```jsx
1  /** @module nav-bar */
2  import "./style.css"
3
4  import {Link} from "react-router-dom"
5  import { useState } from "react"
6
7
8  import logo from "../../assets/logo.svg"
9
10 /**
11  * Displayable, navigation bar.
12  * @returns {HTML}
13  */
14 export default function NavigationBar(){
15     /**
16      * @constant
17      * @type {string}
18      */
19     const user = localStorage.getItem("id")
20
21     /**
22      * @constant
23      * @typedef {Array.<String, Function>} useState
24      */
25     const [active, set_active] = useState("")
26
27     /**
28      * @constant
29      * @type {Object}
30      * @property {Object} STYLES.active
31      * @property {string} STYLES.active.backgroundColor
32      */
33     const STYLES = {
34         "active" : {
35             "backgroundColor": "#9EF3FF"
36         }
37     }
38     if (user === null){
39         return(
40             <nav className="nav-bar">
41                 <img src={logo}  width="70.49" alt="GibJohn logo" />
42
43                 <div className="buttons-login-signup">
44                     <Link to="/student-login-register">student login/register</Link>
45                     <Link to="/teacher-login-register">teacher login/register</Link>
46                 </div>
47             </nav>
48         )
49     }
50
51
52     return(
53         <nav className="nav-bar">
54             <img src={logo}  width="70.49" alt="GibJohn logo" />
55
56             <div className="nav-bar-buttons">
57                 <Link to="/user/classes" style={STYLES[(active === "classes") ?
   "active" : undefined]} onClick={(e) => set_active("classes")}>Classes</Link>
58                 <div className="vl"></div>
```

```jsx
59              <Link to="/user/subjects" style={STYLES[(active === "subjects")?
     "active" : undefined]} onClick={(e) => set_active("subjects")}>Subjects</Link>
60                 <div className="vl"></div>
61                 <Link className="home" to="/user" ><img
     src="https://via.placeholder.com/38x38" alt="A house" /></Link>
62                 <div className="vl"></div>
63                 <Link to="/user/favourite-topics" style={STYLES[(active ===
     "favourite-topics")? "active" : undefined]} onClick={(e) => set_active("favourite-
     topics")} >Favourite topics</Link>
64                 <div className="vl"></div>
65                 <Link to="/user/assignments" style={STYLES[(active ===
     "assignments")? "active" : undefined]} onClick={(e) => set_active("assignments")}
     >Assignments</Link>
66            </div>
67            <div className="vl"></div>
68
69            <div className="user-tile">
70                <label for="user-avatar">
71                    wooooooahwadwdawdawdawdawdawdawdadawdwadawdadwawdawddawdawdaw {/*
     Added to support the use of custom usernames. */}
72                </label>
73                <img id="user-avatar" src="https://via.placeholder.com/45x45"
     alt="avatar placeholder" />
74            </div>
75        </nav>
76
77    )
78 }
```