Project on: A project on creating a Case Cading dropdown List using Ajax Call in MVC Project

(Department & Student)

Algorithm:

* Make a predefined department List in Model/View Model.
* Go to controller Index Action and pass the Model /View Model into the Index View.
* In Index View create a Dropdown List and Populate the department and bind the dropdown list along with a class /id and we can also bind URL along with it
* Now make a Ajax call using the Student ID
* In Controller make an Action named Get Student and accepts Department Id as parameter string and creates the student under the appropriate Department ID.
* Use a LinQ using where condition to filter student based on Department ID.
* Pass the students Along with Get Student () method in return.

Coding:

Department View Model

public class DepartmentViewModel:Department

{

List<Department> departments = new List<Department>

{

new Department(){DepartmentId = 1,Code = "CSE"},

new Department(){DepartmentId = 2,Code = "ISE"},

new Department(){DepartmentId = 3,Code = "EEE"}

};

public virtual IEnumerable<SelectListItem> DepartmentSelectListItem

{

get {return new SelectList(departments,"DepartmentId","Code");}

}

}

Controller Index Action

public ActionResult Index(DepartmentViewModel model)

{

return View(model);

}

Index View:

Dropdown Population:

<div id=""> @Html.DropDownListFor(model => model.DepartmentId, Model.DepartmentSelectListItem, "-Select-", new { @class ="department", @action="Home/GetStudents"})</div>

@class ="department" will be use in Case of Ajax On Change , @action="Home/GetStudents" will be use in case of Ajax Url.

Ajax Call:

<div class="studentscontainer"></div>

<script src="~/Scripts/jquery-1.10.2.min.js"></script>

<script type="text/javascript">

$(function () {

$(".department").on('change', function() {

var $this = $(this);

var departmentId = $this.val();

var url = $this.attr('action');

var option = {

url: url,

data: { departmentId: departmentId },

type: 'get',

dataType: 'html'

};

if ( departmentId> 0) {

$.ajax(option).done(function (respons) {

$('.studentscontainer').html(respons);

});

}

});

});

Controller Get Student Action:

public ActionResult GetStudents(int departmentId)

{

List<Student> students = new List<Student>

{

new Student(){DepartmentId = 1, StudentId = 1, Name = "Mahade1",Address = "Dhaka"},

new Student(){DepartmentId = 1, StudentId = 1, Name = "Mahade1",Address = "Dhaka"},

new Student(){DepartmentId = 2, StudentId = 1, Name = "Mahade2",Address = "Dhaka"},

new Student(){DepartmentId = 2, StudentId = 1, Name = "Mahade2",Address = "Dhaka"},

new Student(){DepartmentId = 3, StudentId = 1, Name = "Mahade3",Address = "Dhaka"},

new Student(){DepartmentId = 3, StudentId = 1, Name = "Mahade3",Address = "Dhaka"},

};

students = students.Where(x => x.DepartmentId == departmentId).ToList();

return View( "GetStudent",students);

}