

Project Development - Delivery Of Sprint-4

Date	14 November 2022
Team ID	PNT2022TMID39165
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

WEB USER INTERFACE

FIREOUTH.HTML

HTML,CSS AND JS CODE:

```
<!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=GHSAT0AAAAAABR46
```

```
HVJ5M5L3QGFRZRQXOISYUJUWAA" 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(lo
                    cation.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">LearnMore about SAFETY</a>
    </div>
  </div>
  <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0
/nprogress.min.js"></script>
  <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qri
ous.min.js"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/socket.io/4.2.0/soc
ket.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()

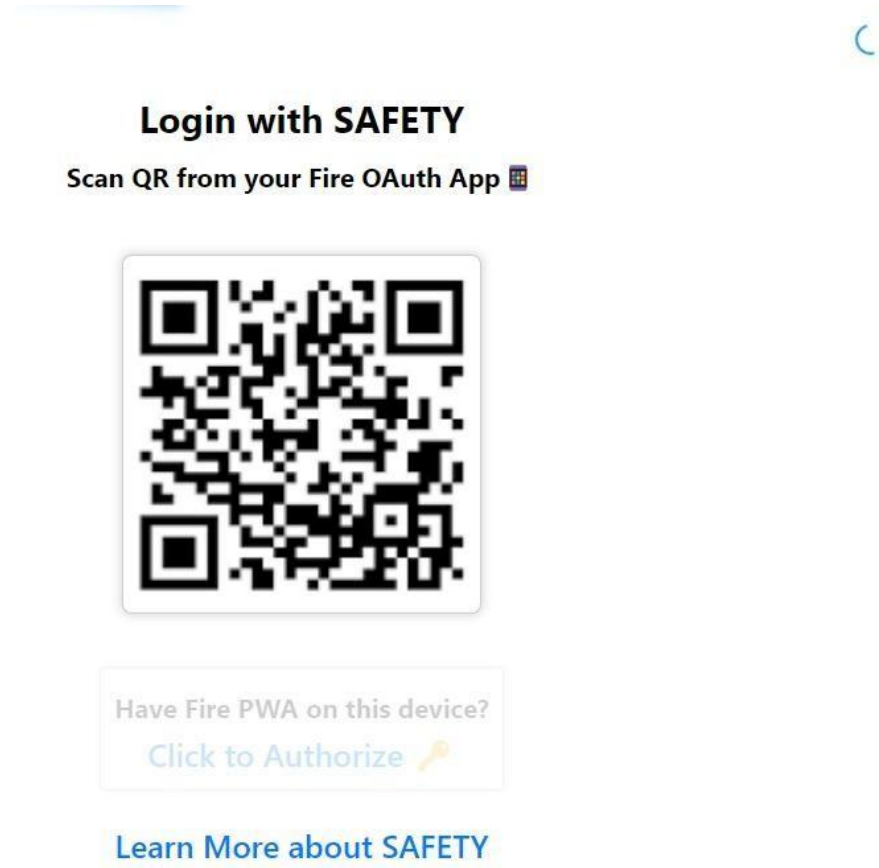
```

```

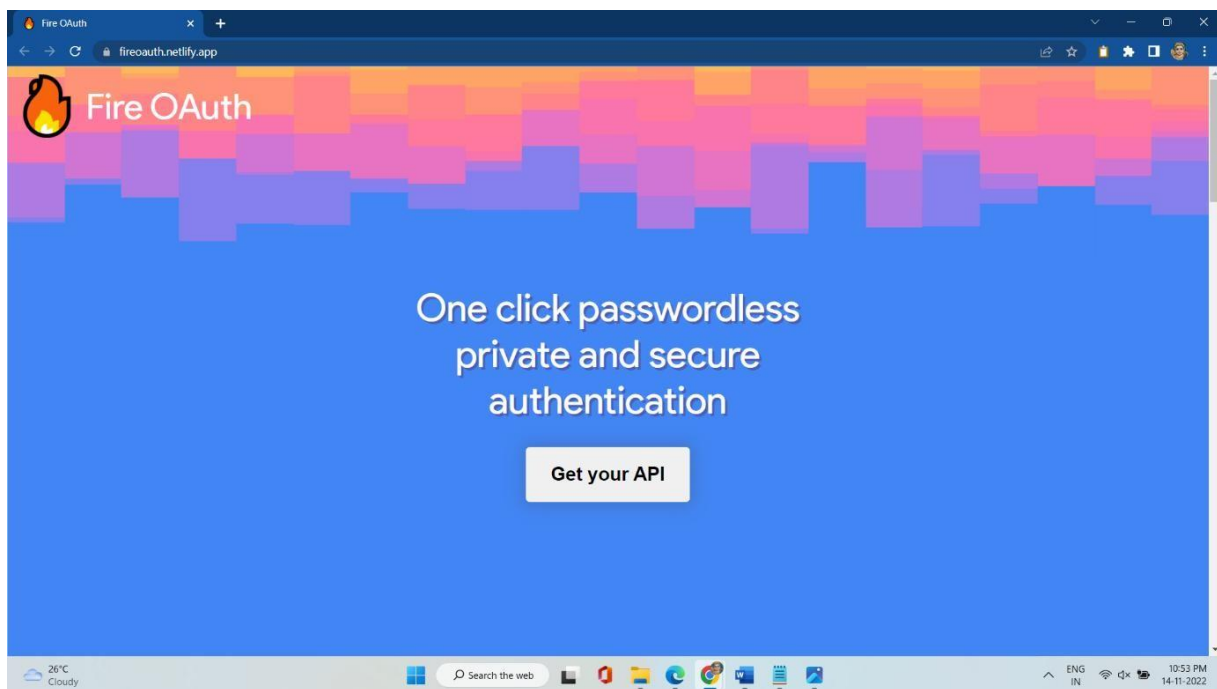
if(sessionId === undefined || chatRoomId === undefined || sessionId === null ||
chatRoomId === null) {
pageTitle.innerHTML = "Something went wrong"
    subTitle.innerHTML = "Please try again later "return
    }
    setOpacity("1")
    NProgress.done()let data = {
        sessionId,
        url: encodeURIComponent(window.location.origin)
    }
    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
    broadCastingChann
    el.postMessage(dat
    a)
    window.close()
    })
</script>
</body>
</html>

```

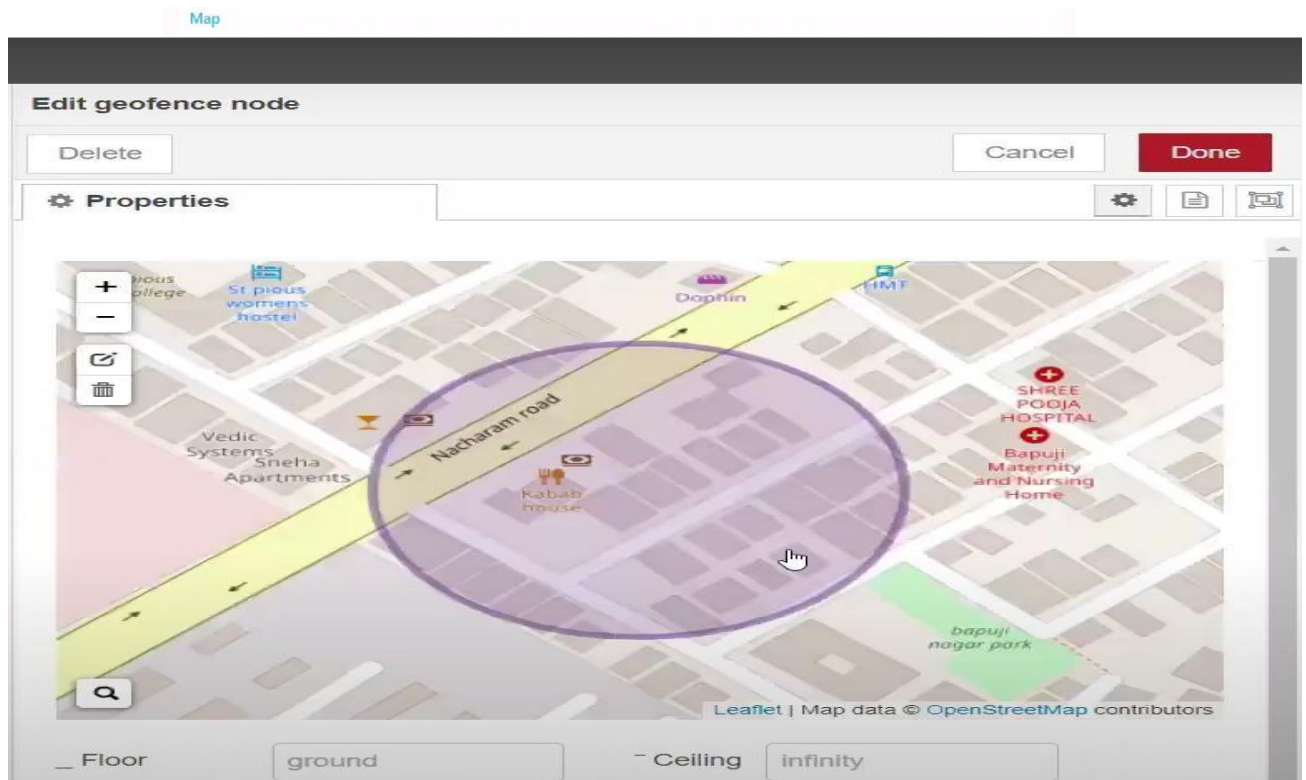
OUTPUT:



OUTPUT: After Clicking Learn More About Safety



GEOFENCE NODE:



LOCATION:

After running the script, the web UI shows “Child is not in the particular area”



RESULT: Successfully Completed.