

***Entity Framework***

**Lab Guides**

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**Hanoi, 07/2019**

RECORD OF CHANGES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Effective Date | Change Description | Reason | Reviewer | Approver |
|  | 01/Oct/2018 | TuTB create new | Draft |  |  |
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|  | **CODE: NWEB.S.L004**  **TYPE: MEDIUM**  **LOC: 120**  **DURATION: 45 MINUTES** |

# Lab: Integrate Controller, View and Model

Objectives:

* Learn to Integrate Controller, View and Model.

Prerequisites:

* Complete lab NWEB.S.L001.

Problem Description:

* N/A

Guidelines:

### Step 1: Open MVC project that created in NWEB.S.L001

### Step 2: Add view Index.cshtml for Student model

@model IEnumerable<MVC\_BasicTutorials.Models.Student>

@{

ViewBag.Title = "Index";

Layout = "~/Views/Shared/\_Layout.cshtml";

}

<h2>Index</h2>

<p>

@Html.ActionLink("Create New", "Create")

</p>

<table class="table">

<tr>

<th>

@Html.DisplayNameFor(model => model.StudentName)

</th>

<th>

@Html.DisplayNameFor(model => model.Age)

</th>

<th></th>

</tr>

@foreach (var item in Model) {

<tr>

<td>

@Html.DisplayFor(modelItem => item.StudentName)

</td>

<td>

@Html.DisplayFor(modelItem => item.Age)

</td>

<td>

@Html.ActionLink("Edit", "Edit", new { id=item.StudentId }) |

@Html.ActionLink("Details", "Details", new { id=item.StudentId }) |

@Html.ActionLink("Delete", "Delete", new { id = item.StudentId })

</td>

</tr>

}

</table>

### Step 3: Passing Model from Controller

public class StudentController : Controller

{

// GET: Student

public ActionResult Index()

{

var studentList = new List<Student>{

new Student() { StudentId = 1, StudentName = "John", Age = 18 } ,

new Student() { StudentId = 2, StudentName = "Steve", Age = 21 } ,

new Student() { StudentId = 3, StudentName = "Bill", Age = 25 } ,

new Student() { StudentId = 4, StudentName = "Ram" , Age = 20 } ,

new Student() { StudentId = 5, StudentName = "Ron" , Age = 31 } ,

new Student() { StudentId = 4, StudentName = "Chris" , Age = 17 } ,

new Student() { StudentId = 4, StudentName = "Rob" , Age = 19 }

};

// Get the students from the database in the real application

return View(studentList);

}

}

### Step 4: Run and check result

