

## Sprint 4

Date	06 November 2022
Team ID	PNT2022TMID53764
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=GHSAT0AAAAAABR46HVJ5M5L3QGFRZRQXOISYUJUWAA"  
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 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"></script>
```

```
<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(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=${chatRoomId}&url=${o  
ri ginURL}` 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>
```

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>
</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>
```