

TEAM ID : PNT2022TMID19071

Sprint4

ProjectName	IoTBasedSafetyGadgetfor Child Safety Monitoring andnotification
MaximumMarks	8Marks

FIREOAUTH:

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
  <metacharset="UTF-8">
  <metaname="viewport"content="width=device-width,initial-scale=1.0">
  <linkrel="stylesheet"href="/css/fireoauth.css">
  <link
rel="stylesheet"href="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/npr
ogress.min.css">
  <link rel="shortcut icon" href="https://raw.githubusercontent.com/tharunoptimus-
pd/firepwa/main/favicon.ico?token=GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA"
type="image/x-icon">
  <style>
    html,bod
y{
    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:003px0px#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.substring(
          location.protocol.length
        )}`
      )
    }
  }
</script>
</head>
<body>
  <div class="wrapper">
    <h3 class="pageTitle">Login with Fire??</h3>
```

```
<divclass="qrAuthorize">
  <h4class="subTitle">ScanQRfromyourFireOAuthApp??</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">Click
toAuthorize??</a>
</div>
```

```

<divclass="learnAboutFire">
  <atarget="_blank"href="https://fireoauth.netlify.app"rel="noopener">LearnMoreaboutFire
??</a>
</div>
```

```
</div>
<scriptsrc="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.js"></script>
<script src="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>
```

```
constFIRE_API_KEY="635b790a3bcc6b59c4b772d0"
const FIRE_ENDPOINT =
"https://fire.adaptable.app/api/apis/generate"constCHANNEL_NAME
```

= "fireOAuthChannel"

const broadcastChannel = new BroadcastChannel(CHANNEL_NAME)


```
const FIRE_SERVER_SOCKET_ENDPOINT =  
"https://fire.adaptable.app"letsocket=io(FIRE_SERVER_SOCKET_ENDP  
OINT)
```

```
letqr
```

```
letqrcode=document.querySelector(".qrcode")  
let oneClickSignin =  
document.querySelector(".oneClickSignin")letpageTitle=  
document.querySelector(".pageTitle")  
letsubTitle=document.querySelector(".subTitle")
```

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

```
async function getSessionID()  
  {letresponse  
  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}=awaitgetSessionID()

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

fire()

```

```
socket.on("trustedtoken",(token)=>{

    let data =
    {}data.success =
    truedata.token=token
    ken

    broadCastingChannel.postMessage(data)

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

DASHBOARD:

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
    <metacharset="UTF-8">
    <metahttp-equiv="X-UA-Compatible"content="IE=edge">
    <metaname="viewport"content="width=device-width,initial-scale=1.0">
    <linkrel="stylesheet"href="./css/dashboard.css">
    <title>Dashboard</title>
    <scriptsrc="./localforage.js"></script>
</head>
<body>
    <divclass="wrapper">
```

```
<divclass="header">
  <spanclass="heading">Dashboard</span>
  <spanclass="right">
    <spanclass="username">HelloUser</span>
    <span>
      
    </span>
  </span>
</div>
```

```
<divclass="actionCenter">
  <divclass="action">
    <span>CreateChildCard</span>
  </div>
  <divclass="action">
    <spanclass="logout">Logout</span>
  </div>
</div>
```

```
<divclass="childCardContainer">
  <divclass="childCard">
    <divclass="childCardHeader">
      <span>ChildName</span>
      <span>Age12</span>
    </div>
    <divclass="actions">
```

```
        <span>View</span>
        <span>GeoFence</span>
    </div>
</div>
</div>
</div>
<script>
    asyncfunctionmain(){
        let userData = await
        localStorage.getItem('userData')if(userData ==null) {
            window.location.href="/login"
        }
        document.querySelector(".username").innerHTML = `Hello
        ${userData.firstName}`document.querySelector(".profilePic").src=userData.profile
        Pic
    }
    main()
    document.querySelector(".logout").addEventListener("click", async () =>
        {awaitlocalStorage.setItem('userData', null)
        window.location.href="/login"
        })
</script>
</body>
</html>
```