

ProjectDevelopment-DeliveryOfSprint-4

Date	14-11-2022
TeamID	PNT2022TMID26473
ProjectName	Project-IoT Based Safety Gadget ForChildSafetyMonitoring& Notification
MaximumMarks	

WEB USER

INTERFACEFIREOU

TH.HTML

HTML,CSSANDJSCODE:

<!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/np
rogress/0.2.0/nprogress.min.css">
  <link rel="shortcut
icon" href="https://raw.githubusercontent-
us-
pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR46
HVJ5M5L3QGFRZRQXOISYUJUWAA" type="image/x-
icon">
  <style>
    html,body
    {
      height:100%;
      margin:0;
      font-family: -apple-system,
BlinkMacSystemFont,"SegoeUI",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:0.3rem0;  
    }
```

```
    .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 03px0px#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>FireOAuth</title>
<script>
    if (window.location.hostname !== "localhost")
    {if(location.protocol!== "https:"){
    location.replace(
    `https:${location.href.substring(
    location.protocol.length
    )}`
    )
    }
    }
</script>

```

```

</head>
<body>
  <divclass="wrapper">
    <h3class="pageTitle">LoginwithSAFETY</h3>

    <divclass="qrAuthorize">
      <h4 class="subTitle">Scan QR from your Fire
OAuthApp</h4>

      <divclass="qrContainer">
        <canvasid="qr-code"class="qrcode"></canvas>
      </div>
    </div>

    <divclass="oneClickSignin">
      <h4>HaveFirePWAonthisdevice?</h4>
      <a target="_blank"
id="authorizeOverLink"href="https://firepwa.netlify.
app/authorize?sessionId"rel="noopener">ClicktoAu
thorize</a>
    </div>

    <divclass="learnAboutFire">
      <a
target="_blank"href="https://fireoauth.netlify.app"
rel="noopener">LearnMoreaboutSAFETY</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/qrious.min.js"></script>
  <scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/socket.io/4.
2.0/socket.io.js"></script>
  <script>

```

```

const FIRE_API_KEY =
"635b790a3bcc6b59c4b772d0"constFIRE_ENDPOINT
=
"https://fire.adaptable.app/api/apis/generate"
const CHANNEL_NAME =
"fireOAuthChannel"constbroadcastChannel
=new
BroadcastChannel(CHANNEL_NAME)
constFIRE_SERVER_SOCKET_ENDPOINT=
"https://fire.adaptable.app"
let socket =

io(FIRE_SERVER_SOCKET_ENDPOINT)letqr

let qrcode =
document.querySelector(".qrcode")letoneClickS
ignin=
document.querySelector(".oneClickSignin")
let pageTitle =
document.querySelector(".pageTitle")letsubTitle=do
cument.querySelector(".subTitle")

function setOpacity(opacity)
{oneClickSignin.style.opacity =
opacityoneClickSignin.style.pointerEvents=opacity==
=
"1"? "auto": "none"
qrcode.style.opacity=opacity
}

async function getSessionID()
{letresponse
try{
response =
awaitfetch(`${FIRE_ENDPOINT}/${FIRE_API_KEY}`,{
method:
"GET",headers:
{
"Content-Type": "application/json",
}
})
} catch (error)
{console.log(error

```

```
    )returnnull  
}
```

```

        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
        }),
        e,
        )))
    }

    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="Pleasetryagainlater"return  
}
```

```
setOpacity("1")
```

```
    NProgress.done()  
    letdata={  
        sessionId,  
        url:encodeURIComponent(window.location.origin)  
    }  
    data =  
    JSON.stringify(data)generateQR(data)  
    changeHREF({sessionId,  
    chatRoomId})socket.emit("joinroom",s  
    essionId)  
}
```

```
fire()
```

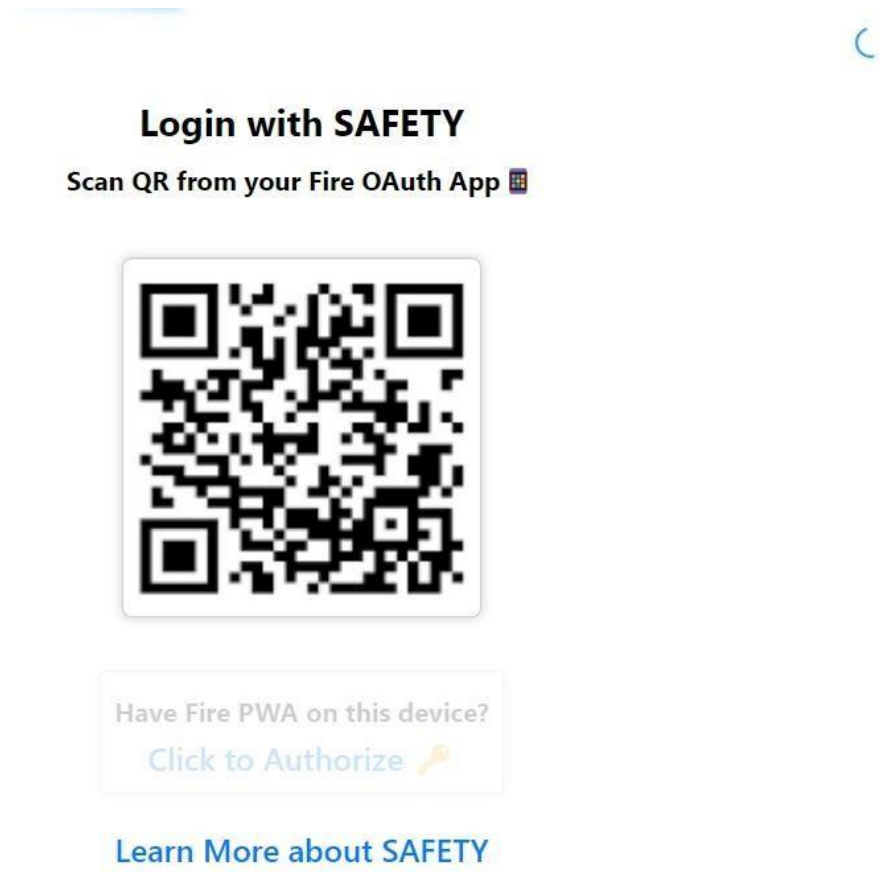
```
socket.on("trusted token", (token) =>
```

```
    {letdata={}  
    data.success =  
    truedata.token=to  
    ken
```

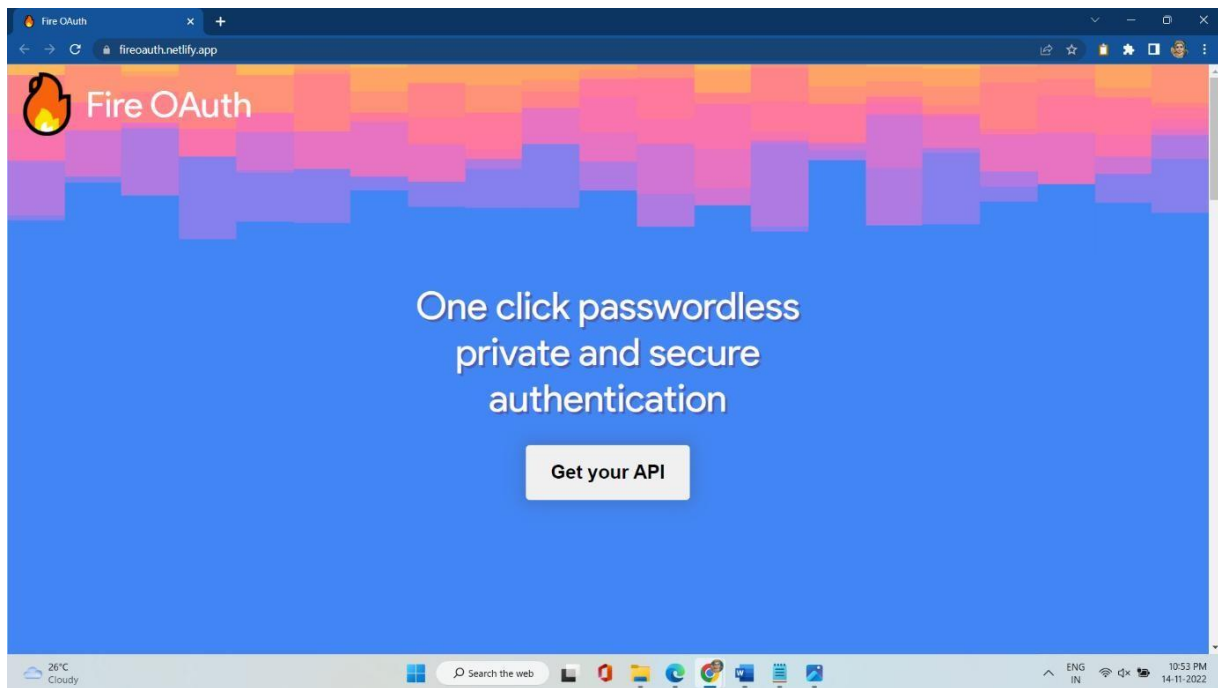
```
    broadCastingChannel.postMessage(data)
```

```
        window.close()  
    })  
</script>  
</body>  
</html>
```

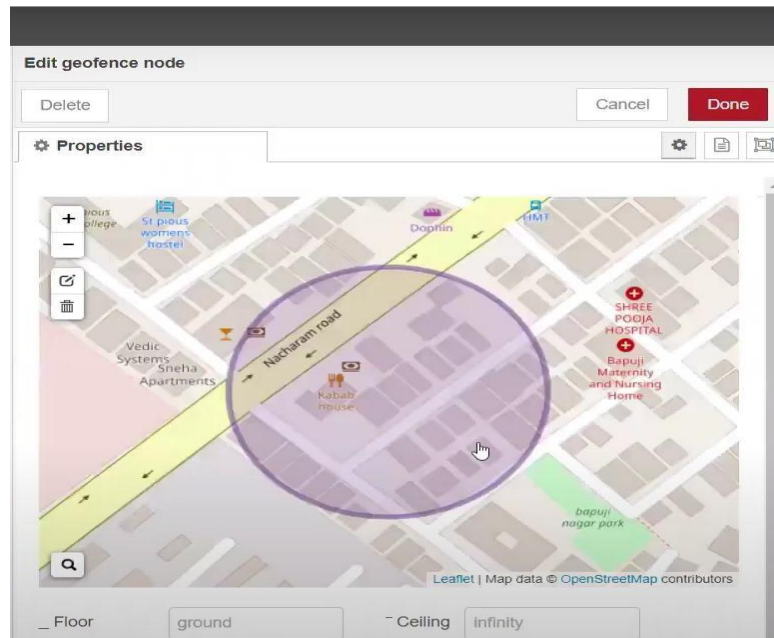

OUTPUT:



OUTPUT:AFTERCLICKINGLEARNMORE ABOUTSAFETY

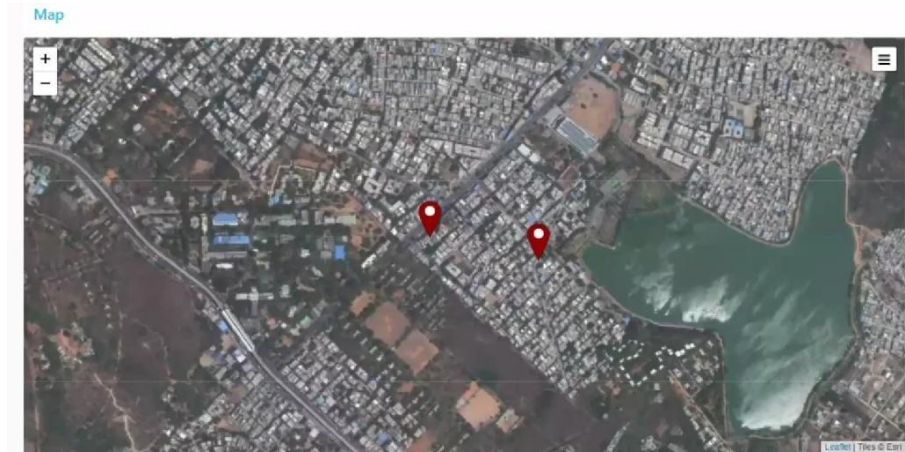


GEOFENCENODE:



LOCATION:

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



Result:successfullycompleted.