Botondesplegable.js

class BotonDesplegableController

{

constructor( view )

{

this.innerView = view;

}

onclick()

{

let x = this.innerView.container;

if (x.className.indexOf("w3-show") == -1) {

x.className += " w3-show";

x.previousElementSibling.className += " w3-theme";

this.innerView.button.style.backgroundColor = '#009688';

this.innerView.button.style.color = '#ffffff';

} else {

x.className = x.className.replace("w3-show", "");

//x.previousElementSibling.className =

x.previousElementSibling.className.replace(" w3-theme", "");

this.innerView.button.style = 'background-color: none';

}

}

}

class BotonDesplegable extends HTMLElement

{

constructor()

{

super();

this.button = document.createElement('a');

this.button.classList.add("w3-bar-item", "w3-button");

this.button.innerText = 'Dropdown';

this.container = document.createElement('div');

this.container.classList.add("w3-hide");

this.dropdownIcon = document.createElement('i');

this.dropdownIcon.className = "fa fa-caret-down";

this.appendChild(this.button);

this.button.appendChild(this.dropdownIcon);

this.appendChild(this.container);

this.innerController = new BotonDesplegableController(this);

}

addItem(name)

{

let item = document.createElement('div');

item.classList.add('w3-bar-item', 'w3-button');

item.innerText = name;

this.container.appendChild(item);

return item;

}

connectedCallback()

{

this.button.addEventListener('click', () => this.innerController.onclick() );

}

disconnectedCallback()

{

}

}

window.addEventListener('load', () =>

{

console.log('DOM Cargado');

customElements.define('x-btn-desplegable', BotonDesplegable );

});

export { BotonDesplegable }

Appcontroller.js

class AppController

{

constructor(view, model)

{

this.innerModel = model;

this.innerView = view;

}

}

export { AppController }

appModel.js

class AppModel

{

constructor()

{

}

}

export { AppModel }

Appview.js

import { AppController } from "./appController.js";

import { BotonDesplegable } from './BotonDesplegable.js';

class AppView extends HTMLElement

{

constructor(model)

{

super();

this.innerModel = model;

this.innerController = new AppController(this, this.innerModel);

this.botonDesplegable = new BotonDesplegable();

this.botonDesplegable.addItem('Link 1');

this.botonDesplegable.addItem('Link 2');

// NAV

this.nav = document.createElement('nav');

this.nav.className = "w3-sidebar w3-bar-block w3-collapse w3-animate-left w3-card";

this.nav.style = "z-index:3;width:250px;"

this.nav.id = "mySidebar"

this.w3IconAnchor = document.createElement('a');

this.w3IconAnchor.className = "w3-bar-item w3-button w3-border-bottom w3-large";

this.w3IconAnchor.href = "#";

this.w3IconImg = document.createElement('img');

this.w3IconImg.src = "https://www.w3schools.com/images/w3schools.png";

this.w3IconImg.style = "width:80%;"

this.closeIconAnchor = document.createElement('a');

this.closeIconAnchor.className = "w3-bar-item w3-button w3-hide-large w3-large";

this.closeIconAnchor.href = "javascript:void(0)";

this.closeIconAnchor.addEventListener('click', w3\_close);

this.closeIconAnchor.innerText = "Close";

this.closeIconImg = document.createElement('i');

this.closeIconImg.className = "fa fa-remove";

this.homeAnchor = document.createElement('a');

this.homeAnchor.className = "w3-bar-item w3-button w3-teal";

this.homeAnchor.href = "#";

this.homeAnchor.innerText = "Home";

this.firstAnchor = document.createElement('a');

this.firstAnchor.className = "w3-bar-item w3-button";

this.firstAnchor.href = "#";

this.firstAnchor.innerText = "Link 1";

this.secondAnchor = document.createElement('a');

this.secondAnchor.className = "w3-bar-item w3-button";

this.secondAnchor.href = "#";

this.secondAnchor.innerText = "Link 2";

this.thirdAnchor = document.createElement('a');

this.thirdAnchor.className = "w3-bar-item w3-button";

this.thirdAnchor.href = "#";

this.thirdAnchor.innerText = "Link 3";

this.fourthAnchor = document.createElement('a');

this.fourthAnchor.className = "w3-bar-item w3-button";

this.fourthAnchor.href = "#";

this.fourthAnchor.innerText = "Link 4";

this.fifthAnchor = document.createElement('a');

this.fifthAnchor.className = "w3-bar-item w3-button";

this.fifthAnchor.href = "#";

this.fifthAnchor.innerText = "Link 5";

// W3 CLOSE

this.w3Close = document.createElement('div');

this.w3Close.className = "w3-overlay w3-hide-large w3-animate-opacity";

this.w3Close.addEventListener('click', w3\_close);

this.w3Close.style = "cursor:pointer";

this.w3Close.id = "myOverlay";

// MAIN

this.w3MainContainer = document.createElement('div');

this.w3MainContainer.className = "w3-main";

this.w3MainContainer.style = "margin-left: 250px;";

this.myTopContainer = document.createElement('div');

this.myTopContainer.id = "myTop";

this.myTopContainer.className = "w3-container w3-top w3-theme w3-large"

this.myTopContainerP = document.createElement('p');

this.myTopContainerPIcon = document.createElement('i');

this.myTopContainerPIcon.className = "fa fa-bars w3-button w3-teal w3-hide-large w3-xlarge";

this.myTopContainerPIcon.addEventListener('click', w3\_open);

this.myTopContainerPSpan = document.createElement('span');

this.myTopContainerPSpan.id = "myIntro";

this.myTopContainerPSpan.className = "w3-hide";

this.myTopContainerPSpan.innerText = "W3.CSS: Introduction";

this.w3MainHeader = document.createElement('header');

this.w3MainHeader.className = 'w3-container w3-theme my-container';

this.w3MainHeader.style = 'padding: 64px 32px';

this.w3MainHeaderH1 = document.createElement('h1');

this.w3MainHeaderH1.className = 'w3-xxxlarge';

this.w3MainHeaderH1.innerText = 'W3.CSS'

this.w3Container = document.createElement('div');

this.w3Container.className = "w3-container";

}

connectedCallback()

{

document.body.appendChild(this.nav);

this.nav.appendChild(this.w3IconAnchor)

this.w3IconAnchor.appendChild(this.w3IconImg)

this.nav.appendChild(this.closeIconAnchor);

this.closeIconAnchor.appendChild(this.closeIconImg);

this.nav.appendChild(this.homeAnchor);

this.nav.appendChild(this.firstAnchor);

this.nav.appendChild(this.secondAnchor);

this.nav.appendChild(this.thirdAnchor);

this.nav.appendChild(this.fourthAnchor);

this.nav.appendChild(this.fifthAnchor);

this.nav.appendChild(this.botonDesplegable)

document.body.appendChild(this.w3Close);

document.body.appendChild(this.w3MainContainer);

this.w3MainContainer.appendChild(this.myTopContainer);

this.myTopContainer.appendChild(this.myTopContainerP);

this.myTopContainerP.appendChild(this.myTopContainerPIcon);

this.myTopContainerP.appendChild(this.myTopContainerPSpan);

this.w3MainContainer.appendChild(this.w3MainHeader);

this.w3MainHeader.appendChild(this.w3MainHeaderH1);

this.w3MainContainer.appendChild(this.w3Container);

}

}

customElements.define('x-app', AppView);

// Open and close the sidebar on medium and small screens

function w3\_open() {

document.getElementById("mySidebar").style.display = "block";

document.getElementById("myOverlay").style.display = "block";

}

function w3\_close() {

document.getElementById("mySidebar").style.display = "none";

document.getElementById("myOverlay").style.display = "none";

}

// Change style of top container on scroll

window.onscroll = function() {myFunction()};

function myFunction() {

if (document.body.scrollTop > 80 || document.documentElement.scrollTop > 80) {

document.getElementById("myTop").classList.add("w3-card-4", "w3-animate-opacity");

document.getElementById("myIntro").classList.add("w3-show-inline-block");

} else {

document.getElementById("myIntro").classList.remove("w3-show-inline-block");

document.getElementById("myTop").classList.remove("w3-card-4", "w3-animate-opacity");

}

}

export { AppView }

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="w3.css">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

<title>Server Client App</title>

</head>

<body>

</body>

<script src="main.js" type="module"></script>

</html>

Main.js

import {AppModel} from './appModel.js'

import {AppView} from './appView.js'

function main()

{

let model = new AppModel();

let view = new AppView(model);

document.body.appendChild(view);

}

window.addEventListener('load', main);

W3.css

(ESE ES EL ARCHIVO LARGO DE CSS)