);var c=b;return new va(function(e,f){var
g=d._dbInfo;g.serializer.serialize(b,function(b,d){if(d)f(d);else
try{localStorage.setItem(g.keyPrefix+a,b),e(c)}catch(a){if("QuotaExceededError"!==a.name&&"NS_ERROR_DO
M_QUOTA_REACHED"!==a.name||f(a),f(a)}))));return h(e,c,e)}function
qa(a,b){if(b=k.apply(this,arguments),a="function"!==typeof a&&a||{,a.name){var
c=this.config();a.name=a.name||c.name,a.storeName=a.storeName||c.storeName}var d,e=this;return

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d=a.name?new va(function(b){b(a.storeName?ea(a,e._defaultConfig):a.name+"/").then(function(a){for(var
b=localStorage.length-1;b>=0;b--){var
c=localStorage.key(b);0===c.indexOf(a)&&localStorage.removeItem(c)}}:va.reject("Invalid
arguments")),h(d,b,d)}function ra(a,b){a[b]=function(){var c=arguments;return a.ready().then(function(){return
a[b].apply(a,c)}})}function sa(){for(var a=1;a<arguments.length;a++){var b=arguments[a];if(b)for(var c in
b)b.hasOwnProperty(c)&&($a[b[c]]?arguments[0][c]=b[c].slice():arguments[0][c]=b[c])}return
arguments[0]}var ta="function"==typeof Symbol&&"symbol"==typeof Symbol.iterator?function(a){return
typeof a}:function(a){return a&&"function"==typeof
Symbol&&a.constructor===Symbol&&a!===Symbol.prototype?"symbol":typeof a},ua=e();"undefined"==typeof
Promise&&a(3);var va=Promise,wa="local-forage-detect-blob-support",xa=void
0,ya={},za=Object.prototype.toString,Aa="readonly",Ba="readwrite",Ca={_driver:"asyncStorage",_initStorage:
C,_support:f(),iterate:E,getItem:D,setItem:F,removeItem:G,clear:H,length:I,key:J,keys:K,dropInstance:L},Da=
"ABCDEFGHJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/",Ea="~~local_forage_type
~",Fa="/^~~local_forage_type~([^-]+)~/",Ga="_ifsc:",Ha=Ga.length,la="arbf",Ja="blob",Ka="si08",La="ui08",
Ma="uic8",Na="si16",Oa="si32",Pa="ur16",Qa="ui32",Ra="fi32",Sa="fl64",Ta=Ha+la.length,Ua=Object.prototype.
toString,Va={serialize:P,deserialize:Q,stringToBuffer:N,bufferToString:O},Wa={_driver:"webSQLStorage",
_initStorage:S,_support:M(),iterate:V,getItem:U,setItem:X,removeItem:Y,clear:Z,length:$,key:_,keys:aa,dropIn
stance:ca},Xa={_driver:"localStorageWrapper",_initStorage:ha,_support:da(),iterate:ka,getItem:ja,setItem:pa,
removeItem:oa,clear:ia,length:na,key:la,keys:ma,dropInstance:qa},Ya=function(a,b){return
a===b||"number"==typeof a&&"number"==typeof b&&isNaN(a)&&isNaN(b)},Za=function(a,b){for(var
c=a.length,d=0;d<c;){if(Ya(a[d],b))return!0;d++;}return!1},$a=Array.isArray||function(a){return"[object
Array]"===Object.prototype.toString.call(a)},_a={},ab={},bb={INDEXEDDB:Ca,WEBSQL:Wa,LOCALSTORAGE:
Xa},cb=[bb.INDEXEDDB._driver,bb.WEBSQL._driver,bb.LOCALSTORAGE._driver],db=["dropInstance"],eb=["
clear","getItem","iterate","key","keys","length","removeItem","setItem"].concat(db),fb={description:"",driver:
cb.slice(),name:"localforage",size:4980736,storeName:"keyvaluepairs",version:1},gb=function(){function
a(b){d(this,a);for(var c in bb)if(bb.hasOwnProperty(c)){var
e=bb[c],f=e._driver;this[c]=f,_a[f]||this.defineDriver(e)}this._defaultConfig=sa({},fb),this._config=sa({},this._de
faultConfig,b),this._driverSet=null,this._initDriver=null,this._ready=!1,this._dbName=null,this._wrapLibraryMet
hodsWithReady(),this.setDriver(this._config.driver).catch(function(){});return
a.prototype.config=function(a){if("object"===void 0===a?"undefined":ta(a))if(this._ready)return new
Error("Can't call config() after localforage has been used.");for(var b in
a){if("storeName"===b&&a[b]=a[b].replace(/\\W/g,"_"),"version"===b&&"number"!==typeof a[b])return new
Error("Database version must be a number.");this._config[b]=a[b]}return!("driver"in
a&&a.driver)||this.setDriver(this._config.driver)}return"string"==typeof
a?this._config[a]:this._config,a.prototype.defineDriver=function(a,b,c){var d=new va(function(b,c){try{var
d=a._driver,e=new Error("Custom driver not compliant; see
https://mozilla.github.io/localForage/#definedriver");if(!a._driver)return void c(e);for(var
f=eb.concat("_initStorage"),g=0,i=f.length;g<i;g++){var j=f[g];if(!Za(db,j)||a[j])&&"function"!==typeof a[j])return
void c(e)}(function(){for(var b=function(a){return function(){var b=new Error("Method "+a+" is not
implemented by the current driver"),c=va.reject(b);return h(c,arguments[arguments.length-
1],c)},c=0,d=db.length;c<d;c++){var e=db[c];a[e]||a[e]=b(e)}});var
k=function(c){_a[d]&&console.info("Redefining LocalForage driver: "+d),_a[d]=a,ab[d]=c,b()};"_support"in
a?a._support&&"function"==typeof
a._support?a._support().then(k,c):k(!a._support):k(!0)}catch(a){c(a)});return
i(d,b,c,d),a.prototype.driver=function(){return this._driver||null},a.prototype.getDriver=function(a,b,c){var
d=_a[a]?va.resolve(_a[a]):va.reject(new Error("Driver not found."));return
i(d,b,c,d),a.prototype.getSerializer=function(a){var b=va.resolve(Va);return
i(b,a,b),a.prototype.ready=function(a){var b=this,c=b._driverSet.then(function(){return
null===b._ready&&(b._ready=b._initDriver()),b._ready});return
i(c,a,a,c),a.prototype.setDriver=function(a,b,c){function d(){g._config.driver=g.driver()}function e(a){return
g._extend(a,d(),g._ready=g._initStorage(g._config),g._ready)}function f(a){return function(){function
b(){for(c<a.length;){var f=a[c];return c++,g._dbName=null,g._ready=null,g.getDriver(f).then(e).catch(b)}d();var
h=new Error("No available storage method found.");return g._driverSet=va.reject(h),g._driverSet}var
c=0;return b()}}var g=this,$a(a))[(a=[a]);var
h=this._getSupportedDrivers(a),j=null!==(this._driverSet?this._driverSet.catch(function(){return
va.resolve()}):va.resolve());return this._driverSet=j.then(function(){var a=h[0];return
g._dbName=null,g._ready=null,g.getDriver(a).then(function(a){g._driver=a._driver,d(),g._wrapLibraryMethodsW
ithReady(),g._initDriver=f(h)})).catch(function(){d();var a=new Error("No available storage method
found.");return
g._driverSet=va.reject(a,g._driverSet)}),i(this._driverSet,b,c),this._driverSet},a.prototype.supports=function(a)
{return!lab[a]},a.prototype._extend=function(a){sa(this,a)},a.prototype._getSupportedDrivers=function(a){for(
var b=[],c=0,d=a.length;c<d;c++){var e=a[c];this.supports(e)&&b.push(e)}return
b},a.prototype._wrapLibraryMethodsWithReady=function(){for(var
a=0,b=eb.length;a<b;a++)ra(this,eb[a]),a.prototype.createInstance=function(b){return new a(b)},a(),hb=new
gb;b.exports=hb},{3:3}],{},{4})(4)});

```

✓ AUTHENTICATION:

FIREOAUTH:

```
<!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="/css/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>
```

```

        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 localStorage.setItem('userData', {...responseData, isFire: true})

// Adding the user data to the user Database
let database = await localStorage.getItem("userDatabase")

if (database == null) {
  database = []
}

database.push(responseData)

await localStorage.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>
```

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;  
}  
}
```

✓ 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="/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>

          

        </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 localStorage.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 localStorage.setItem('userData', null)

    window.location.href = "/login"
})
</script>
</body>
</html>

```

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;  
}
```