



```
43         softwareName = "Training Management";
44     }
45     return softwareName;
46
47     }//GetSelectedSoftware()
48
49     private double GetSoftwareRate()
50     {
51         double rate = 100;
52         if (SoftwareCode == "PM")
53         {
54             rate = 100;
55         }
56         else if (SoftwareCode == "CM")
57         {
58             rate = 75;
59         }
60         else if (SoftwareCode == "TM")
61         {
62             rate = 80;
63         }//if
64
65         return rate;
66     }//getSoftwareRate
67
68     public double GetMonthlyCharge()
69     {
70         double rate = GetSoftwareRate();
71         return this.Users * rate;
72     }
73
74     }//end BillModel
75 }//namespace
76
```

```

1  @*
2      This is the comment section.
3      Created by Dr. Paravastu
4      The @model statement at the top of the view file specifies the type
        of object that the view expects. This @model directive allows
        access to the BillModel that the controller passed to the view.
        The Model object is strongly typed.
5  *@
6  @model BillModel
7  @{
8      Layout = null;
9  }
10 <!DOCTYPE html>
11 <html>
12     <head>
13         <meta charset="utf-8" />
14         <meta name = "viewport" content = "width=device-width" />
15         <title>Index</title>
16         <link rel="stylesheet" href= "~/css~/css/site.css" />
17         @*
18             created by Dr. Paravastu
19             33333333333333333333333333333333
20             The index page loads first. it has a select with several
                options. when the user enters name and
21             selects software from list and enters number of users, the
                page posts to confirmation page and displays
22             result as a table.
23             If form has errors, it will not post.
24         *@
25
26     </head>
27     <body>
28         <h1>Software Billing Form</h1>
29         <form asp-controller="Home" asp-action="Index" method="post">
30             <div>
31                 <p><label asp-for="CustomerName">Customer Name: </label>
32                     <input asp-for = "CustomerName" /></p>
33                 <p>
34                     <label>Select Software Package: </label>
35                     <select asp-for = "SoftwareCode" asp-items =
36                         "Model.SoftwareList"></select>
37                 </p>
38                 <p>
39                     <label asp-for="Users">Number of Users: </label>
40                     <input asp-for = "Users" />
41                 </p>
42                 <p>
43                     <button type="submit">Submit</button>

```

```
42         </p>
43
44     </div>
45
46
47     </form>
48 </body>
49
50 </html>
```

```

1 using Microsoft.AspNetCore.Mvc;
2 using SoftwareProviderApp.Models;
3
4 //created by Dr. Paravastu
5 //22222222222222222222222222222222
6 namespace SoftwareProviderApp.Controllers
7 {
8     public class HomeController : Controller
9     {
10         [HttpGet]
11         public IActionResult Index()
12         {
13             return View(new BillModel()); //using statement should be included.
14         }
15         [HttpPost]
16         public IActionResult Index(BillModel billModel)
17         {
18             if (ModelState.IsValid)
19             {
20                 return View("Confirmation", billModel);
21             }
22             return Redirect("/");
23         }
24     }
25 }
26
27 }
28

```

```

1  @*
2      Created by Dr. Paravastu
3      44444444444444444444444444444444
4  *@
5  @model BillModel
6  @{
7      Layout = null;
8  }
9  <!DOCTYPE html>
10 <html>
11     <head>
12         <meta charset="utf-8" />
13         <meta name="viewport" content="width=device-width" />
14         <title>Index</title>
15         <link rel="stylesheet" href="~/css~/css/site.css" />
16
17
18     </head>
19     <body>
20         <h1>Billing Confirmation</h1>
21         <table>
22             <tr>
23                 <td>Customer name: </td>
24                 @*call and display the property here from the billmodel
25                 class to display customer name.*@
26                 <td>@Model.CustomerName</td>
27             </tr>
28             <tr>
29                 <td>Software: </td>
30                 @*Call the method here to display selected software.*@
31                 <td>@Model.GetSelectedSoftware()</td>
32             </tr>
33             <tr>
34                 @*Call GetMonthlyCharge() method to display monthly
35                 charge.*@
36                 <td>Monthly Charge: </td>
37                 <td>@Model.GetMonthlyCharge()</td>
38             </tr>
39         </table>
40     </body>
41 </html>

```