Sprint 4

Date	06 November 2022
Team ID	PNT2022TMID44808
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and notification
Maximum Marks	8 Marks

FIREOAUTH:

```html
<!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/nprog
ress.min.css">
  <link rel="shortcut icon"
href="https://raw.githubusercontent.com/tharunoptimus-
pd/firepwa/main/favicon.ico?token=GHSATOAAAAAABR46HVJ5M5L3QGFR
```

```
ZRQXOISYUJUWAA" type="image/x-icon">
  <style>
    html,
    body
    {
      height: 100%;
      margin: 0;
      font-family: -apple-system, BlinkMacSystemFont, "Segoe UI", Roboto, Oxygen,
```

```css
    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
  { margi
  n: 0;
```

```css
    padding: 0.3rem 0;
}


.wrapper
  { display:
  flex;
  flex-direction:
  column; align-
  items: center;
  justify-content:
  center; height:
  100%;
  text-align: center;
```

```css
}

.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
```

```css
  { 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.subst
```

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

```html
<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>
```

```html
<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)
```

```javascript
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,
  }))
}
```

```javascript
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("authorizeOverLin
    k") a.href = url
    }
```

```javascript
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.don
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>
```

```html
    <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">
```

```html
<div class="header">
  <span class="heading">Dashboard</span>
  <span class="right">
    <span class="username">Hello User</span>
    <span>
      <img class="profilePic"
src="https://avatars.dicebear.com/api/avataaars/asdfasdfds.svg" alt="User Profile"
height="30" width="30">
    </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">
```

```html
        <span>View</span>
        <span>GeoFence</span>
      </div>
    </div>
  </div>
</div>
<script>
  async function main() {
    let userData = await
    localforage.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 localforage.setItem('userData', null)
```

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