**PRACTICAL 5**

**Aim: Develop ASP.NET Core MVC web application to display information about ten different birds in HTML table. Apply a style to the HTML table using bootstrap.css.**

**Code:**

**HomeController.cs :** (Controllers / HomeController.cs)

using System.Diagnostics;

using Microsoft.AspNetCore.Mvc;

using PRACTICAL5.Models;

namespace PRACTICAL5.Controllers;

public class HomeController : Controller

{

private readonly ILogger<HomeController> \_logger;

public HomeController(ILogger<HomeController> logger)

{

\_logger = logger;

}

public IActionResult Index()

{

var birds = new List<Bird>

{

new Bird { Name = "Eagle", ScientificName = "Aquila", Habitat = "Mountains" },

new Bird { Name = "Sparrow", ScientificName = "Passeridae", Habitat = "Urban areas" },

new Bird { Name = "Parrot", ScientificName = "Psittaciformes", Habitat = "Tropical forests" },

new Bird { Name = "Penguin", ScientificName = "Spheniscidae", Habitat = "Antarctica" },

new Bird { Name = "Owl", ScientificName = "Strigiformes", Habitat = "Forests" },

new Bird { Name = "Peacock", ScientificName = "Pavo", Habitat = "Rainforests" },

new Bird { Name = "Flamingo", ScientificName = "Phoenicopteridae", Habitat = "Lakes" },

new Bird { Name = "Robin", ScientificName = "Erithacus rubecula", Habitat = "Woodlands" },

new Bird { Name = "Kingfisher", ScientificName = "Alcedinidae", Habitat = "Rivers" },

new Bird { Name = "Hummingbird", ScientificName = "Trochilidae", Habitat = "Gardens" }

};

return View(birds);

}

public IActionResult Privacy()

{

return View();

}

[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]

public IActionResult Error()

{

return View(new ErrorViewModel { RequestId = Activity.Current?.Id ?? HttpContext.TraceIdentifier });

}

}

**Bird.cs :** (Models / Bird.cs)

namespace PRACTICAL5.Models

{

public class Bird

{

public string Name { get; set; }

public string ScientificName { get; set; }

public string Habitat { get; set; }

}

}

**Index.cshtml :** (Views / Home / Index.cshtml)

@{

ViewData["Title"] = "Bird Information";

}

@model IEnumerable<PRACTICAL5.Models.Bird>

<!DOCTYPE html>

<html>

<head>

<title>Bird Information</title>

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

</head>

<body>

<div class="container mt-5">

<h1 class="mb-4">Information About Birds</h1>

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

<thead class="thead-dark">

<tr>

<th>Name</th>

<th>Scientific Name</th>

<th>Habitat</th>

</tr>

</thead>

<tbody>

@foreach (var bird in Model)

{

<tr>

<td>@bird.Name</td>

<td>@bird.ScientificName</td>

<td>@bird.Habitat</td>

</tr>

}

</tbody>

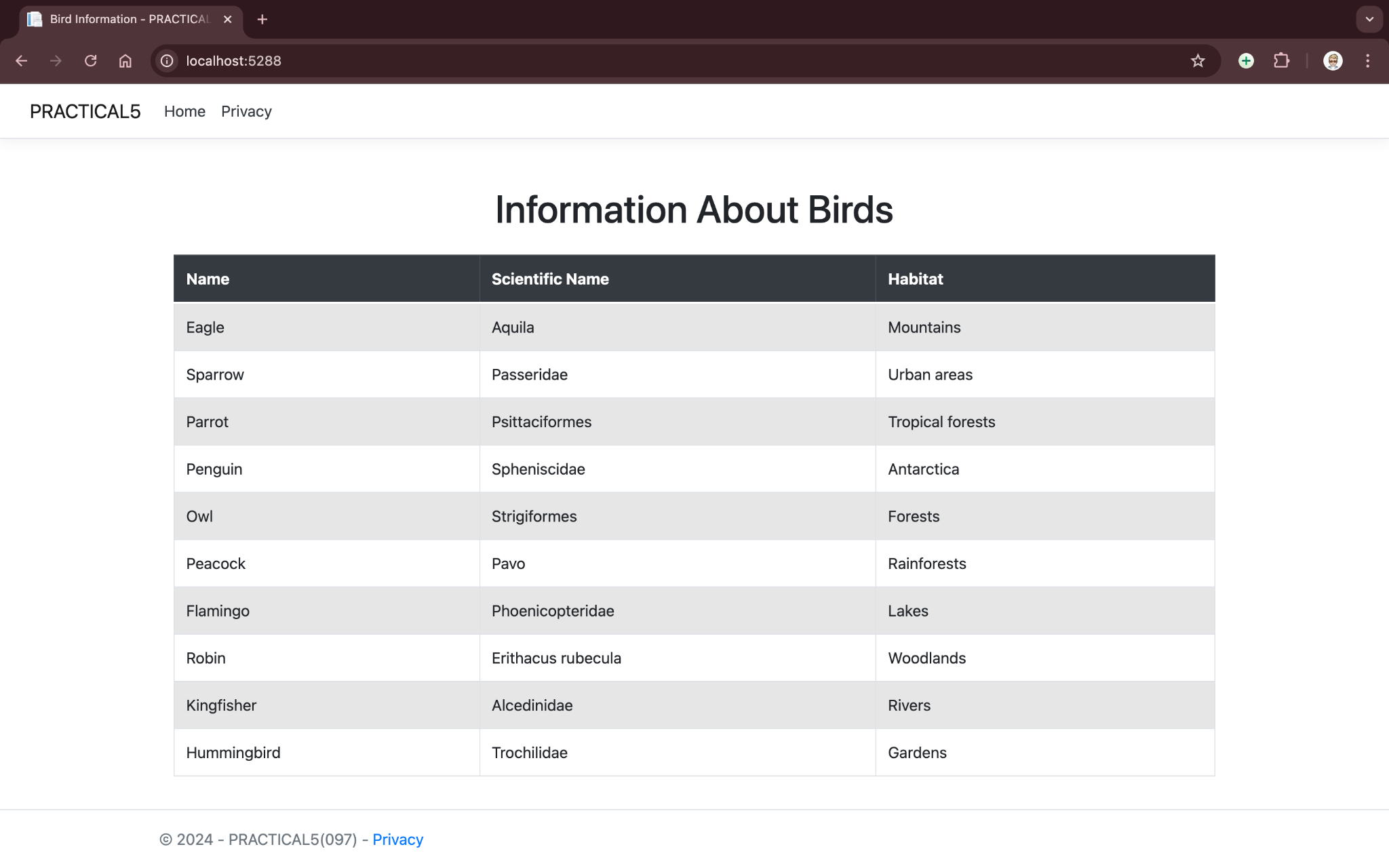
</table>

</div>

</body>

</html>

**Output:**

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