

1.1 Truyền đối tượng, mảng đối tượng, đối tượng chứa đối tượng khác

1.1.1. Làm việc với 1 object

Model

```
public class Student
{
    [DisplayName("Nhập mã sv")]
    public string sid{ get; set; }

    [DisplayName("Nhập tên")]
    public string name{ get; set; }
    [DisplayName("Nhập tuổi")]
    public int age{ get; set; }

    [DisplayName("Nhập địa chỉ")]
    public string addr{ get; set; }
    public Student()
    {

    }

    public Student(string sid, string name, int age, string addr)
    {
        this.sid = sid;
        this.name = name;
        this.age = age;
        this.addr = addr;
    }
}
```

ActionResult:

```
public ActionResult DisplayAStudent(Student s)
{
    return View(s);
}
```

View:

```
@model WebApplication3_t5.Models.Student
<p><label>ID:</label>@Model.sid</p>
<p><label>ID:</label>@Model.name</p>
<p><label>ID:</label>@Model.age</p>
<p><label>ID:</label>@Model.addr</p>
```

1.1.2. Làm việc với list of object

ActionResult:

```
public ActionResult DisplayListStudent()
{
    List<Student> li = new List<Student>();
    li.Add(new Student("s01", "Lan", 19, "hn"));
    li.Add(new Student("s02", "Hoang", 20, "hp"));
    li.Add(new Student("s03", "Van Anh", 18, "hp"));
    li.Add(new Student("s04", "Tuan", 19, "hn"));

    return View(li);
}
```

View:

```
@model IEnumerable<WebApplication3_t5.Models.Student>
@{
    ViewBag.Title = "DisplayListStudent";
    Layout = "~/Views/Shared/_Layout2.cshtml";
}
```

```

}

<h2>DisplayListStudent</h2>

<p>
    @Html.ActionLink("Create New", "Create")
</p>
<table class="table">
    <tr>
        <th>
            @Html.DisplayNameFor(model => model.sid)
        </th>
        <th>
            @Html.DisplayNameFor(model => model.name)
        </th>
        <th>
            @Html.DisplayNameFor(model => model.age)
        </th>
        <th>
            @Html.DisplayNameFor(model => model.addr)
        </th>
    </tr>

    @foreach (var item in Model) {
        <tr>
            <td>
                @Html.DisplayFor(modelItem => item.sid)
            </td>
            <td>
                @Html.DisplayFor(modelItem => item.name)
            </td>
            <td>
                @Html.DisplayFor(modelItem => item.age)
            </td>
            <td>
                @Html.DisplayFor(modelItem => item.addr)
            </td>
        </tr>
    }
</table>

```

Hoặc tự viết dạng ngắn gọn:

```

1  @model IEnumerable<Proj1 Mvc.Models.Student>
2  @{
3      ViewBag.Title = "Abc_page";
4  }
5  <h2>This is the Abc.cshtml page, the page in Views/XYZ folder</h2>
6
7  @foreach (var item in Model)
8  {
9      <h2>@item.sid @item.firstname @item.lastname</h2>
10 }

```

1.1.3. Làm việc với object chứa object khác.

Model

```

public class Course
{
    public string cid{ get; set; }
    public string cname{ get; set; }
}

```

```

public class CouseStudent
{
    public Course course{ get; set; }
    public List<Student> students{ get; set; }

    public CouseStudent()
    {
        course = new Course();
        students = new List<Student>();
    }
}

```

Controller:

```

public ActionResult DisplayCouseStudent()
{
    CouseStudent cs = new CouseStudent();
    cs.course.cid = "c01";
    cs.course.cname = "Java";

    List<Student> li = new List<Student>();
    li.Add(new Student("s01", "Lan", 19, "hn"));
    li.Add(new Student("s02", "Hoang", 20, "hp"));
    li.Add(new Student("s03", "Van Anh", 18, "hp"));
    li.Add(new Student("s04", "Tuan", 19, "hn"));

    cs.students = li;
    return View(cs);
}

```

View:

```

@model WebApplication3_t5.Models.CouseStudent

@{
    ViewBag.Title = "Display Couse Student";
    Layout = "~/Views/Shared/_Layout2.cshtml";
}

<h2>Display Couse Student</h2>

<div>
    <h2>Couse Student</h2>
    <hr />
    <dl class="dl-horizontal">
    </dl>
    <h3>Course Information</h3>
    <ul>
        <li>@Model.course.cid</li>
        <li>@Model.course.cname</li>
    </ul>
    <h3>List of students:</h3>
    <table width="500px" border="1">
        <tr>
            <th>id</th>
            <th>name</th>
            <th>age</th>
            <th>address</th>
        </tr>
        @foreach (var item in Model.students)
        {
            <tr>
                <td>@item.sid</td>
                <td>@item.name</td>

```

```

        <td>@item.age</td>
        <td>@item.addr</td>
    </tr>
}
</table>
</div>

```

Hoặc viết ngắn gọn:

```

@model Proj1_mvc.Models.Student_Course
@{
    ViewBag.Title = "Abc page";
}
<h2>This is the Abc.cshtml page, the page in Views/Xyz folder</h2>
<h2>Course Title: @Model.course.coursename</h2>
@foreach (var item in Model.students)
{
    <h2>@item.sid @item.firstname @item.lastname</h2>
}

```