**WEB-STORE NAVIGATOR**

**A WEB STORE PRODUCT NAVIGATION SITE FOR TWO POPULAR ONLINE SHOPING PLATFORMS WAL-MART AND BESTBUY.**

**ABOUT :**

Webstore Navigator is a private product navigator for websites Wal-Mart and Best buy. This is a platform for product consulting and navigation. Now a days locating the correct product is a huge task and it can be made by reading the customer reviews and the rating given by the website. So this web portal directly locates you the best products from the given websites.

**TOOLS USED :**

Operating System Used: Windows 10

Front end programming: HTML and CSS

API connectivity language: JavaScript

API s Used: Wal-Mart item API , Price API,

Best Buy item API.

**SYSTEM REQUIREMENTS :**

Processor : INTEL Pentium V or more.

RAM : 512 MB or more.

HDD : 250 MB or more.

Monitor : Colour monitor.

**MODULE DESCRIPTION :**

**Index.html :**

This HTML page is the home page of the website which consists of a search bar with a drop down menu containing the two websites and also a search which leads to the variety of products and their description.

This page also contains three options at the footer area, they are company information, contact and terms and services.

**New1.html :**

This page consists of the company information and mail id also the social media accounts such as Facebook, Twitter and LinkedIn.

**New 2.html :**

This page consists of the contact and feedback form where the customers can fill their feedback with their name and country.

**New 3.html :**

This page consists of the terms and conditions also the services of the website.

**Test.js**

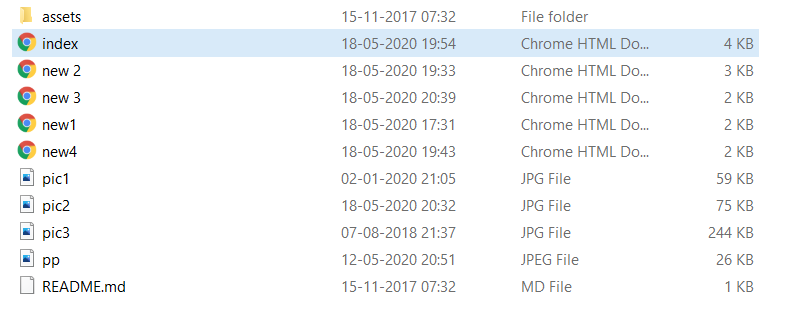
This JavaScript file consists of the API key of the website taken and in this page the datasets from the API of the handling websites are imposed with the home web page.

**Web storefront.js**

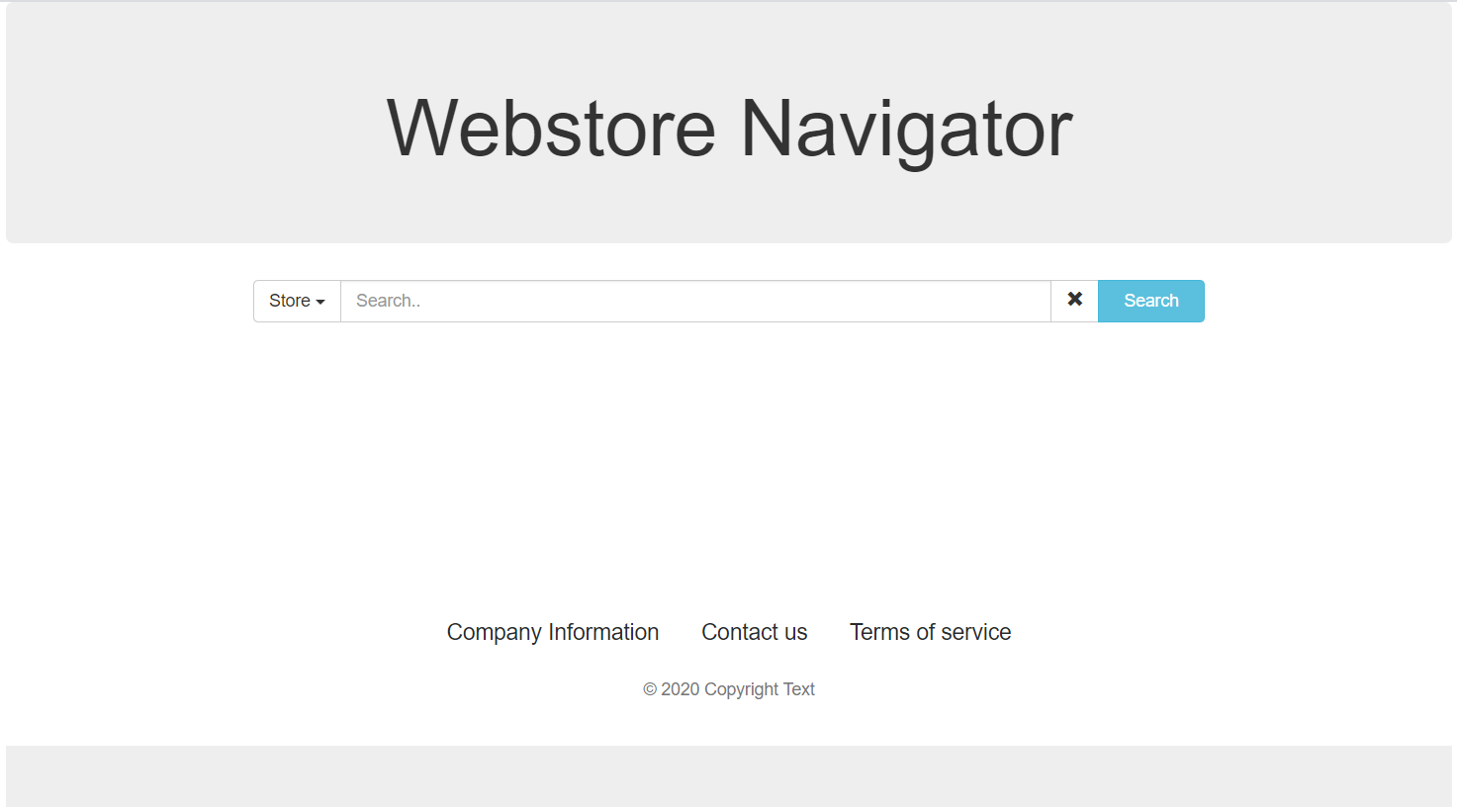
This JavaScript file consists of the navigation handle which navigates through the official product webpage of the provided website.

**STEP BY STEP EXPLANATION ON HOW TO USE THE WEBSITE :**

1. From the given set of files in the folder, index.html file is the home page of the website which will redirect to other pages. So first we need to open index.html file with browsers like Internet Explorer, Mozilla Firefox or Google Chrome etc.



1. After opening the file in a browser, we can see the title of the website and followed by that, we can see a search bar with a drop down box on the left and a search button on the right.



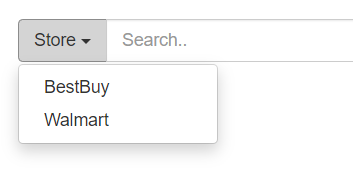
Search bar

Dropdown box

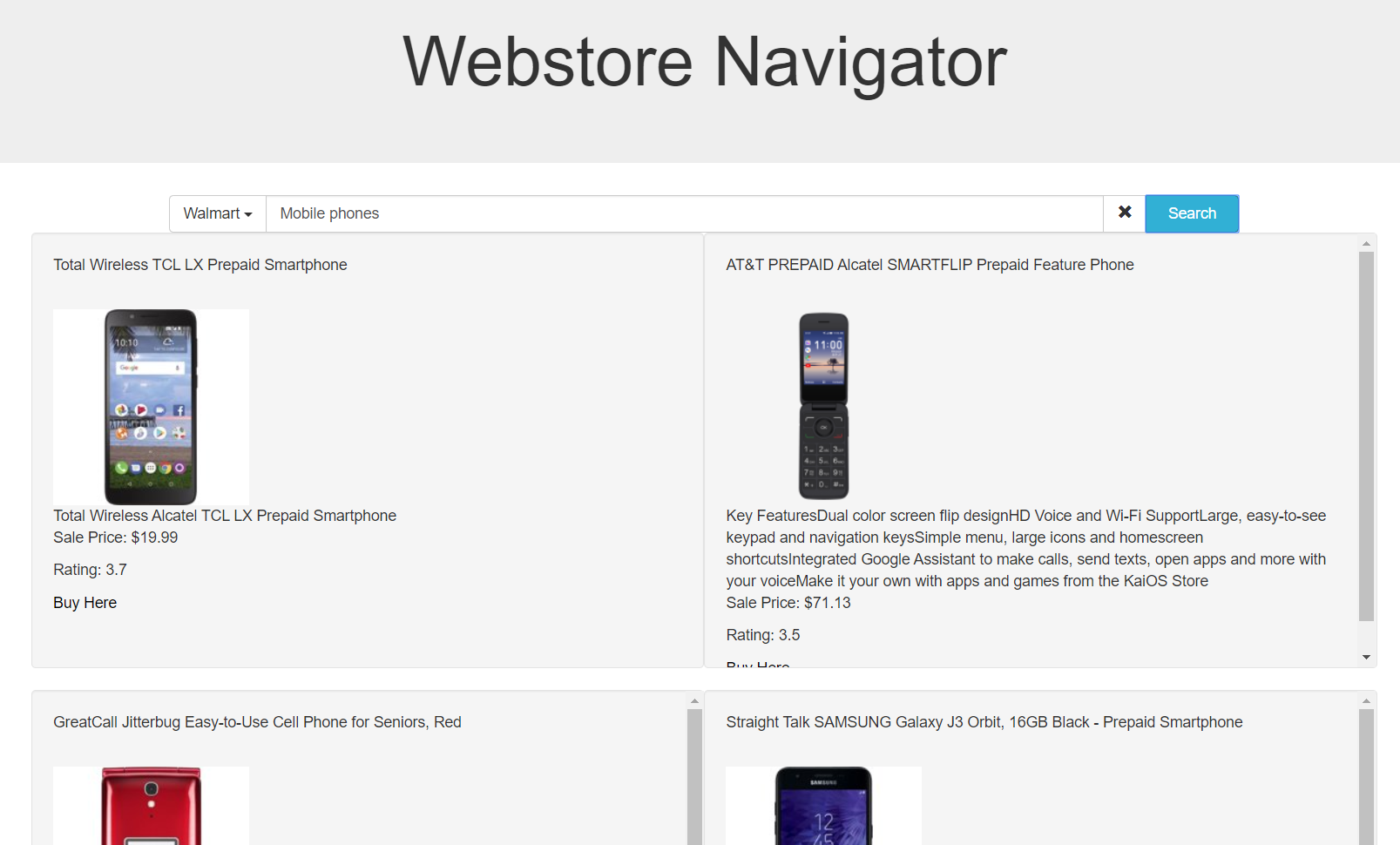
Title

TITLE

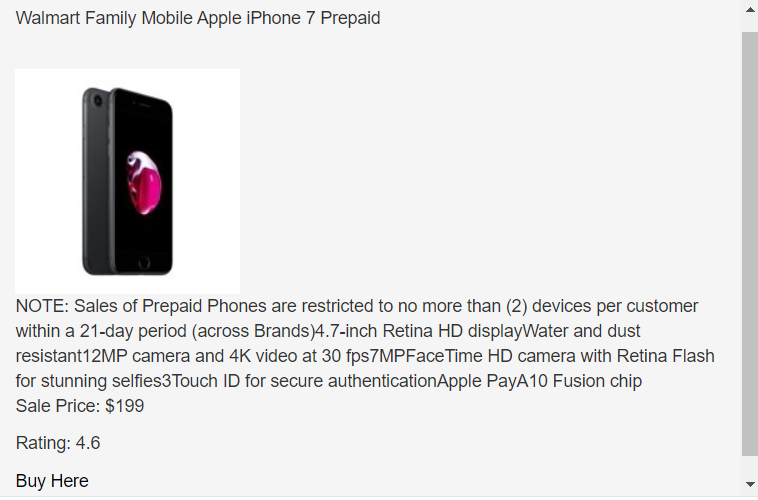
1. That drop down box on the left consists of two online shopping portals present in the market Wal-Mart and BestBuy. After selecting the desired website from the two we can search for the product we want in the search bar and hit the search button.



1. When the search button is clicked, the products similar to the requirement given are displayed with the descriptions of those products along with the price.

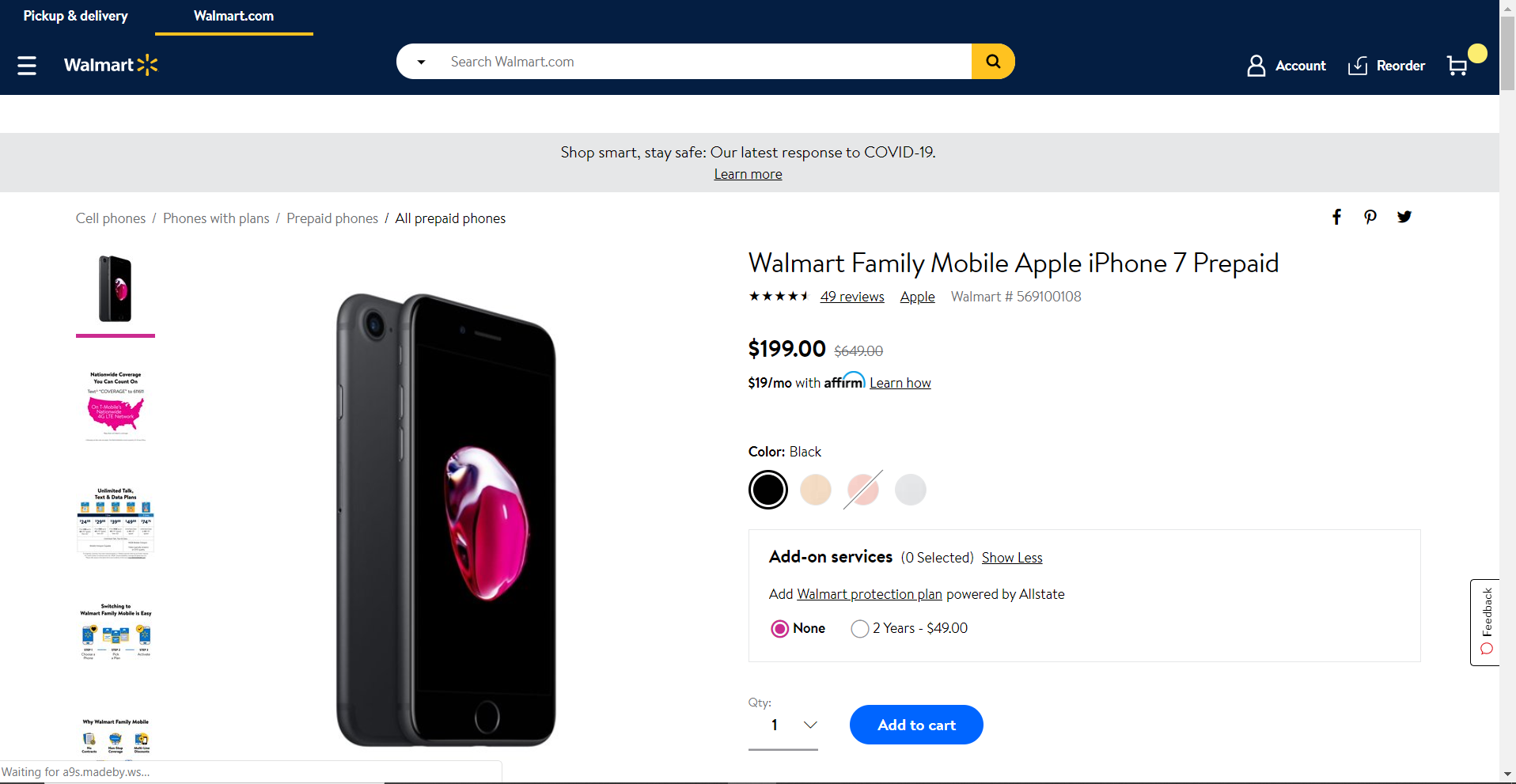


1. Search for the desired product in the displayed list and click buy button which is right under the description of that particular product.

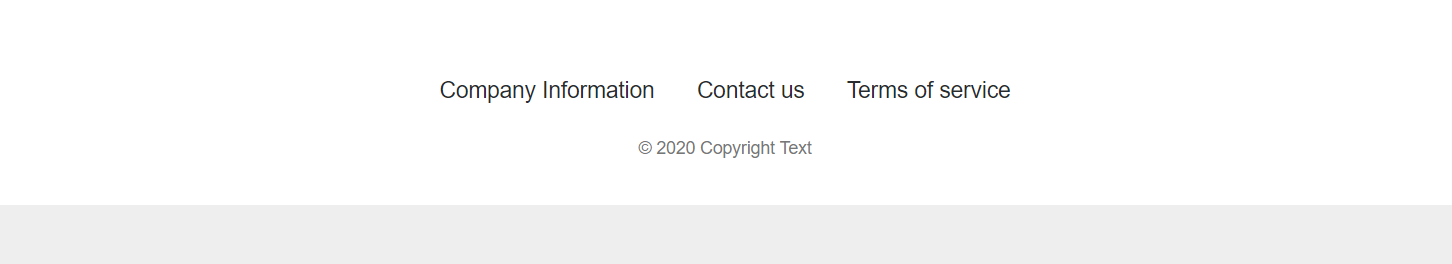


Buy Button

1. When we hit the buy button, the page will automatically redirected to the respective website given.



1. Also, the three options available in the footer of the home page can be accessed for necessary purposes.



**DESIGN FOR THE WEBPAGE :**

HOME PAGE

This option directs to another page which consists of the about and terms and conditions of the page.

This option directs to a submission page where user can leave a message and give feedback about the webpage.

This option gives the company and direct contact information for the user who needs to communicate other than leaving a message.

This search option displays the list of items searched and related to the search in which can select any item to get into the shopping portal.

TERMS AND SERVICES

CONTACT

SEARCH BAR

COMPANY INFORMATION

**IMPLEMENTATION:**

**Index.html :**

<!DOCTYPE html>

<head>

<title>Webstore navigator for Walmart and BestBuy</title>

<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css" integrity="sha384-BVYiiSIFeK1dGmJRAkycuHAHRg32OmUcww7on3RYdg4Va+PmSTsz/K68vbdEjh4u" crossorigin="anonymous">

<link rel="stylesheet" type="text/css" href="./assets/webstorefrontstyle.css">

<link href="//maxcdn.bootstrapcdn.com/font-awesome/4.1.0/css/font-awesome.min.css" rel="stylesheet">

</head>

<body>

<div class="container-fluid">

<div class="row">

<div class="col-md-12">

<div class="jumbotron">

<h1 class="text-center">Webstore Navigator</h1>

</div>

</div>

</div>

<div class="row">

<div class="col-md-2"></div>

<div class="col-md-8">

<div class="input-group">

<div class="input-group-btn search-panel"

<button type="button" class="btn btn-default dropdown-toggle" data-toggle="dropdown">

<span id="search\_concept">Store</span> <span class="caret"></span>

</button>

<ul class="dropdown-menu" role="menu">

<li><a href="#bestbuy"><i class="fa fa-angle-double-right"></i> BestBuy</a></li>

<li><a href="#walmart"><i class="fa fa-angle-double-right"></i> Walmart</a></li

</ul>

</div>

<input type="hidden" name="search\_param" value="name" id="search\_param">

<input type="text" class="form-control" name="q" placeholder="Search.." id="search\_key" value="">

<span class="input-group-btn">

<a class="btn btn-default text-muted" href="http://adminlte.dev/user/item" title="Clear"><i class="glyphicon glyphicon-remove"></i> </a>

<button id="submitButton" class="btn btn-info" type="submit">  Search  </button>

</span>

</div>

</div>

<div class="col-md-2"></div>

</div>

<div class="row">

<div class="col-md-1"></div>

<div class="col-md-10">

<div id="resultsGoHere">

</div>

</div>

<div class="col-md-1"></div>

</div>

<div class="content">

</div>

<footer id="myFooter">

<div class="container">

<ul>

<li><a href="new1.html">Company Information</a></li>

<li><a href="new 2.html">Contact us</a></li>

<li><a href="new 3.html">Terms of service</a></li>

</ul>

<p class="footer-copyright">© 2020 Copyright Text</p>

</div>

<div class="footer-social">

<a href="#" class="social-icons"></i></a>

<a href="#" class="social-icons"></i></a>

<a href="#" class="social-icons"></i></a>

</div>

</footer>

<script src="https://www.gstatic.com/firebasejs/4.6.2/firebase.js"></script>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>

<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js" integrity="sha384-Tc5IQib027qvyjSMfHjOMaLkfuWVxZxUPnCJA7l2mCWNIpG9mGCD8wGNIcPD7Txa" crossorigin="anonymous"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/underscore.js/1.8.3/underscore.js"></script>

<script type="text/javascript" src="assets/webstorefront.js"></script>

<script type="text/javascript" src="assets/test.js"></script>

</body>

</html>

**New1.html:**

<body>

<h2 style="text-align:center">Company Information</h2>

<div class="card">

<img src="pp.jpeg" alt="img" style="width:100%">

<h1>Dhanushram R</h1>

<p class="title">Student</p>

<p>Sri Krishna College of Engineering and Technology</p>

<p>Mail : dhanushram.r@gmail.com

<div style="margin: 24px 0;">

<a href="https://twitter.com/dhanushram\_r"><i class="fa fa-twitter"></i></a>

<a href="https://www.linkedin.com/in/dhanushram-ravichandran-72426a14a/"><i class="fa fa-linkedin"></i></a>

<a href="https://www.facebook.com/dhanushram00/"><i class="fa fa-facebook"></i></a>

</div>

<p><button>Contact</button></p>

</div>

</body>

</html>

**New 2.html :**

</style>

</head>

<body>

<div class="container">

<div style="text-align:center">

<h2>Contact Us</h2>

<p>Leave us a message or contact directly :</p>

</div>

<div class="row">

<div class="column">

<img src="pic1.jpg" style="width:100%">

</div>

<div class="column">

<form action="/action\_page.php">

<label for="fname">First Name</label>

<input type="text" id="fname" name="firstname" placeholder="Your name..">

<label for="lname">Last Name</label>

<input type="text" id="lname" name="lastname" placeholder="Your last name..">

<label for="country">Country</label>

<input type="text" id="country" name="country" placeholder="Your Country">

</select>

<label for="subject">Subject</label>

<textarea id="subject" name="subject" placeholder="Write something.." style="height:170px"></textarea>

<a href="new4.html" class="next">Submit</a>

</form>

</div>

</div>

</div>

</body>

</html>

**New3.html :**

<html>

</style>

</head>

<body>

<div class="container">

<div style="text-align:center">

<h2>Terms and Services</h2>

</div>

<div class="row">

<div class="column">

<img src="pic2.jpg" style="width:33%"> <img src="pic3.jpg" style="width:32.5%">

</div>

</div>

</div>

</body>

</html>

**Test.js :**

$(document).ready(function() {

var searchItem = "";

var productStore = "";

var nextItem = 0;

var search\_key = document.getElementById("search\_key");

var submitButton = document.getElementById("submitButton");

var config = {

apiKey: "AIzaSyBdBaKxOu6C2piPuA9vlZiopgTAvOtRtLU",

authDomain: "the-underdogs-webstorefront.firebaseapp.com",

databaseURL: "https://the-underdogs-webstorefront.firebaseio.com",

projectId: "the-underdogs-webstorefront",

storageBucket: "the-underdogs-webstorefront.appspot.com",

messagingSenderId: "546148526419"

};

firebase.initializeApp(config);

var database = firebase.database();

jQuery.ajaxPrefilter(function(options) {

if (options.crossDomain && jQuery.support.cors) {

options.url = 'https://cors-anywhere.herokuapp.com/' + options.url;

}

});

$('.search-panel .dropdown-menu').find('a').click(function(e) {

e.preventDefault();

var param = $(this).attr("href").replace("#", "");

var concept = $(this).text();

$('.search-panel span#search\_concept').text(concept);

$('.input-group #search\_param').val(param);

});

function decodeDescription(str) {

var elem = document.createElement('textarea');

elem.innerHTML = str;

return elem.value;

}

function validateInput() {

var validateItem = $("#search\_key").val().trim();

if (!validateItem.length) {

errorMsg = $('<p class="alert alert-danger">').text("Error: Search text cannot be empty.");

validInput = false;

} else {

if (validateItem.match(/[<>.&+?^$#{}()|[\]\\]/g) !== null) {

errorMsg = $('<p class="alert alert-danger">').text("Error: Search text contains invalid characters.");

validInput = false;

} else {

validInput = true;

}}

function getItems(searchItem, productStore, nextItem) {

switch (productStore) {

case "bestbuy":

getBestbuyItems(searchItem, nextItem);

break;

case "walmart":

getWalmartItems(searchItem, nextItem);

break;

default:

getWalmartItems(searchItem, nextItem);

}

}

function getWalmartItems(searchItem, nextItem) {

searchItem = searchItem.replace(' ', '+');

var walmartSeachApi = "http://api.walmartlabs.com/v1/search?query=" + searchItem + "&format=json&apiKey=hr27d9nbvt6ysz58fchv9nuz"

console.log(walmartSeachApi);

$.ajax({

url: walmartSeachApi,

method: "GET"

})

.done(function(response) {

console.log(response);

var results = response.items;

console.log(JSON.stringify(results));

$("#resultsGoHere").empty();

for (var i = 0; i < results.length; i++) {

var walmartSearchDiv = $("<div class='item well col-md-6'>");

var name = $("<p>").text(results[i].name);

var salePrice = $("<p>").text("Sale Price: $" + results[i].salePrice);

var descriptionText = decodeDescription(results[i].longDescription);

var url = $("<a>").text("Buy Here");

url.attr("class", "ButtonClass");

url.attr("href", results[i].productUrl)

var rating = $("<p>").text("Rating: " + parseFloat(results[i].customerRating).toFixed(1));

var walmartProductImage = $("<img>");

walmartProductImage.attr("src", results[i].mediumImage);

walmartSearchDiv.append(name);

walmartSearchDiv.append($("<br>"));

walmartSearchDiv.append(walmartProductImage);

walmartSearchDiv.append($("<br>"));

walmartSearchDiv.append(descriptionText);

walmartSearchDiv.append(salePrice);

walmartSearchDiv.append(rating);

walmartSearchDiv.append(url);

walmartSearchDiv.append($("<br>"));

$("#resultsGoHere").prepend(walmartSearchDiv);

}

});

}

function getBestbuyItems(searchItem, nextItem) {

searchItem = searchItem.replace(' ', '&search=')

var bestbuySearchApi = "https://api.bestbuy.com/v1/products((search=" + searchItem + "))?apiKey=5ReGnRKGq2prXr05cc8d23cg&sort=customerReviewAverage.asc&show=customerReviewAverage,description,image,longDescription,mobileUrl,name,regularPrice,salePrice,shortDescription,thumbnailImage,url&format=json";

console.log(bestbuySearchApi);

$.ajax({

url: bestbuySearchApi,

method: "GET"

})

.done(function(response) {

console.log(response);

var results = response.products;

console.log(JSON.stringify(results));

$("#resultsGoHere").empty();

for (var i = 0; i < results.length; i++) {

var bestbuySearchDiv = $("<div class='item well col-md-6'>");

var name = $("<p>").text(results[i].name);

var salePrice = $("<p>").text("Price: $" + results[i].regularPrice);

var descriptionText = decodeDescription(results[i].longDescription);

var url = $("<a>").text("Buy Here");

url.attr("class", "ButtonClass");

url.attr("href", results[i].url);

var rating = $("<p>").text("Rating: " + parseFloat(results[i].customerReviewAverage).toFixed(1));

var bestbuyProductImage = $("<img>");

bestbuyProductImage.attr("src", results[i].thumbnailImage);

bestbuySearchDiv.append(name);

bestbuySearchDiv.append($("<br>"));

bestbuySearchDiv.append(bestbuyProductImage);

bestbuySearchDiv.append($("<br>"))

bestbuySearchDiv.append(descriptionText);

bestbuySearchDiv.append(salePrice);

bestbuySearchDiv.append(rating);

bestbuySearchDiv.append(url);

bestbuySearchDiv.append($("<br>"));

$("#resultsGoHere").prepend(bestbuySearchDiv);

}

});

}

$(document).on("click", "#submitButton", function() {

event.preventDefault();

$("#resultsGoHere").empty();

validateInput();

if (!validInput) {

$("#resultsGoHere").append(errorMsg);

} else {

productStore = $("#search\_param").val();

searchItem = $("#search\_key").val().trim();

console.log(searchItem);

getItems(searchItem, productStore, nextItem);

}

// Initialize Firebase

database.ref("/searches/" + searchItem).set({

search: searchItem

})

});

});

**Webstorefront.js :**

$( document ).ready(function() {

$('#ToggleSideBar').on('click', function () {

$('#UnderdogsNav').toggleClass('NavHome');

});

// form validation

function validateSearchBtn() {

// var variablenameinAlexsCode = document.forms["nameofForminAexscode"]["nameinInputtype"].value;

// if (x == "") {

alert("Please enter a search value");

return false;

}

// update code in HTML for text data only,update with ID name for Search function from Alex html, input a placeholder for populating error message in HTML and set id to placeHolderErr, review

function textfunction() {

// var textValidity = document.getElementById("?????");

if (textValidity.checkValidity() == false) {

document.getElementById("placeHolderErr").innerHTML = textValidity.innerHTMLvariable;

}

else {

document.getElementById("placeHolderErr").innerHTML = "One second, we will get you some results";

}

}

// setcustomvalidity form validation

});