Date	18 November 2022
Team ID	PNT2022TMID37031
Project Name	Project - IoT Based Safety Gadget For Child Safety Monitoring & Notification
Maximum Marks	2 Marks

SPRINT-4

WEB USER INTERFACE FIREOUTH.
HTML HTML,CSS AND JS CODE:

Login with SAFETY
Scan QR from your Fire OAuth App**8**
Have Fire PWA on this device?

Click to Authorize �

Learn More about SAFETY

CODE:
**<!DOCTY
PE 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/n
progress.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;
```

```css
}
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/n
    progress.min.js"></script>
    <script
    src="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qriou
```

```
s.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) {
```

```javascript
(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 =
`${firePwaUrlHostname}/authorize.html?sessionId=${session
Id}&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>
```
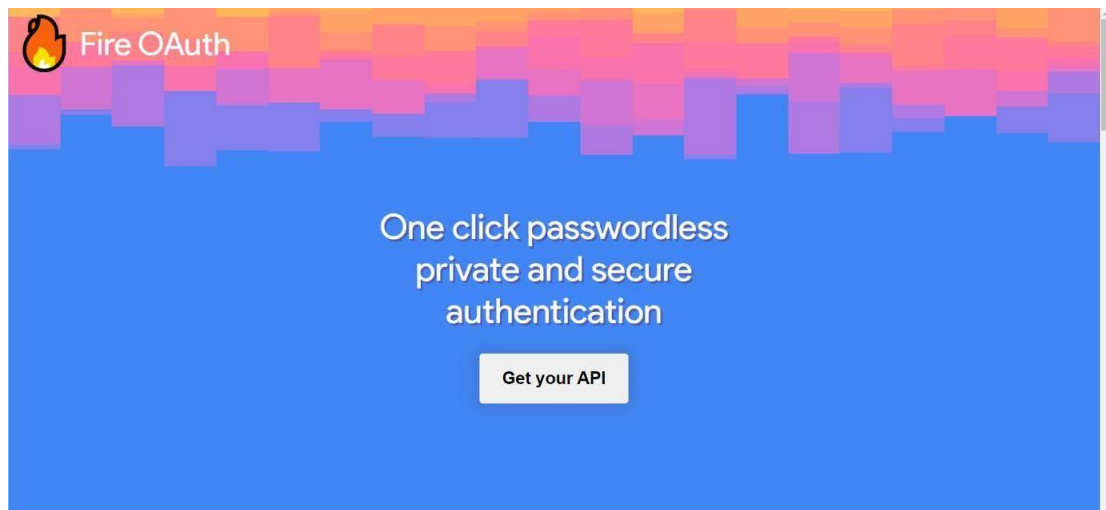
OUTPUT:

GEOFENCE NODE
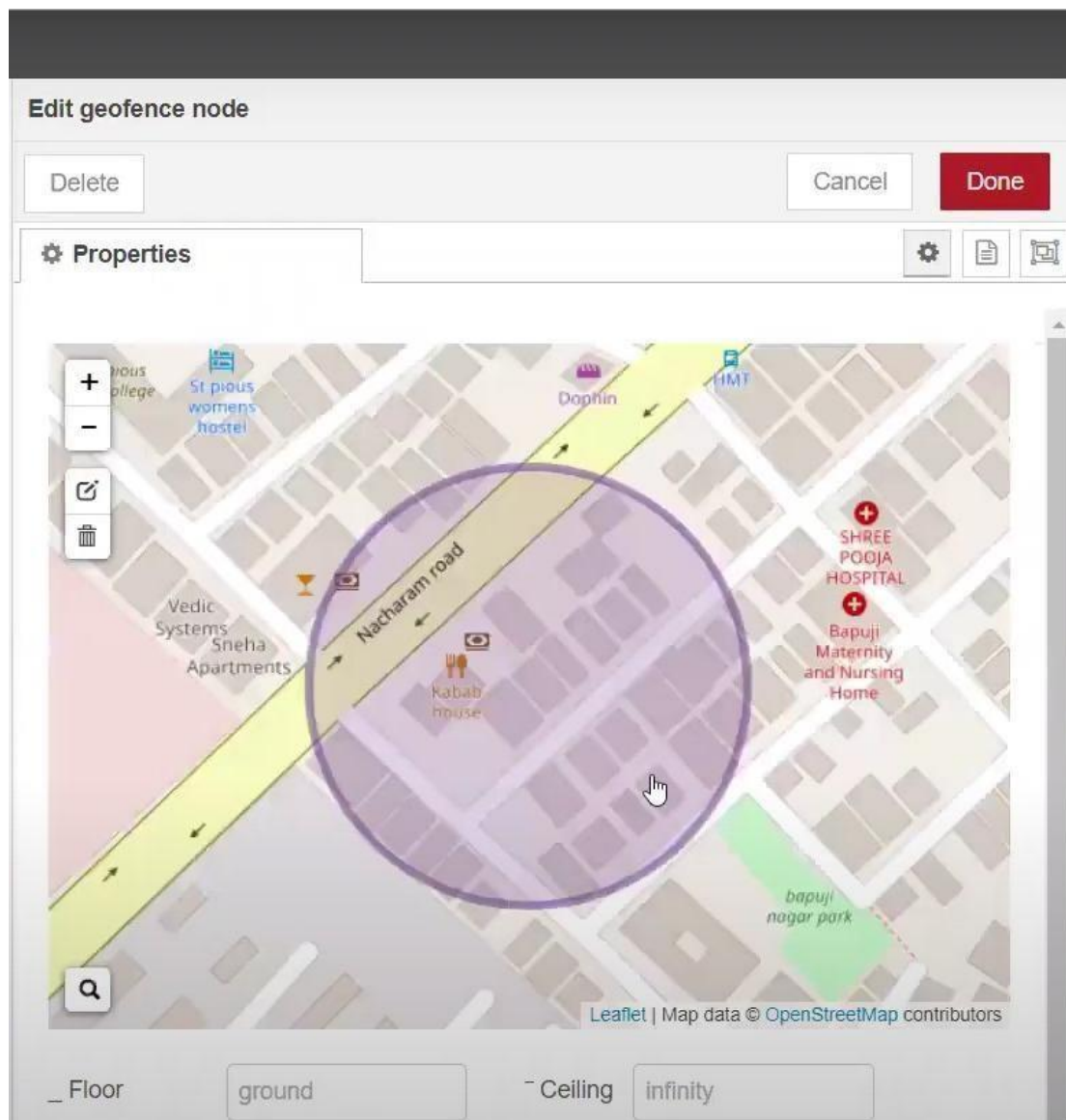
LOCATION:

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

Map

Leaflet | Tiles © Esri