

ProjectDevelopment-DeliveryOfSprint-4

Date	14-11-2022
TeamID	PNT2022TMID19077
ProjectName	Project-IoT Based Safety Gadget ForChildSafetyMonitoring& Notification
MaximumMarks	

WEB USER INTERFACE FIREOUTH.

HTML ,CSS AND JS CODE:

```
<!DOCTYPE  
PEhtml>
```

```
<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/tharunopti  
mus-  
pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR4  
6HVJ5M5L3QGFRZRQXOISYUJUWAA" 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:200p
  x;
}
</style>
<title>FireOAuth</title>
<script>
  if (window.location.hostname !== "localhost")
    {if(location.protocol!== "https:"){
      location.replace(
        `https:${location.href.substrin
        g(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">ClicktoA
uthorize</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/nprogr
ess/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"const FIRE_ENDPOINT=
T=
"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 =
opacityoneClickSignin.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 =
  `${firePwaUrlHostname}/authorize.html?sessionId=${sessio
  nId}&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",  
    sessionId)  
}
```

```
fire()
```

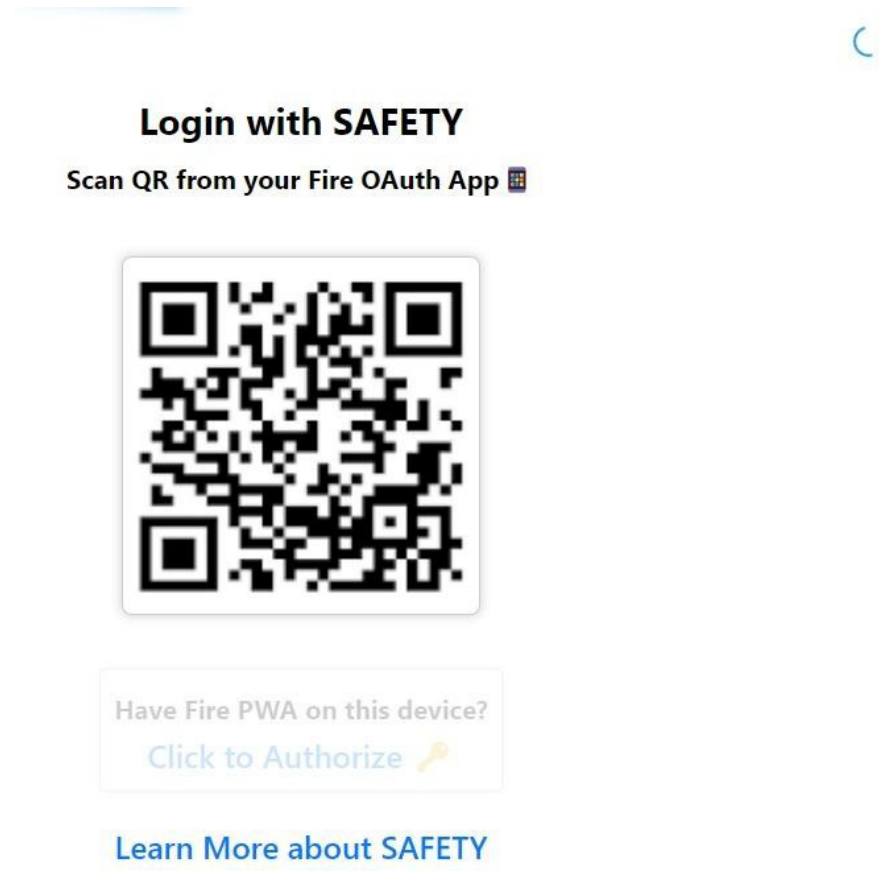
```
socket.on("trusted token", (token) =>
```

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

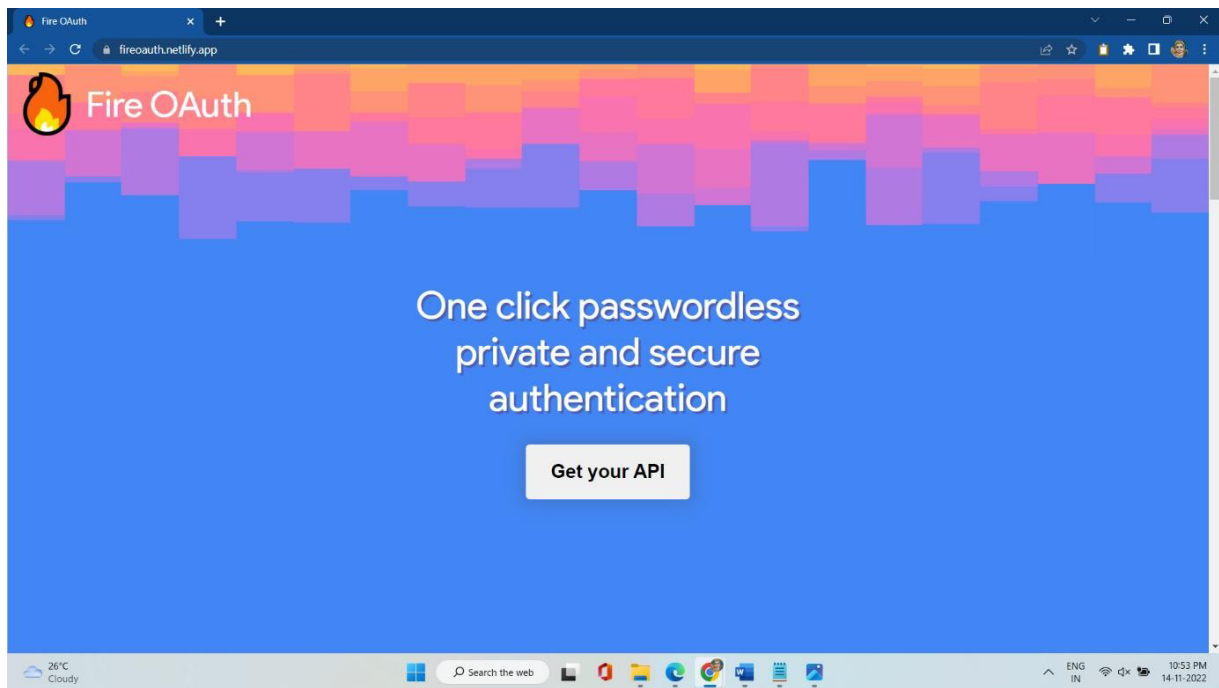
```
    broadCastingChannel.postMessage(data)
```

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

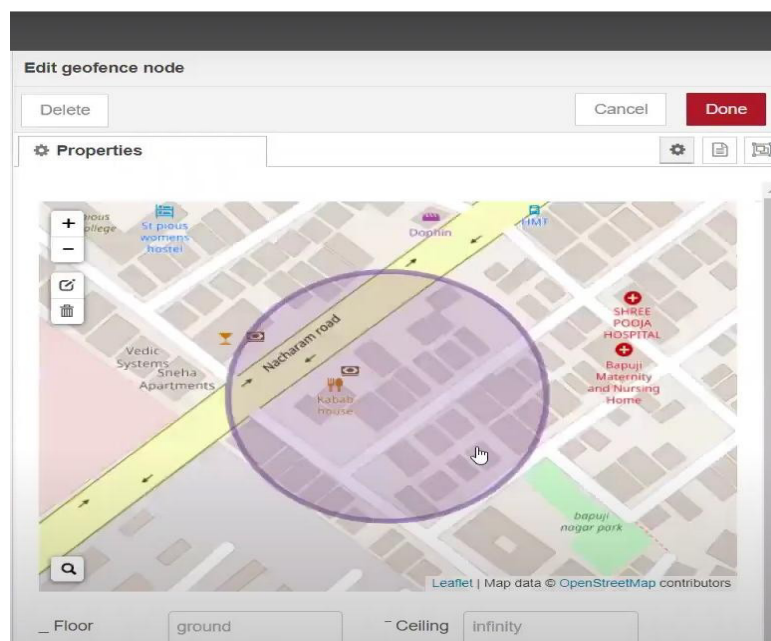

OUTPUT:



OUTPUT:AFTERCLICKINGLEARNMORE ABOUTSAFETY

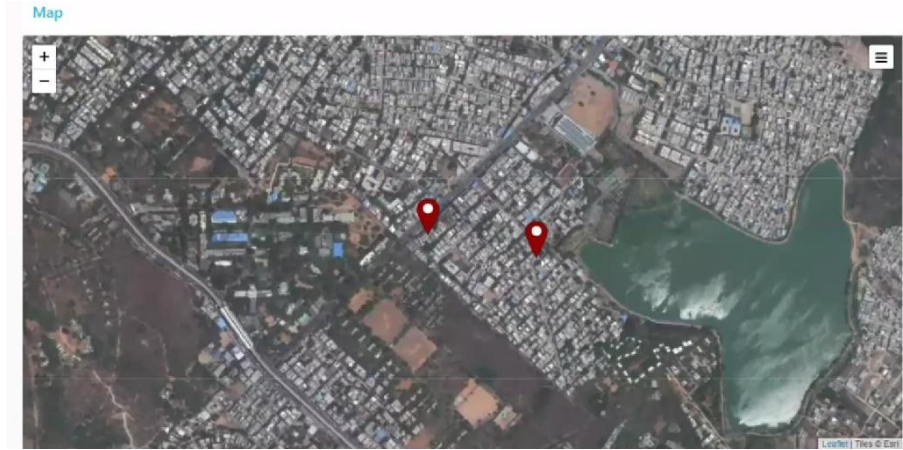


GEOFENCENODE:



LOCATION:

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



Result:successfullycompleted.