1. Ex 6-2 Entity Framework Integration With ASP MVC

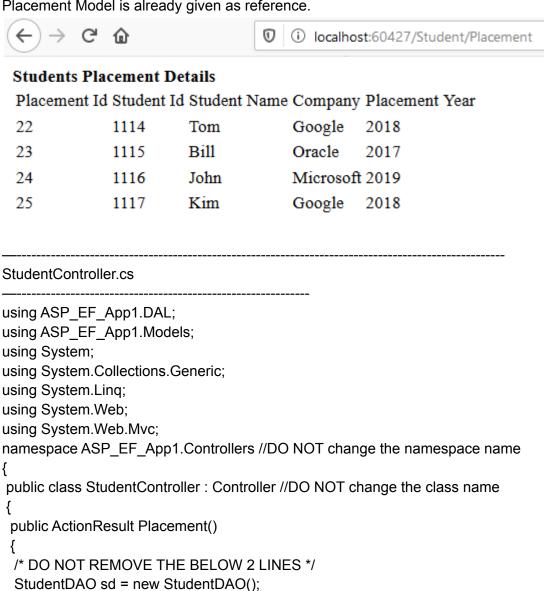In this exercise you will integrate ASP with Entity Framwork.

A set of records is already created in the database. Retrieve those data and display using Placement.cshtml

In the controller, implement the following actions.
a)   Placement– In this action, select ALL the placement records from the database and store it in a list of generic type Placement . Display the information from the list in the Placement.cshtml.

Placement Model is already given as reference.

localhost:60427/Student/Placement

Students Placement Details

Placement Id	Student Id	Student Name	Company	Placement Year
22	1114	Tom	Google	2018
23	1115	Bill	Oracle	2017
24	1116	John	Microsoft	2019
25	1117	Kim	Google	2018

—---

StudentController.cs

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```
using ASP_EF_App1.DAL;
using ASP_EF_App1.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
namespace ASP_EF_App1.Controllers //DO NOT change the namespace name
{
 public class StudentController : Controller //DO NOT change the class name
 {
  public ActionResult Placement()
  {
   /* DO NOT REMOVE THE BELOW 2 LINES */
   StudentDAO sd = new StudentDAO();
   sd.AddPlacements();
   /* END OF 2 LINES */
   //Implement code here
```

```
    CollegeContext cc = new CollegeContext();
    List<Placement> lp = cc.Placements.OrderBy(p => p.PlacementId).ToList();
    return View(lp);
  }
 }
}
```

——

CollegeContext.cs

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```
using ASP_EF_App1.Models;
using System;
using System.Collections.Generic;
using System.Data.Entity;
using System.Linq;
using System.Web;
namespace ASP_EF_App1.DAL //DO NOT change the namespace name
{
 public class CollegeContext :DbContext //DO NOT change the class name
 {
  public CollegeContext() : base("CollegeContext") //DO NOT change the context name
  {
  }
  //Implement property for 'Placements' with required declaration
  public DbSet<Placement> Placements {get; set;}
 }
}
```

——

Placement.cs

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```
//THIS IS FOR REFERENCE ONLY. YOU ARE NOT REQUIRED TO MAKE ANY CHANGES
HERE
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;

namespace ASP_EF_App1.Models
{
    public class Placement
    {
        public int PlacementId { get; set; }
        public int StudentId { get; set; }
        public String StudentName { get; set; }
        public String Company { get; set; }
        public String PlacementYear { get; set; }
    }
```

```
}
```

———

Placement.cshtml

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```cshtml
@model IEnumerable<ASP_EF_App1.Models.Placement>
<h1><b>Students Placements Details</b></h1>
<table>
 <tbody>
  <tr>
   <th>Placement Id</th>
   <th>Student Id</th>
   <th>Student Name</th>
   <th>Company</th>
   <th>Placement Year</th>
 </tr>
 @foreach(var student in Model)
 {
  <tr>
   <td>@student.PlacementId</td>
   <td>@student.StudentId</td>
   <td>@student.StudentName</td>
   <td>@student.Company</td>
   <td>@student.PlacementYear</td>
  </tr>
 }
 </tbody>
</table>
```