



UTHM

Universiti Tun Hussein Onn Malaysia

UNIVERSITI TUN HUSSEIN ONN MALAYSIA
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
(FSKTM)
SEMESTER I 2024/2025

DOTNET PROGRAMMING
BIE33103
SECTION 04

LAB 5
SIMPLE WEB APPLICATION USING MVC ARCHITECTURE

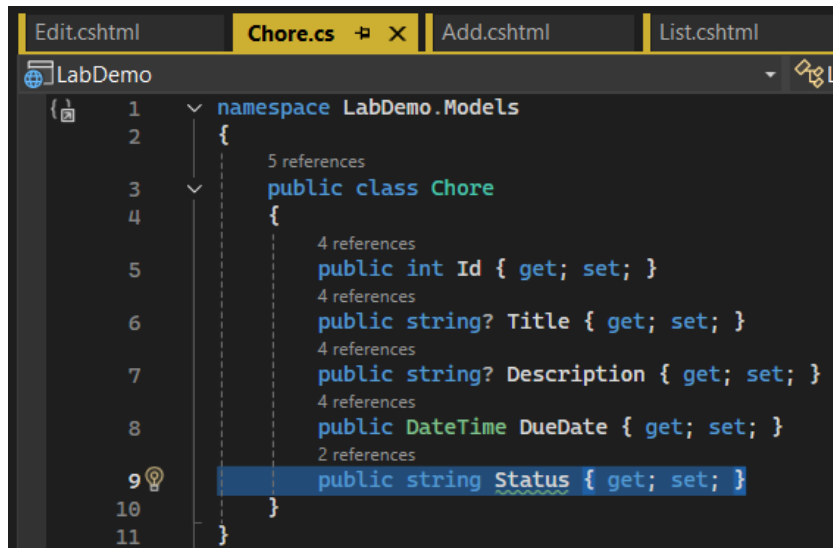
LECTURER'S NAME
MADAM NORHANIM BINTI SELAMAT

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Exercise:

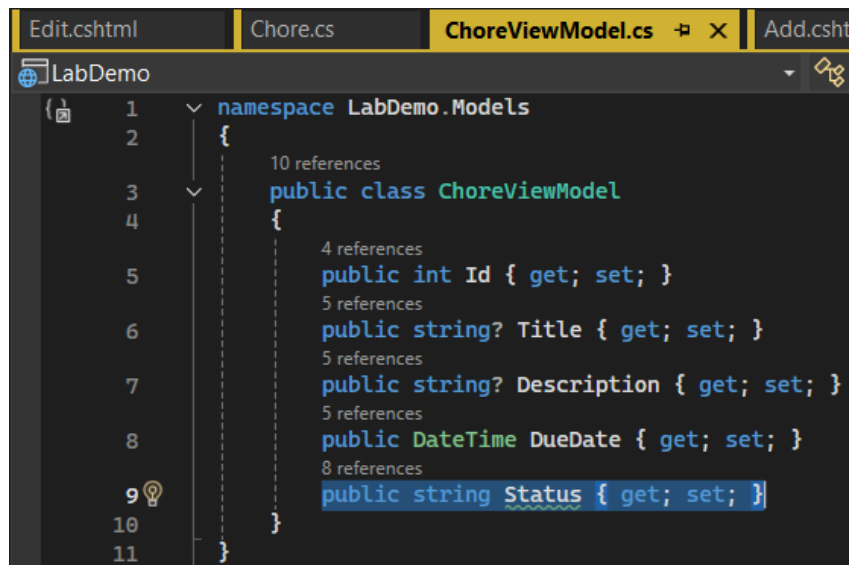
Based on examples that you have gone through during class, add property status, whether "ongoing" or "finished."

Chore.cs



```
1 namespace LabDemo.Models
2 {
3     5 references
4     public class Chore
5     {
6         4 references
7         public int Id { get; set; }
8         4 references
9         public string? Title { get; set; }
10        4 references
11        public string? Description { get; set; }
12        4 references
13        public DateTime DueDate { get; set; }
14        2 references
15        public string Status { get; set; }
16    }
17 }
```

ChoreViewModel.cs



```
1 namespace LabDemo.Models
2 {
3     10 references
4     public class ChoreViewModel
5     {
6         4 references
7         public int Id { get; set; }
8         5 references
9         public string? Title { get; set; }
10        5 references
11        public string? Description { get; set; }
12        5 references
13        public DateTime DueDate { get; set; }
14        8 references
15        public string Status { get; set; }
16    }
17 }
```

ChoreController.cs

```

[HttpGet]
0 references
public IActionResult Add()
{
    return View();
}
[HttpPost]
0 references
public async Task<IActionResult> Add(ChoreViewModel viewModel)
{
    var chores = new Chore
    {
        Title = viewModel.Title,
        Description = viewModel.Description,
        DueDate = viewModel.DueDate,
        Status = viewModel.Status
    };
    await dbContext.Chores.AddAsync(chores);
    await dbContext.SaveChangesAsync();
    return View();
}

```

```

{
    return NotFound();
}
return View(new ChoreViewModel
{
    Id = chore.Id,
    Title = chore.Title,
    Description = chore.Description,
    DueDate = chore.DueDate,
    Status = chore.Status
});

```

```

[HttpPost]
0 references
public async Task<IActionResult> Edit(ChoreViewModel viewModel)
{
    if (!ModelState.IsValid)
    {
        return View(viewModel);
    }
    var chore = await dbContext.Chores.FindAsync(viewModel.Id);
    if (chore == null)
    {
        return NotFound();
    }
    chore.Title = viewModel.Title;
    chore.Description = viewModel.Description;
    chore.DueDate = viewModel.DueDate;
    chore.Status = viewModel.Status;
    await dbContext.SaveChangesAsync();
    return RedirectToAction("List", "Chore");
}

```

Add.cshtml

```
Add.cshtml  Chore.cs  ChoreController.cs  ChoreViewModel.cs
0
@model LabDemo.Models.ChoreViewModel
<h1>Add Chore</h1>
<form method="post">
  <div class="mt-3">
    <label class="form-label"> Title </label>
    <input type="text" class="form-control" asp-for=Title />
  </div>
  <div class="mt-3">
    <label class="form-label"> Description </label>
    <input type="text" class="form-control" asp-for="Description" />
  </div>
  <div class="mt-3">
    <label class="form-label"> Due Date </label>
    <input type="date" class="form-control" asp-for="DueDate" />
  </div>
  <div class="mt-3">
    <label class="form-label"> Status </label>
    <select asp-for="Status" class="form-control">
      <option value="Ongoing">Ongoing</option>
      <option value="Finished">Finished</option>
    </select>
    <span asp-validation-for="Status" class="text-danger"></span>
  </div>
  <div class="mt-3">
    <button type="submit" class="btn btn-primary">Save</button>
  </div>
</form>
```

Edit.cshtml

```
Edit.cshtml  Add.cshtml  Chore.cs  ChoreController.cs  ChoreViewModel.cs  List.cshtml
C# LabDemo
25     </div>
26     <div class="mt-3">
27       <button type="submit" class="btn btn-primary">Save</button>
28     </div>
29     <div class="form-group">
30       <label asp-for="Status" class="control-label"></label>
31       <select asp-for="Status" class="form-control">
32         <option value="Ongoing" selected="@Model.Status == " Ongoing">Ongoing</option>
33         <option value="Finished" selected="@Model.Status == " Finished">Finished</option>
34       </select>
35       <span asp-validation-for="Status" class="text-danger"></span>
36     </div>
37   </form>
38 }
```

List.cshtml

```
List.cshtml  Add.cshtml  Chore.cs  ChoreController.cs  Chore

@model List<LabDemo.Models.Chore>
<h1>List of Chores</h1>
<a asp-controller="Chore" asp-action="Add" class="btn btn-primary">Add Chore</a>
<br />
<table class="table">
  <thead>
    <tr>
      <!--table row-->
      <th>ID</th> <!--table header-->
      <th>Title</th>
      <th>Description</th>
      <th>Due Date</th>
      <th>Status</th>
    </tr>
  </thead>
  <tbody>
```

```
List.cshtml  Add.cshtml  Chore.cs  ChoreCo

<tbody>
  @foreach (var chore in Model)
  {
    <tr>
      <td>@chore.Id</td>
      <td>@chore.Title</td>
      <td>@chore.Description</td>
      <td>@chore.DueDate.ToShortDateString</td>
      <td>@chore.Status</td>
      <td>
```

OUTPUT

List Of Chores Webpage

LabDemo Home Privacy Chore

List of Chores

[Add Chore](#)

ID	Title	Description	Due Date	Status		
2	Lab 3 DOTNET	WEB FORM WITH CRUD	12/1/2024	Ongoing	Edit	Delete
3	LAB4 DOTNET	MASTER PAGE AND CONTENT PAGE AND USING VALIDATOR	12/4/2024	Finished	Edit	Delete
4	LAB 5 DOTNET	SIMPLE WEB APPLICATION USING MVC ARCHITECTURE	12/12/2024	Finished	Edit	Delete

Add Chore Webpage

LabDemo Home Privacy Chore

Add Chore

Title

LAB 6 DOTNET

Description

MVC

Due Date

12/19/2024

Status

Ongoing

[Save](#)

LabDemo Home Privacy Chore

List of Chores

[Add Chore](#)

ID	Title	Description	Due Date	Status		
2	Lab 3 DOTNET	WEB FORM WITH CRUD	12/1/2024	Ongoing	Edit	Delete
3	LAB4 DOTNET	MASTER PAGE AND CONTENT PAGE AND USING VALIDATOR	12/4/2024	Finished	Edit	Delete
4	LAB 5 DOTNET	SIMPLE WEB APPLICATION USING MVC ARCHITECTURE	12/12/2024	Finished	Edit	Delete
5	LAB 6 DOTNET	MVC	12/19/2024	Ongoing	Edit	Delete

Delete & Edit Chore Webpage

Edit Chore

Id

2

Title

Lab 3 DOTNET

Description

WEB FORM WITH CRUD

Due Date

12/01/2024

Save

Status

Finished

Ongoing

Finished

List of Chores

Add Chore

ID	Title	Description	Due Date	Status		
2	Lab 3 DOTNET	WEB FORM WITH CRUD	12/1/2024	Finished	Edit	Delete
3	LAB4 DOTNET	MASTER PAGE AND CONTENT PAGE AND USING VALIDATOR	12/4/2024	Finished	Edit	Delete
4	LAB 5 DOTNET	SIMPLE WEB APPLICATION USING MVC ARCHITECTURE	12/12/2024	Finished	Edit	Delete