

## Sprint 4

<b>Title</b>	IoT Based Safety Gadget for Child Safety Monitoring and Notification.
<b>Domain Name</b>	Internet of Things (IOT)
<b>Team Lead</b>	Archana I
<b>Team Member</b>	Akshaya V Kausalya S Shaik Rejeena Begum
<b>Team ID</b>	PNT2022TMID36621
<b>College Name</b>	T.J.S Engineering College

<b>Department</b>	Computer Science And Engineering
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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/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
#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.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>
```

**</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**

**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>
```