**index.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**

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;

    }

    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) {

        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**

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**

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";

    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**

**Graphical user interface, website

Description automatically generated**

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

Description automatically generated**

Text

Description automatically generated

Text

Description automatically generated

***GIT LINK* (This Assignment => include work ratio):** [**Click here**](https://github.com/xbklyn/INT201-G06-GroupWorks/tree/main/Assignment6)

***GIT LINK* (All Assignment):** [**Click here**](https://github.com/xbklyn/INT201-G06-GroupWorks)