**BOOK STORE DOCUMENTATION (E-Commerce Website)**

Step-1: Created the Html file and installed the libraries to project using HTML <link> tag.

<link rel="icon" href="https://static.wixstatic.com/media/ecaed0\_7820e50344f743388b4e80181986c61f~mv2.png/v1/fill/w\_560,h\_560,al\_c,lg\_1,q\_85,enc\_auto/LIT%20READS%20Logo%20(1).png">

--This link used to add the fevicon which is used to display the image before the title.

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">

--This link is bootstrap cdn which is having inbuilt css

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.5.1/css/all.min.css">

--This link is for adding icons

<link rel="stylesheet" href="/css/style.css">

--This link for adding the external css

And all these links are added inside the <head> tag.

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM" crossorigin="anonymous"></script>

--this is the javascript cdn

<script src="/js/script.js"></script>

--this is the javascript link which is used to add external js file.

Step-2: We have used different html tags inside the body and added the class and id for the tags inside the body.

And first we have taken the <header> tag for the header section.

<header class="heading bg-light">

--This tag is having a class name and also, we have used the bootstrap classes.

<h1 class="display-4 text-primary">

<img src="https://static.vecteezy.com/system/resources/thumbnails/011/169/445/small\_2x/education-fire-logo-design-motivation-book-logo-design-template-free-vector.jpg" alt="" style="width: 80px; border-radius: 50%;">LitReads</h1>

--it is used to show the project icon and brand

<nav class="navbar navbar-expand-lg navbar-light bg-light">

--it is used for creating nav bar

<div class="container-fluid">

--it occupies the full width of the screen

<a class="navbar-brand" href="#"></a>

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse " id="navbarSupportedContent">

--it is used for creating the nav bar with elements and to arrange in a row

<ul class="navbar-nav m-auto gap-5 mb-2 mb-lg-0 ">

<li class="nav-item">

--it is used for adding the nav item in the nav bar

<a class="nav-link active text-dark" aria-current="page" href="/index.html">Home</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" href="#">Categories</a>

</li>

<li class="nav-item dropdown">

<a class="nav-link dropdown-toggle text-dark" href="#" id="navbarDropdown" role="button" data-bs-toggle="dropdown" aria-expanded="false">

Best Sellers

</a>

<ul class="dropdown-menu" aria-labelledby="navbarDropdown">

<li><a class="dropdown-item" href="#">ABC store</a></li>

<li><a class="dropdown-item" href="#">Amaze store</a></li>

<li><a class="dropdown-item" href="#">Lit store</a></li>

</ul>

</li>

<li class="nav-item">

<a class="nav-link text-dark" href="/html/aboutus.html">About Us</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" href="/html/bookstore-contact.html">Contact Us</a>

</li>

<li class="nav-item">

<div class="iconCart">

-it is used for displaying the cart icon in the navbar

<img src="https://t3.ftcdn.net/jpg/05/60/17/66/360\_F\_560176615\_cUua21qgzxDiLiiyiVGYjUnLSGnVLIi6.jpg" alt="cart" style="width: 40px;">

<div class="totalQuantity">0</div>

--this class is taken for displaying the cart items

</div>

</li>

<li class="nav-item">

<div class="login">

<img src="https://icons.veryicon.com/png/o/miscellaneous/domain-icons/my-account-login.png" alt="" style="width:36px; height: 35px;">

</div>

--it is taken for login icon

</li>

</ul>

<form class="d-flex">

<input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">

<button class="btn btn-outline-success" type="submit">Search</button>

</form>

</div>

</div>

</nav>

</header>

Step-3: Now we add the content in the body to get displayed.

<div class="homePage">

<section>

<div class="listProduct">

<div class="item">

<img src="" alt="">

<h2>CoPilot / Black / Automatic</h2>

<div class="price">$550</div>

<button>Add To Cart</button>

</div>

</div>

</section>

</div>

--it is taken for the home page that is to show the products on the screen but with the above code we can display only single data so for this javascript code is added

To show the multiple products.

<div class="cart">

<h2>

CART

</h2>

<div class="listCart">

<div class="item">

<img src="https://learnenglish-new.com/wp-content/uploads/2021/11/English-story-books-for-elementary-level.png">

<div class="content">

<div class="name">CoPilot / Black / Automatic</div>

<div class="price">$550 / 1 product</div>

</div>

<div class="quantity">

<button>-</button>

<span class="value">3</span>

<button>+</button>

</div>

</div>

</div>

--it is taken to show that when the cart button is clicked it will show the products which we have selected with the images and quantity, but it is for one product that is default and to work properly for all products javascript code is added.

<div class="buttons">

<div class="close">

CLOSE

</div>

<div class="checkout">

<a href="/html/checkout.html">CHECKOUT</a>

</div>

</div>

--it is taken for the button to get displayed in the cart section so that when the button is clicked it will take to another html page.

</div>

<div class="loginpage">

<span class="closebt" onclick="closelog()">&times;</span>

--onclick() is the event which is added in the above line so it performs some operations when it is clicked.

--&times; is the icon ‘X’

<h3>Login</h3>

<div class="loginContent">

<form class="loginForm">

<label for="Uname">UserName</label><br>

<input type="text" required><br>

<label for="password">Password</label><br>

<input type="password" required><br>

<button id="logbutton" class="btn btn-primary mt-3 " onclick="closelog()">Login</button>

</form>

</div>

--form is created with the class name to become easy to write the javascript code.

</div>

Step-4: Create the javascript code and add the code in the above html as shown in the step-1.

let iconCart=document.querySelector(".iconCart");

let cart=document.querySelector(".cart");

let close=document.querySelector(".close");

let homepage=document.querySelector(".homePage")

--this part of the code is to create the variable names with the help of the class names given the html code.

iconCart.addEventListener("click",function(){

if(cart.style.right=="-100%"){

cart.style.right="0";

homepage.style.transform="translate(-400px)";

}else{

cart.style.right="-100%";

homepage.style.transform="translate(0)";

}

});

--this part of code is for the cart button to function when the button is clicked.

close.addEventListener("click",function(){

cart.style.right="-100%";

homepage.style.transform="translate(0)";

});

--the close button is added by a function so that when the button is clicked the function works.

let products = null;

// get data from file json

fetch("product.json")

--product.json is the object we have multiple objects from the json we are taking the data and adding that data to the html to show the multiple products in the homepage.

.then((response) => response.json())

.then((data) => {

products = data;

addDataToHTML();

});

//show data products in list

function addDataToHTML() {

// remove data default from HTML

let listProductHTML = document.querySelector(".listProduct");

listProductHTML.innerHTML = "";

// add new data

if (products != null) {

// if has data

products.forEach((product) => {

let newProduct = document.createElement("div");

newProduct.classList.add("item");

newProduct.innerHTML = `<img src="${product.image}" alt="">

<h2>${product.name}</h2>

<div class="price">$${product.price}</div>

<button onclick="addCart(${product.id})">Add To Cart</button>`;

listProductHTML.appendChild(newProduct);

});

}

}

//use cookie so the cart doesn't get lost on refresh page

let listCart = [];

function checkCart() {

var cookieValue = document.cookie

.split("; ")

.find((row) => row.startsWith("listCart="));

if (cookieValue) {

listCart = JSON.parse(cookieValue.split("=")[1]);

} else {

listCart = [];

}

}

checkCart();

function addCart($idProduct) {

let productsCopy = JSON.parse(JSON.stringify(products));

if (!listCart[$idProduct]) {

listCart[$idProduct] = productsCopy.filter(

(product) => product.id == $idProduct

)[0];

listCart[$idProduct].quantity = 1;

} else {

//If this product is already in the cart.

//I just increased the quantity

listCart[$idProduct].quantity++;

}

document.cookie =

"listCart=" +

JSON.stringify(listCart) +

"; expires=Thu, 31 Dec 2025 23:59:59 UTC; path=/;";

addCartToHTML();

}

addCartToHTML();

function addCartToHTML() {

// clear data default

let listCartHTML = document.querySelector(".listCart");

listCartHTML.innerHTML = "";

let totalHTML = document.querySelector(".totalQuantity");

let totalQuantity = 0;

// if has product in Cart

if (listCart) {

listCart.forEach((product) => {

if (product) {

let newCart = document.createElement("div");

newCart.classList.add("item");

newCart.innerHTML = `<img src="${product.image}">

<div class="content">

<div class="name">${product.name}</div>

<div class="price">$${product.price} / 1 product</div>

</div>

<div class="quantity">

<button onclick="changeQuantity(${product.id}, '-')">-</button>

<span class="value">${product.quantity}</span>

<button onclick="changeQuantity(${product.id}, '+')">+</button>

</div>`;

listCartHTML.appendChild(newCart);

totalQuantity = totalQuantity + product.quantity;

}

});

}

totalHTML.innerText = totalQuantity;

}

function changeQuantity($idProduct, $type) {

switch ($type) {

case "+":

listCart[$idProduct].quantity++;

break;

case "-":

listCart[$idProduct].quantity--;

// if quantity <= 0 then remove product in cart

if (listCart[$idProduct].quantity <= 0) {

delete listCart[$idProduct];

}

break;

default:

break;

}

// save new data in cookie

document.cookie =

"listCart=" +

JSON.stringify(listCart) +

"; expires=Thu, 31 Dec 2025 23:59:59 UTC; path=/;";

// reload html view cart

addCartToHTML();

}

//Loginpage

var loginbtn=document.querySelector(".login");

var loginPage=document.querySelector(".loginpage");

var logButton=document.querySelector("#logbutton")

loginbtn.addEventListener("click",function(){

if(loginPage.style.display=="none"){

loginPage.style.display="block";

homepage.style.transform="translate(0px,200px)";

loginPage.style.transform="translate(700px,-1200px)";

}

else{

loginPage.style.display="none";

homepage.style.transform="translate(0px,0px)";

}

});

function closelog(){

loginPage.style.display="none";

homepage.style.transform="translate(0px,0px)";

}