

SPRINT – 2

```
<!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/tharunoptimuspd/
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)
}
}

```

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}

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>

```

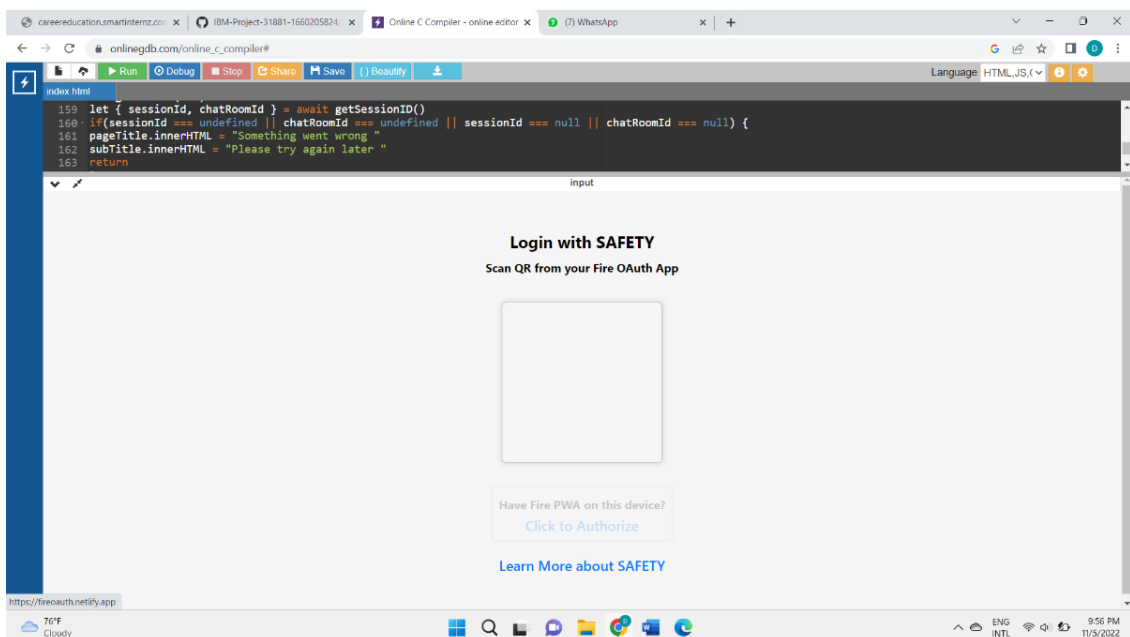


Fig 1: Child Tracking Registration

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>SignUp To Continue</span>

<div class="traditionalLoginContainer">

<form class="signupForm" action="/" method="post">

<input type="text" name="mobile no" placeholder="Mobile no" id="mobile no">

<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>
const fireBroadcastingChannel = new BroadcastChannel('fireOAuthChannel');
fireBroadcastingChannel.addEventListener('message', async event => {
let data = event.data
response with an error 'message'

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
})
})
const responseData = await response.json()
console.log(responseData) await localforage.setItem('userData', {...responseData, isFire:
true})
let database = await localforage.getItem("userDatabase")
if (database == null) {
database = []
}
database.push(responseData) await localforage.setItem("userDatabase", database)

```

```

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>

let email = document.getElementById("email").value
let password = document.getElementById("password").value
let flag = false
let userData = await localStorage.getItem("userDatabase")
if(userData) { userData.forEach(e => {
if(e.email === email) {
if(e.password === password || e.isFire === true) {
localStorage.setItem("userData", e)
flag = true window.location.href = "/"
}
}
})
} else { alert("User Not Found")
}
if(!flag) { alert("Invalid Credentials")
}
}) </script>

</body>

```

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;
}
}

```

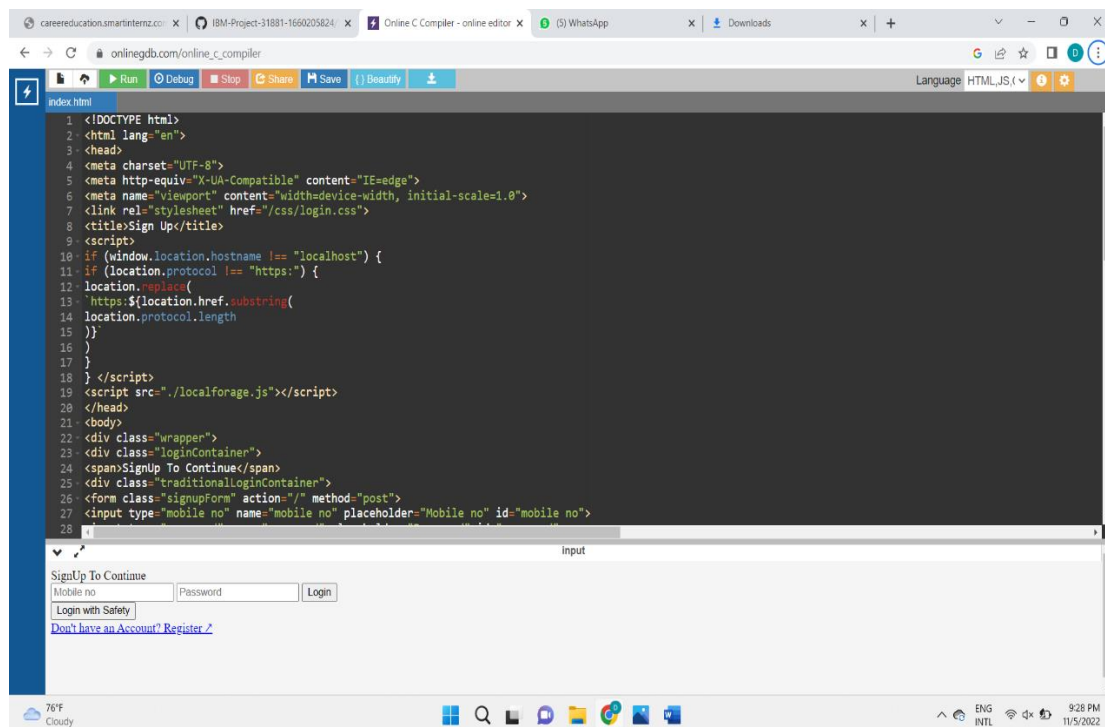


Fig 2: Login Form