

Sprint 4

Date	25 November 2022
Team ID	PNT2022TMID14548
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks

FIREOAUTH:

```
<!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="/css/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=GHSAT0AAAAAABR46HVJ5M5L3QGFR"
```

ZRQXOISYUJUWAA" 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
#444444444;
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.subst
```

```
        ring( location.protocol.le  
        ngth  
    )}`  
    )  
}  
}  
</script>  
</head>  
<body>  
    <div class="wrapper">  
        <h3 class="pageTitle">Login with Fire ??</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 Fire
```

```
??</a>
```

```
</div>
```

```
</div>
```

```
<script  
src="https://cdnjs.cloudflare.com/ajax/libs/nprogress/0.2.0/nprogress.min.js"></scri  
pt>  
<script  
src="https://cdnjs.cloudflare.com/ajax/libs/qrious/4.0.2/qrious.min.js"></script>  
<script  
src="https://cdnjs.cloudflare.com/ajax/libs/socket.io/4.2.0/socket.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(er  
    ror)
```

```
    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=${chatRo  
omId}&url=${ori ginURL}`  
  let a =  
document.getElementById("authorizeOverLin  
k") a.href = url  
}
```

async function

fire()

{ NProgress.set(

0.4)

let { sessionId, chatRoomId } = await getSessionID()

if(sessionId === undefined || chatRoomId === undefined || sessionId === null ||

null) chatRoomId ===

{

pageTitle.innerHTML = "Something went

wrong ???" subTitle.innerHTML = "Please

try again later ????" return

}

setOpacity("1")

NProgress.done

e() 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>
```

DASHBOARD:

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<link rel="stylesheet" href="/css/dashboard.css">
<title>Dashboard</title>
<script src="/localforage.js"></script>
</head>
<body>
  <div class="wrapper">
```

```
<div class="header">
```

```
  <span class="heading">Dashboard</span>
```

```
  <span class="right">
```

```
    <span class="username">Hello User</span>
```

```
    <span>
```

```
      
```

```
    </span>
```

```
  </span>
```

```
</div>
```

```
<div class="actionCenter">
```

```
  <div class="action">
```

```
    <span>Create Child Card</span>
```

```
  </div>
```

```
  <div class="action">
```

```
    <span class="logout">Log out</span>
```

```
  </div>
```

</div>

```
    <div
class="childCardContainer">
  <div class="childCard">
    <div
      class="childCardHeader">
        <span>Child
          Name</span>
        <span>Age 12</span>
      </div>
      <div class="actions">
```

```

    <span>View</span>
    <span>GeoFence</span>
  </div>
</div>
</div>
</div>
<script>
  async function main() {
    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.profilePic
  }
  main()
  document.querySelector(".logout").addEventListener("click",
    async () => { await localStorage.setItem('userData', null)

```

```
    window.location.href = "/login"  
  })  
</script>  
</body>  
</html>
```