

Project Development - Delivery Of Sprint-4

Team ID	PNT2022TMID51128
ProjectName	Project-IoT Based Safety Gadget ForChild Safety Monitoring &Notification

WEB USER INTERFACEFIREOUTH.HTML HTML,CSS AND JS CODE:

```
<!DOCTYPE
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/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(
                    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 OAuthApp</h4>
            <div class="qrContainer">
                <canvas id="qr-code" class="qrCode"></canvas>
            </div>
        </div>
    </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>
<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) {(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>

```

OUTPUT

Login with SAFETY
Scan QR from your Fire OAuth App 📱

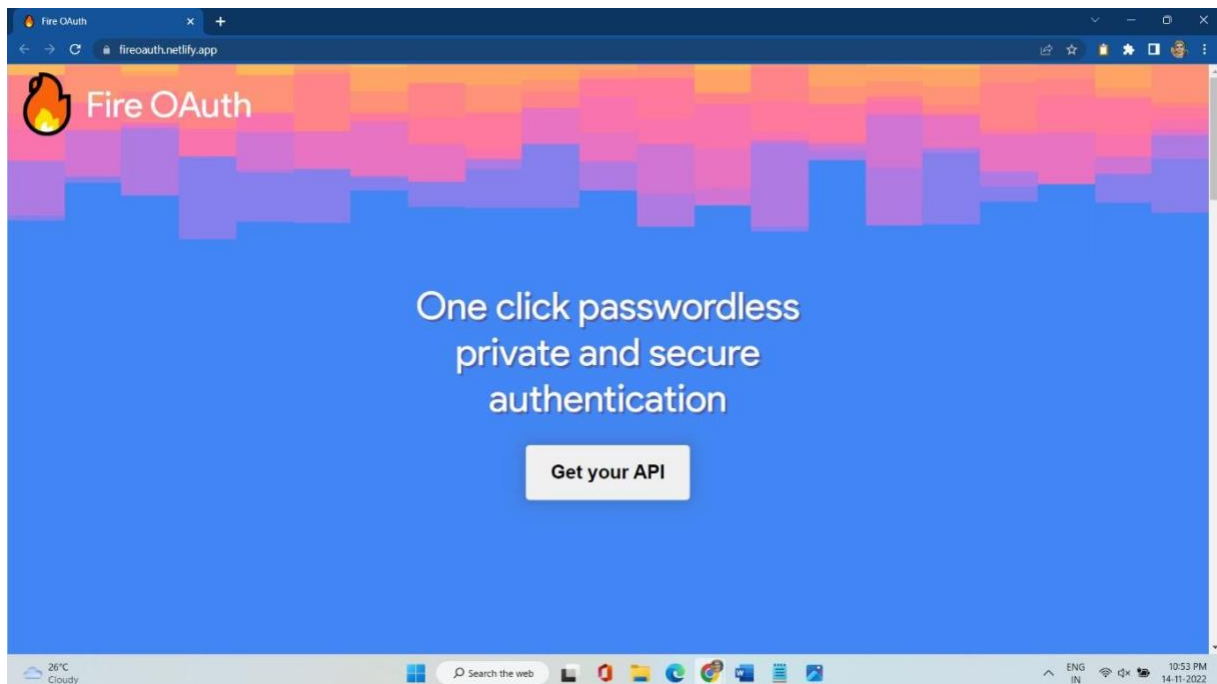


Have Fire PWA on this device?

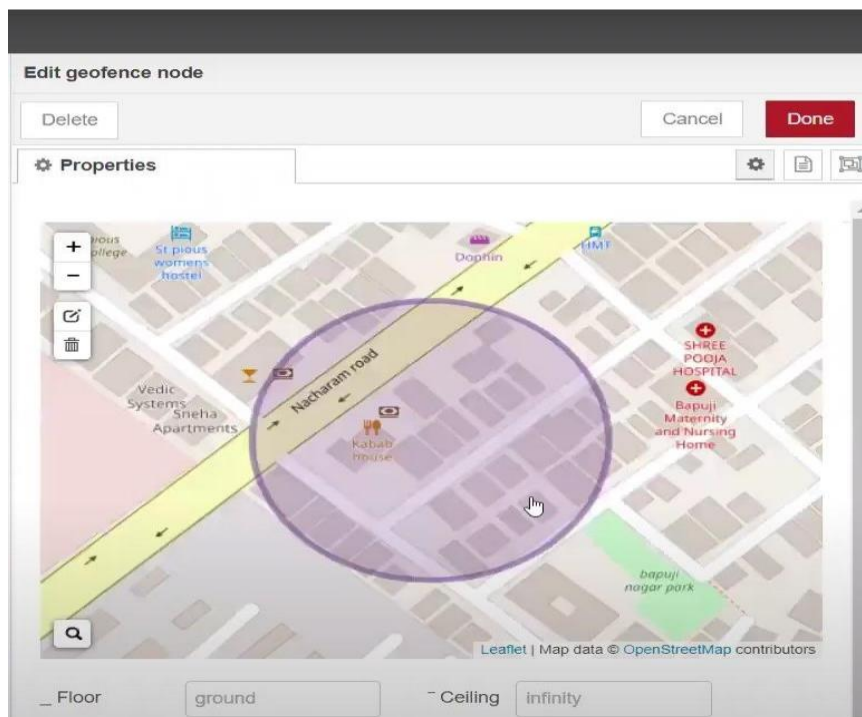
[Click to Authorize](#) 🔑

[Learn More about SAFETY](#)

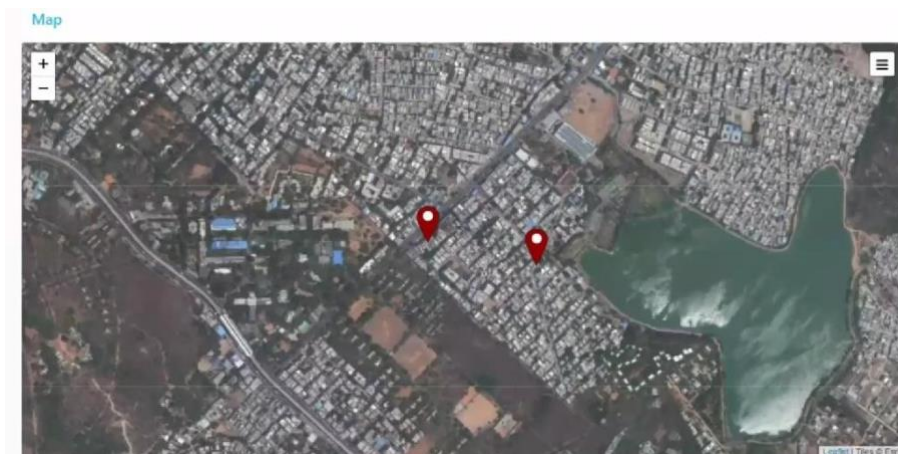
OUTPUT: AFTER CLICKING LEARN MORE ABOUT SAFETY



GEOFENCE NODE:



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



Result: successfully completed.