index.html

```html
<!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="./modules/style.css">
    <title>Product list</title>
</head>
<body>
    <script src="./modules/script.js" type="module"></script>
</body>
</html>
```

monitor.js

```javascript
export default class Monitor {
    constructor(code = 0, name = "unknown", size = 0, resolution = "1440x1080") {
        this._code = code;
        this._name = name;
        this._sizeInInches = size;
        this._stock = 0;
        this._price = 0;
        this._resolution = resolution;
        this._imgURL = "path";
    }

    get name() {
        return this._name;
    }

    get resolution() {
        return this._resolution;
    }

    get code() {
        return this._code;
    }

    get imgURL() {
        return this._imgURL;
    }
}
```

```javascript
    get size() {
        return this._sizeInInches;
    }

    get price() {
        return this._price;
    }

    get stock() {
        return this._stock;
    }

    /**
     * @param {string} path set a new path
     */
    set imgURL(path) {
        this._imgURL = path;
    }

    /**
     * @param {number} amount set a new amount
     */
    set stock(amount) {
        this._stock += amount;
    }

    /**
     * @param {number} size set a new size
     */
    set size(size) {
        this._sizeInInches = size;
    }

    /**
     * @param {string} name set a new name
     */
    set name(name) {
        this._name = name;
    }

    /**
     * @param {string} code set a new code
     */
    set code(code) {
```

```javascript
        this._code = code;
    }

    /**
     * @param {string} resolution set a new resolution
     */
    set resolution(resolution) {
        this._resolution = resolution;
    }

    /**
     * @param {number} size set a new size
     */
    set size(size) {
        this._sizeInInches = size;
    }

    /**
     * @param {number} price set a new price
     */
    set price(price) {
        this._price = price;
    }
}
```

products.js

```javascript
import Monitor from "./monitor.js";

const products = [];

products.push(new Monitor(1, "BENQ ZOWIE XL2731", 27, "1920x1080"));
products[0]._price = 9900;
products[0]._stock = 0;
products[0]._imgURL = "./images/ZOWIE-XL2731.jpg";

products.push(new Monitor(2, "BENQ MOBIUZ EX3415R", 34, "3440x1440"));
products[1]._price = 35900;
products[1]._stock = 5;
products[1]._imgURL = "./images/MOBIUZ-EX3415R.jpg";

products.push(new Monitor(3, "BENQ MOBIUZ EX2710R", 27, "2560x1440"));
products[2]._price = 21900;
products[2]._stock = 10;
products[2]._imgURL = "./images/MOBIUZ-EX2710R.jpg";

products.push(new Monitor(4, "BENQ EW2780Q", 27, "2560x1440"));
products[3]._price = 9500;
products[3]._stock = 15;
products[3]._imgURL = "./images/EW2780Q.jpg";

products.push(new Monitor(5, "BENQ EW2480", 24, "1920x1080"));
products[4]._price = 5500;
products[4]._stock = 22;
products[4]._imgURL = "./images/EW2480.jpg";

products.push(new Monitor(6, "BENQ EX3203R", 31.5, "2560x1440"));
products[5]._price = 16900;
products[5]._stock = 2;
products[5]._imgURL = "./images/EX3203R.jpg";

products.push(new Monitor(7, "BENQ ZOWIE XL2546", 24.5, "1920x1080"));
products[6]._price = 15900;
products[6]._stock = 7;
products[6]._imgURL = "./images/ZOWIE-XL2546.jpg";

products.push(new Monitor(8, "BENQ GW2780", 27, "1920x1080"));
products[7]._price = 5900;
products[7]._stock = 0;
products[7]._imgURL = "./images/GW2780.jpg";
```

```
export { products as default };
```

script.js

```javascript
import products from "./products.js";

// code here
let body = document.querySelector("body");
body.className = "product-list p-6 bg-blue-50";

// add h1 to body
let title = document.createElement("h1");
title.className = "font-bold text-xl text-center";
title.textContent = "Product List";
body.appendChild(title);

let divContainer = document.createElement("div");
divContainer.className = "product-container grid grid-cols-5";

// add container to body
let container = body.appendChild(divContainer);

for (const product of products) {
    // add div to container in body
    let divList = document.createElement("div");
    divList.id = product.code;
    divList.className = "flex flex-col bg-white rounded-lg shadow-md m-5";
    divList.setAttribute("name", product.name);
    let divItem = container.appendChild(divList);

    // add img to div in container
    let img = document.createElement("img");
    img.src = product.imgURL;
    img.alt = product.name;
    img.style = "width: 100%; height: 100%;";
    divItem.appendChild(img);

    // add details to div in container
    let divDetails = document.createElement("div");
    divDetails.className = "details p-2";

    let name = document.createElement("div");
    name.className = "bg-green-100 flex-1";
```

```javascript
        name.innerHTML = `<b>Product: </b>${product.name} ${product.size}"`;
        divDetails.appendChild(name);

        let price = document.createElement("div");
        price.innerHTML = `<b>Price: </b>${new Intl.NumberFormat("th-TH", {
            style: "currency",
            currency: "THB",
        }).format(product.price)}`;
        divDetails.appendChild(price);

        let res = document.createElement("div");
        res.innerHTML = `<b>Resolution: </b>${product.resolution}`;
        divDetails.appendChild(res);

        let stock = document.createElement("div");
        if (product.stock == 0) {
            let outOfStock = document.createElement("b");
            outOfStock.className = "text-red-500";
            outOfStock.textContent = "Out of Stock";
            stock.appendChild(outOfStock);
        } else {
            stock.innerHTML = `<b>In stock: </b>${product.stock}`;
        }
        divDetails.appendChild(stock);

        divItem.appendChild(divDetails);
}
```

Output

Product List

Product: BENQ ZOWIE XL2731 27"
Price: ฿9,900.00
Resolution: 1920x1080
Out of Stock

Product: BENQ MOBIUZ EX3415R 34"
Price: ฿35,900.00
Resolution: 3440x1440
In stock: 5

Product: BENQ MOBIUZ EX2710R 27"
Price: ฿21,900.00
Resolution: 2560x1440
In stock: 10

Product: BENQ EW2780Q 27"
Price: ฿9,500.00
Resolution: 2560x1440
In stock: 15

Product: BENQ EW2480 24"
Price: ฿5,500.00
Resolution: 1920x1080
In stock: 22

Product: BENQ EX3203R 31.5"

Product: BENQ ZOWIE XL2546 24.5"

Product: BENQ GW2780 27"

Dynamic source code (overall & the first two example details in div tag)


```
DevTools - 127.0.0.1:5500/works/INT201-G06-GroupWorks/Assignment6/index.html

Elements   Console   Sources   Network   Performance   Memory   Security   Application   +

<!DOCTYPE html>
<html lang="en">
▶ <head>…</head>
▼ <body class="product-list p-6 bg-blue-50" data-new-gr-c-s-check-loaded="14.999.0" data-gr-ext-installed>
    <script src="./modules/script.js" type="module"></script>
    <!-- Code injected by live-server -->
  ▶ <script type="text/javascript">…</script>
    <h1 class="font-bold text-xl text-center">Product List</h1>
  ▼ <div class="product-container grid grid-cols-5"> grid
    ▶ <div id="1" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ ZOWIE XL2731">…</div> flex
    ▶ <div id="2" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ MOBIUZ EX3415R">…</div> flex
    ▶ <div id="3" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ MOBIUZ EX2710R">…</div> flex
... ▶ <div id="4" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EW2780Q">…</div> flex  == $0
    ▶ <div id="5" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EW2480">…</div> flex
    ▶ <div id="6" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EX3203R">…</div> flex
    ▶ <div id="7" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ ZOWIE XL2546">…</div> flex
    ▶ <div id="8" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ GW2780">…</div> flex
    </div>
  </body>
▶ <grammarly-desktop-integration data-grammarly-shadow-root="true">…</grammarly-desktop-integration>
</html>

html   body.product-list.p-6.bg-blue-50   div.product-container.grid.grid-cols-5   div#\34 .flex.flex-col.bg-white.rounded-lg.shadow-md.m-5
```

DevTools - 127.0.0.1:5500/works/INT201-G06-GroupWorks/Assignment6/index.html

Elements   Console   Sources   Network   Performance   Memory   Security   Application   +

```html
<!DOCTYPE html>
<html lang="en">
▶ <head>…</head>
▼ <body class="product-list p-6 bg-blue-50" data-new-gr-c-s-check-loaded="14.999.0" data-gr-ext-installed>
    <script src="./modules/script.js" type="module"></script>
    <!-- Code injected by live-server -->
  ▶ <script type="text/javascript">…</script>
    <h1 class="font-bold text-xl text-center">Product List</h1>
  ▼ <div class="product-container grid grid-cols-5"> grid
    ▼ <div id="1" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ ZOWIE XL2731"> flex
        <img src="./images/ZOWIE-XL2731.jpg" alt="BENQ ZOWIE XL2731" style="width: 100%; height: 100%;">
      ▼ <div class="details p-2">
        ▼ <div class="bg-green-100 flex-1">
            <b>Product: </b>
            "BENQ ZOWIE XL2731 27""
          </div>
        ▼ <div>
            <b>Price: </b>
            "$9,900.00"
          </div>
···     ▼ <div> == $0
            <b>Resolution: </b>
            "1920x1080"
          </div>
        ▼ <div>
            <b class="text-red-500">Out of Stock</b>
          </div>
        </div>
      </div>
    ▶ <div id="2" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ MOBIUZ EX3415R">…</div> flex
    ▶ <div id="3" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ MOBIUZ EX2710R">…</div> flex
    ▶ <div id="4" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EW2780Q">…</div> flex
    ▶ <div id="5" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EW2480">…</div> flex
    ▶ <div id="6" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ EX3203R">…</div> flex
    ▶ <div id="7" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ ZOWIE XL2546">…</div> flex
    ▶ <div id="8" class="flex flex-col bg-white rounded-lg shadow-md m-5" name="BENQ GW2780">…</div> flex
    </div>
  </body>
```

html   body.product-list.p-6.bg-blue-50   div.product-container.grid.grid-cols-5   div#\31 .flex.flex-col.bg-white.rounded-lg.shadow-md.m-5   div.details.p-2   div

GIT LINK (This Assignment => include work ratio): [Click here](#)

GIT LINK (All Assignment): [Click here](#)