# Source: eventArtist.js

/\*\*  
 \* @file Retrieves and displays information about the event of the artist.  
 \* @author Michal Zbranek  
 \*/  
var sPageURL = window.location.search.substring(1);  
var sURLVariables = sPageURL.split('&');  
var artistId, artistName;  
var sfm = false;  
var table = "";  
for (var i = 0; i < sURLVariables.length; i++) {  
 var sParameterName = sURLVariables[i].split('=');  
 if (sParameterName[0] == 'id'){  
 artistId = sParameterName[1];  
 }  
 if (sParameterName[0] == 'name'){  
 artistName = sParameterName[1];  
 }  
 if (sParameterName[0] == 'sfm'){  
 sfm = true;  
 }  
}  
if ((localStorage.getItem("a" + artistId) == null)||(sfm == true)) {  
 searchArtist(artistId);  
}else{  
 for (var i = 0; i < localStorage.length; i++) {  
 if ( localStorage.key(i).substring(0,1).localeCompare('e') == 0) {  
 for (var x=0; x < localStorage.getItem(localStorage.key(i)).split('+')[13]; x++) {  
 if (localStorage.getItem(localStorage.key(i)).split('+')[14+x].localeCompare(localStorage.getItem("a" + artistId)) == 0) {  
 drawTable(localStorage.key(i).substring(1));  
 table += "<hr width='100%' size='5' color='#00586A'>";  
 }  
 }  
 }  
 document.getElementById("events").innerHTML = table;  
 }  
 table += "<a class='url' href='wikipedia.html?artist=" + artistName + "'><b>Wikipedia info</b></a>";  
 table += "<br><a class='url' href='eventArtist.html?id=" + artistId + "&name=" + artistName + "&sfm=true'><b>Search for more</b></a>";  
 document.getElementById("events").innerHTML = table;  
}  
  
/\*\*  
 \* Show event information of artist.  
 \* @param {string} number - id of the event.  
 \*/  
function drawTable(number) {  
 var venueVariables = localStorage.getItem("e" + number).split('+');  
 for (var i = 0; i < venueVariables.length; i++) {  
 switch (i) {  
 case 0: table += "<li class='events'>Date: " + venueVariables[i] + "</li>";  
 break;  
 case 1: table += "<br><li class='events' style='height:15px; font-size:15px'><b>Name: " + venueVariables[i] + "</b></li>";  
 break;  
 case 2: table += "<br><li class='events'>Address: " + venueVariables[i] + "</li>";  
 break;  
 case 3: table += "<li class='events'>, City: " + venueVariables[i] + "</li>";  
 break;  
 case 4: table += "<li class='events'>, State: " + venueVariables[i] + "</li>";  
 break;  
 case 5: table += "<li class='events'>, StateCode: " + venueVariables[i] + "</li>";  
 break;  
 case 6: table += "<li class='events'>, Country: " + venueVariables[i] + "</li>";  
 break;  
 case 7: table += "<li class='events'>, CountryCode: " + venueVariables[i] + "</li>";  
 break;  
 case 8: table += "<li class='events'>, ZipCode: " + venueVariables[i] + "</li>";  
 break;  
 case 9: { if (venueVariables[i] != "0") {  
 table += "<li class='events'>, Latitude: " + venueVariables[i] + "</li>";}  
 }  
 break;  
 case 10: { if (venueVariables[i] != "0") {  
 table += "<li class='events'>, Longitude: " + venueVariables[i] + "</li>";}  
 }  
 break;  
 case 11: { if (venueVariables[i] != "Not found"){  
 table += "<br><a class='url' href='" + venueVariables[i] + "'><li class='events'>Url: " + venueVariables[i] + "</li></a>";  
 } else { table += "<br><li class='events'>Url: " + venueVariables[i] + "</li>"; }  
 }  
 break;  
 case 12: { if (venueVariables[i] != "Not found"){  
 table += "<br><a class='url' href='" + venueVariables[i] + "'<br><li class='events'>Show on map</li></a>";}  
 }  
 break;  
 default:  
 }  
 }  
 for (var x=0; x<venueVariables[13]; x++) {  
 for(var i=0;i<localStorage.length;i++){  
 if ( localStorage.key(i).substring(0,1).localeCompare('a') == 0) {  
 if (localStorage.getItem(localStorage.key(i)).localeCompare(venueVariables[14+x]) == 0){  
 var id = localStorage.key(i).substring(1);  
 }  
 }  
 }  
 table += "<br><a class='url' href='eventArtist.html?id=" + id + "&name=" + venueVariables[14+x] + "'><li class='events' style='height:15px; font-size:15px'><b>Artist: " + venueVariables[14+x] + "</b></li></a>";  
 }  
 var ticketUrl = venueVariables[parseInt(venueVariables[13])+14];  
 if (ticketUrl != "Not found"){  
 table += "<br><a class='url' href='" + ticketUrl + "'><li class='events'>Buy tickets: " + ticketUrl + "</li></a>";  
 } else { table += "<br><li class='events'>Buy tickets: " + ticketUrl + "</li>"; }  
}  
  
/\*\*  
 \* Request data from API.  
 \* @param {string} artistId - id of the artist.  
 \*/  
function searchArtist(artistId) {  
 var url = "http://api.jambase.com/events?artistId=" + artistId + "&page=0&api\_key=cncesqtwe3w8gpstey3abca4";  
 var xmlHttp = new XMLHttpRequest();  
 xmlHttp.onreadystatechange = function() {  
 if (xmlHttp.readyState === 4 && xmlHttp.status === 200){  
 parseXML(xmlHttp);  
 }  
 };  
 xmlHttp.open("GET", url, true);  
 xmlHttp.send();  
}  
  
/\*\*  
 \* Parse the XML file and store its content.  
 \* @param {string} xml - xml response from API.  
 \*/  
function parseXML(xml) {  
 var xmlDoc = xml.responseXML;  
 var eventId, Name, Address, City, State, StateCode, Country, CountryCode,  
 ZipCode, Latitude, Longitude, Url, Map, Artist1, Artist2, Artist3, venueId,  
 artist1Id, artist2Id, artist3Id, tickerUrl, Date;  
 var total = xmlDoc.getElementsByTagName("TotalResults")[0].childNodes[0].nodeValue;  
 if ( total == 0){  
 table = "<li>Zero results were found.</li>";  
 document.getElementById("events").innerHTML = table;  
 return;  
 }  
 localStorage.setItem("a" + artistId, artistName);  
 for (var i = 0; i < xmlDoc.getElementsByTagName("TotalResults")[0].childNodes[0].nodeValue; i++) {  
  
 try {  
 Date = xmlDoc.getElementsByTagName("Events")[i].childNodes[1].childNodes[0].nodeValue;  
 eventId = xmlDoc.getElementsByTagName("Events")[i].childNodes[0].childNodes[0].nodeValue;  
 venueId = xmlDoc.getElementsByTagName("Venue")[i].childNodes[0].childNodes[0].nodeValue;  
 } catch (err) {}  
 try {  
 Name = xmlDoc.getElementsByTagName("Venue")[i].childNodes[1].childNodes[0].nodeValue;  
 } catch (err) {Name = "Not found";}  
 try {  
 Address = xmlDoc.getElementsByTagName("Venue")[i].childNodes[2].childNodes[0].nodeValue;  
 } catch (err) {Address = "Not found";}  
 try {  
 City = xmlDoc.getElementsByTagName("Venue")[i].childNodes[3].childNodes[0].nodeValue;  
 } catch (err) {City = "Not found";}  
 try {  
 State = xmlDoc.getElementsByTagName("Venue")[i].childNodes[4].childNodes[0].nodeValue;  
 } catch (err) {State = "Not found";}  
 try {  
 StateCode = xmlDoc.getElementsByTagName("Venue")[i].childNodes[5].childNodes[0].nodeValue;  
 } catch (err) {StateCode = "Not found";}  
 try {  
 Country = xmlDoc.getElementsByTagName("Venue")[i].childNodes[6].childNodes[0].nodeValue;  
 } catch (err) {Country = "Not found";}  
 try {  
 CountryCode = xmlDoc.getElementsByTagName("Venue")[i].childNodes[7].childNodes[0].nodeValue;  
 } catch (err) {CountryCode = "Not found";}  
 try {  
 ZipCode = xmlDoc.getElementsByTagName("Venue")[i].childNodes[8].childNodes[0].nodeValue;  
 } catch (err) {ZipCode = "Not found";}  
 try {  
 Latitude = xmlDoc.getElementsByTagName("Venue")[i].childNodes[10].childNodes[0].nodeValue;  
 } catch (err) {Latitude = "Not found";}  
 try {  
 Longitude = xmlDoc.getElementsByTagName("Venue")[i].childNodes[11].childNodes[0].nodeValue;  
 } catch (err) {Longitude = "Not found";}  
 try {  
 Url = xmlDoc.getElementsByTagName("Venue")[i].childNodes[9].childNodes[0].nodeValue;  
 } catch (err) {Url = "Not found";}  
 if (Latitude != "0"){  
 Map = "map.html?latitude=" + Latitude + "&longitude=" + Longitude;  
 } else {Map = "Not found";}  
 try {  
 ticketUrl = xmlDoc.getElementsByTagName("TicketUrl")[i].childNodes[0].nodeValue;  
 } catch (err) {ticketUrl = "Not found"}  
  
 var Artists = "";  
  
 for(var x = 0; x < xmlDoc.getElementsByTagName("Artists")[i].childNodes.length; x++){  
 Artists += xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[1].childNodes[0].nodeValue;  
 Artists += "+";  
 localStorage.setItem("a" + xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[0].childNodes[0].nodeValue,  
 xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[1].childNodes[0].nodeValue);  
 }  
  
 var artistsCount = xmlDoc.getElementsByTagName("Artists")[i].childNodes.length;  
 localStorage.setItem("e" + eventId, Date + "+" + Name + "+" + Address + "+" + City + "+" + State + "+" + StateCode + "+" +  
 Country + "+" + CountryCode + "+" + ZipCode + "+" + Latitude + "+" + Longitude + "+" + Url + "+" + Map + "+" +  
 artistsCount + "+" + Artists + ticketUrl);  
 localStorage.setItem("v" + venueId, Name + "+" + Address + "+" + City + "+" + State + "+" + StateCode + "+" +  
 Country + "+" + CountryCode + "+" + ZipCode + "+" + Latitude + "+" + Longitude + "+" + Url + "+" + Map);  
  
 table += "<li class='events'>Date: " + Date + "</li>";  
 table += "<br><li class='events' style='height:15px; font-size:15px'><b>Name: " + Name + "</b></li>";  
 table += "<br><li class='events'>Address: " + Address + "</li>";  
 table += "<li class='events'>, City: " + City + "</li>";  
 table += "<li class='events'>, State: " + State + "</li>";  
 table += "<li class='events'>, StateCode: " + StateCode + "</li>";  
 table += "<li class='events'>, Country: " + Country + "</li>";  
 table += "<li class='events'>, CountryCode: " + CountryCode + "</li>";  
 table += "<li class='events'>, ZipCode: " + ZipCode + "</li>";  
  
 if (Latitude!="0") {  
 table += "<li class='events'>, Latitude: " + Latitude + "</li>";  
 table += "<li class='events'>, Longitude: " + Longitude + "</li>";  
 }  
  
 try {table += "<br><a class='url' href='" + xmlDoc.getElementsByTagName("Venue")[i].childNodes[9].childNodes[0].nodeValue + "'><li class='events'>Url: " + xmlDoc.getElementsByTagName("Venue")[i].childNodes[9].childNodes[0].nodeValue + "</li></a>";  
 }  
 catch(err) {table += "<br><li class='events'>Url: Not found</li>";}  
  
 if(Latitude != "0"){  
 var url2 = "map.html?latitude=" + Latitude + "&longitude=" + Longitude;  
 table += "<br><a class='url' href='"+url2+"'<br><li class='events'>Show on map</li></a>";  
 }  
  
 for(var x = 0; x < xmlDoc.getElementsByTagName("Artists")[i].childNodes.length; x++){  
 try {  
 table += "<br><a class='url' href='eventArtist.html?id=" + xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[0].childNodes[0].nodeValue + "&name=" + xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[1].childNodes[0].nodeValue + "'><li class='events' style='height:15px; font-size:15px'><b>Artist: " + xmlDoc.getElementsByTagName("Artists")[i].childNodes[x].childNodes[1].childNodes[0].nodeValue + "</b></li></a>";  
 }  
 catch(err) {table += "<br><li class='events' style='height:15px; font-size:15px'><b>Artist: Not found</b></li>";}  
 }  
  
 try {table += "<br><a class='url' href='" + xmlDoc.getElementsByTagName("TicketUrl")[i].childNodes[0].nodeValue + "'><li class='events'>Buy tickets: " + xmlDoc.getElementsByTagName("TicketUrl")[i].childNodes[0].nodeValue + "</li></a>";  
 }  
 catch(err) {table += "<br><li class='events'>Buy tickets: Not found</li>";}  
  
 table += "<hr width='100%' size='5' color='#00586A'>"  
 }  
 table += "<a class='url' href='wikipedia.html?artist=" + artistName + "'><b>Wikipedia info</b></a>";  
 document.getElementById("events").innerHTML = table;  
}

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