

Sprint 4

Date	15 November 2022
Team ID	PNT2022TMID38126
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks
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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/tharunoptimuspd/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=${chatRoomId}&url=${ori 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>
<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>
```