IT2030 Assignment 7 Matt Brown

**ProductController.cs**

using System.Collections.Generic;

using System.Linq;

using Microsoft.AspNetCore.Mvc;

using GuitarShop.Models;

namespace GuitarShop.Controllers

{

public class ProductController : Controller

{

private ShopContext context;

public ProductController(ShopContext ctx)

{

context = ctx;

}

public IActionResult Index()

{

return RedirectToAction("List", "Product");

}

[Route("[controller]s/{id?}")]

public IActionResult List(string id = "All")

{

var categories = context.Categories

.OrderBy(c => c.CategoryID).ToList();

List<Product> products;

if (id == "All")

{

products = context.Products

.OrderBy(p => p.ProductID).ToList();

}

else if (id == "Strings")

{

products = context.Products

.Where(p => p.Category.Name == "Guitars" || p.Category.Name == "Basses")

.OrderBy(p => p.ProductID).ToList();

}

else

{

products = context.Products

.Where(p => p.Category.Name == id)

.OrderBy(p => p.ProductID).ToList();

}

// use ViewBag to pass data to view

ViewBag.Categories = categories;

ViewBag.SelectedCategoryName = id;

if (id == "Strings")

{

ViewBag.SelectedCategoryName = "Strings";

}

// bind products to view

return View(products);

}

public IActionResult Details(int id)

{

var categories = context.Categories

.OrderBy(c => c.CategoryID).ToList();

Product product = context.Products.Find(id);

string imageFilename = product.Code + "\_m.png";

// use ViewBag to pass data to view

ViewBag.Categories = categories;

ViewBag.ImageFilename = imageFilename;

// bind product to view

return View(product);

}

}

}

**List.cshtml**

@model List<Product>

@{

ViewBag.Title = "Product List";

}

<h1>Product List</h1>

<div class="row">

<div class="col-sm-2">

<div class="list-group">

<a asp-controller="Product" asp-action="List" asp-route-id="All"

class="list-group-item

@(ViewBag.SelectedCategoryName == "All" ? "active" : "")">

All

</a>

@foreach (Category c in ViewBag.Categories)

{

<a asp-controller="Product" asp-action="List" asp-route-id="@c.Name"

class="list-group-item

@(ViewBag.SelectedCategoryName == c.Name ? "active" : "")">

@c.Name

</a>

}

<a asp-controller="Product" asp-action="List" asp-route-id="Strings"

class="list-group-item

@(ViewBag.SelectedCategoryName == "Strings" ? "active" : "")">

Strings

</a>

</div>

</div>

<div class="col-sm-10">

<table class="table table-bordered table-striped">

<thead>

<tr>

<th>Name</th>

<th>Price</th>

<th></th>

<th></th>

</thead>

<tbody>

@foreach (var product in Model)

{

<tr>

<td>@product.Name</td>

<td>@product.Price.ToString("C")</td>

<td>

<a asp-controller="Product" asp-action="Details"

asp-route-id="@product.ProductID"

asp-route-slug="@product.Slug">View Details</a>

</td>

<td>

<a asp-controller="Cart" asp-action="Add"

asp-route-id="@product.Slug">Add to Cart</a>

</td>

</tr>

}

</tbody>

</table>

</div>

</div>