using System.Collections.Generic;

public class Country

{

public string CountryName { get; set; }

public string CountryCode { get; set; }

}

public class State

{

public string StateName { get; set; }

public string StateCode { get; set; }

public string CountryCode { get; set; }

}

public class City

{

public string CityName { get; set; }

public string CityCode { get; set; }

public string StateCode { get; set; }

}

public class DataSource

{

List<Country> \_country = new List<Country>();

List<State> \_state = new List<State>();

List<City> \_city = new List<City>();

public List<Country> GetCountryList()

{

\_country.Clear();

CountryData();

return \_country;

}

public List<State> GetStateList()

{

\_state.Clear();

StateData();

return \_state;

}

public List<City> GetCityList()

{

\_city.Clear();

CityData();

return \_city;

}

private void CountryData()

{

\_country.Add(new Country { CountryName = "--Select A Country --", CountryCode = "None" });

\_country.Add(new Country { CountryName = "India", CountryCode = "IN" });

\_country.Add(new Country { CountryName = "USA", CountryCode = "US" });

\_country.Add(new Country { CountryName = "Canada", CountryCode = "CA" });

}

private void StateData()

{

\_state.Add(new State { StateName = "IndState1", CountryCode = "IN", StateCode = "INS1" });

\_state.Add(new State { StateName = "IndState2", CountryCode = "IN", StateCode = "INS2" });

\_state.Add(new State { StateName = "IndState3", CountryCode = "IN", StateCode = "INS3" });

\_state.Add(new State { StateName = "USAState1", CountryCode = "US", StateCode = "USS1" });

\_state.Add(new State { StateName = "USAState2", CountryCode = "US", StateCode = "USS2" });

\_state.Add(new State { StateName = "USAState3", CountryCode = "US", StateCode = "USS3" });

\_state.Add(new State { StateName = "CANState1", CountryCode = "CA", StateCode = "CAS1" });

\_state.Add(new State { StateName = "CANState2", CountryCode = "CA", StateCode = "CAS2" });

\_state.Add(new State { StateName = "CANState3", CountryCode = "CA", StateCode = "CAS3" });

}

private void CityData()

{

\_city.Add(new City { CityName = "IndianState1City1", CityCode = "City1", StateCode = "INS1" });

\_city.Add(new City { CityName = "IndianState1City2", CityCode = "City2", StateCode = "INS1" });

\_city.Add(new City { CityName = "IndianState2City1", CityCode = "City3", StateCode = "INS2" });

\_city.Add(new City { CityName = "IndianState2City2", CityCode = "City4", StateCode = "INS2" });

\_city.Add(new City { CityName = "IndianState3City1", CityCode = "City5", StateCode = "INS3" });

\_city.Add(new City { CityName = "IndianState3City2", CityCode = "City6", StateCode = "INS3" });

\_city.Add(new City { CityName = "USAState1City1", CityCode = "City9", StateCode = "USS1" });

\_city.Add(new City { CityName = "USAState1City2", CityCode = "City10", StateCode = "USS1" });

\_city.Add(new City { CityName = "USAState2City1", CityCode = "City11", StateCode = "USS2" });

\_city.Add(new City { CityName = "USAState2City2", CityCode = "City12", StateCode = "USS2" });

\_city.Add(new City { CityName = "USAState3City1", CityCode = "City13", StateCode = "USS3" });

\_city.Add(new City { CityName = "USAState3City2", CityCode = "City14", StateCode = "USS3" });

\_city.Add(new City { CityName = "CanadaState1City1", CityCode = "City17", StateCode = "CAS1" });

\_city.Add(new City { CityName = "CanadaState1City2", CityCode = "City18", StateCode = "CAS1" });

\_city.Add(new City { CityName = "CanadaState2City1", CityCode = "City19", StateCode = "CAS2" });

\_city.Add(new City { CityName = "CanadaState2City2", CityCode = "City20", StateCode = "CAS2" });

\_city.Add(new City { CityName = "CanadaState3City1", CityCode = "City21", StateCode = "CAS3" });

\_city.Add(new City { CityName = "CanadaState3City2", CityCode = "City22", StateCode = "CAS3" });

}

using System.Linq;

using System.Text;

protected void Page\_Load(object sender, EventArgs e)

{

string CountryID = Request.QueryString["CountryID"];

string StateID = Request.QueryString["StateID"];

if (CountryID != null)

{

DataSource ds = new DataSource();

StringBuilder strStates = new StringBuilder();

//Filter the state list based on country id

var stateList = ds.GetStateList().Where(i => i.CountryCode == CountryID).ToList<State>();

//Convert StateList object to JSON Format

strStates.Append("[");

for (int i = 0; i < stateList.Count(); i++)

{

strStates.Append("{");

strStates.Append("\"StateCode\":\"" + stateList[i].StateCode + "\",");

strStates.Append("\"StateName\":\"" + stateList[i].StateName + "\"");

strStates.Append("},");

}

strStates.Append("]");

var finalString = strStates.ToString().Substring(0, strStates.ToString().Length - 2) + "]";

//Send the response to the client

Response.ContentType = "application/json";

Response.ContentEncoding = Encoding.UTF8;

Response.Write(finalString.ToString());

Response.End();

}

if (StateID != null)

{

DataSource ds = new DataSource();

StringBuilder strCities = new StringBuilder();

//Filter the city list based on state id

var cityList = ds.GetCityList().Where(i => i.StateCode == StateID).ToList<City>();

//Convert CityList object to JSON Format

strCities.Append("[");

for (int i = 0; i < cityList.Count(); i++)

{

strCities.Append("{");

strCities.Append("\"CityCode\":\"" + cityList[i].StateCode + "\",");

strCities.Append("\"CityName\":\"" + cityList[i].CityName + "\"");

strCities.Append("},");

}

strCities.Append("]");

var finalString = strCities.ToString().Substring(0, strCities.ToString().Length - 2) + "]";

//Send the response to the client

Response.ContentType = "application/json";

Response.ContentEncoding = Encoding.UTF8;

Response.Write(finalString.ToString());

Response.End();

}

}

**HEAD**

<head id="Head1" runat="server">

<title>Cascading Dropdown Example </title>

**<script type="text/javascript" src=" Scripts/jquery-1.6.2.min.js"></script>**

<script type="text/javascript">

$(document).ready(function () {

$("#ddlCountry").change(function () {

$("#ddlState").html("");

var CountryID = $("#ddlCountry option:selected").val();

$.getJSON('ServerResponse.aspx?CountryID=' + CountryID, function (states) {

$.each(states, function () {

$("#ddlState").append($("<option></option>").val(this['StateCode']).html(this['StateName']));

});

});

});

$("#ddlState").change(function () {

$("#ddlCity").html("");

var StateID = $("#ddlState option:selected").val();

$.getJSON('ServerResponse.aspx?StateID=' + StateID, function (cities) {

$.each(cities, function () {

$("#ddlCity").append($("<option></option>").val(this['CityCode']).html(this['CityName']));

});

});

});

});

</script>

</head>

**BODY**

<body>

<form id="form1" runat="server">

<div>

<table>

<tr>

<td>

Country

</td>

<td>

<asp:DropDownList ID="ddlCountry" runat="server" />

</td>

</tr>

<tr>

<td>

State

</td>

<td>

<asp:DropDownList ID="ddlState" runat="server"/>

</td>

</tr>

<tr>

<td>

City

</td>

<td>

<asp:DropDownList ID="ddlCity" runat="server" />

</td>

</tr>

</table>

</div>

</form>

</body>

</html>