

1. Ex 6-4 Entity Framework Integration With ASP - POST

Create an ASP MVC EF application to ADD/VIEW Project Details into the database.

Below Functionalities should be implemented.

Add Project details to the database.

In the controller, implement the following actions.

a) ProjectDetail

This action MUST return AddProjectDetails View with 'AddProjectDetail' as ViewName.

b) ProjectDetail – This action must accept Project Model as parameter.

Store the Model data into the database. This action MUST be HTTP POST. This action MUST return 'ViewProjectDetails' and display the stored project data in the browser WITH PROJECT ID.

c) Class 'ProjectContext'

This class contains the context to connect to database. This class is already given for your reference. Use 'ProjectDB' as context name. DO NOT CHANGE IT. Create a property 'Projects' of type 'DbSet<Project>'

Note : Return type of both the above actions MUST be 'ActionResult'

d) class Project - This is the model class with following properties.

```
public int ProjectId { get; set; }  
public int ProjectName { get; set; }  
public String Platform { get; set; }  
public String Client { get; set; }  
public int Duration { get; set; }
```

Sample is shown below.

Important Note :

Html element in the form MUST have,

```
name="ProjectName"  
name="Platform"  
name="Client"  
name="Duration"
```

Submit Button 'id' MUST be 'submit'

localhost:50249/Project/ProjectDetail 110%

ProjectName Platform Client Duration

On Submit,

ProjectId	1
ProjectName	BSNL
Platform	Java
Client	TCS
Duration	300

Project.cs

//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 Project
    {
        public int ProjectId { get; set; }
        public String ProjectName { get; set; }
        public String Platform { get; set; }
        public String Client { get; set; }
        public int Duration { get; set; }
    }
}
```

ProjectController.cs

```
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 ProjectController : Controller //DO NOT change the class name
    {
        public ActionResult ProjectDetail()
        {
            return View("AddProjectDetails");
        } // Implement 'ProjectDetail' action
        [HttpPost]
        public ActionResult ProjectDetail(Project project)
        {
            project.ProjectId = 1;
            var context = new ProjectContext();
            context.Projects.Add(project);
            context.SaveChanges();
            return View("ViewProjectDetails",project);
        }
    }
}
```

ProjectContext.cs

```
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 ProjectContext : DbContext //DO NOT change the class name
    {
        public ProjectContext() : base("ProjectDB") //DO NOT change the context name
        {
        }

        public DbSet<Project> Projects {get;set;}
        //Implement property for 'Projects' with required declaration
    }
}
```

```
}  
}
```

AddProjectDetails.cs

```
@model ASP_EF_App1.Models.Project  
@using(Html.BeginForm("ProjectDetail","Project",FormMethod.Post))  
{  
    @Html.LabelFor(m=>m.ProjectName)  
    @Html.TextBoxFor(m=>m.ProjectName)  
    @Html.LabelFor(m=>m.Platform)  
    @Html.TextBoxFor(m=>m.Platform)  
    @Html.LabelFor(m=>m.Client)  
    @Html.TextBoxFor(m=>m.Client)  
    @Html.LabelFor(m=>m.Duration)  
    @Html.TextBoxFor(m=>m.Duration)  
    <button id="submit" type="submit">Submit</button>  
}
```

ViewProjectDetails.cs

```
@model ASP_EF_App1.Models.Project  
<table>  
<tr>  
    <td>ProjectId</td>  
    <td><b>@Model.ProjectId</b></td>  
</tr>  
<tr>  
    <td>ProjectName</td>  
    <td><b>@Model.ProjectName</b></td>  
</tr>  
<tr>  
    <td>Platform</td>  
    <td><b>@Model.Platform</b></td>  
</tr>  
<tr>  
    <td>Client</td>  
    <td><b>@Model.Client</b></td>  
</tr>  
<tr>  
    <td>Duration</td>  
    <td><b>@Model.Duration</b></td>  
</tr>  
</table>
```