**APLICACIÓN VETERINARIA**

* Servicios y el modo administrativo en .**NET Core**
* Front end de la aplicación en **Xamarin Form** con ayuda de **Prism** es un framework que facilita el desarrollo permite ligar view con la viewModel
* Rescribir la aplicación en **Xamarin Classic**

|  |  |  |  |
| --- | --- | --- | --- |
| **Funcionality** | **WEB** | | **APP** |
| **Admin** | **Customer** | **Customer** |
| Login | X | X | X |
| Register |  | X | X |
| Modify profile | X | X | X |
| Recover password | X | X | X |
| Admin managers | X |  |  |
| Admin Owners | X |  |  |
| Admin Pets | X | X | X |
| Admin pet types | X |  |  |
| Admin agenda | X |  |  |
| Assign/ unassign appoinments | X | X | X |
| Admin clinic history for Pets | X |  |  |
| See clinic history | X | X | X |
| See veterinary on map |  |  | X |
| Service “Pet love” |  |  | X |

**Proyectos**

1. **MyVet.Common(librería .NET Estándar)\*:** Transversal a toda la solución es decir todo código reutilizable tanto en web como en app se coloca acá

**Backend (web)**

1. **MyVet.Web(librería .NET Core)\*:** Tiene dos funcionalidades implícitas
2. **Front End Web(Admin):**
3. **API:** Servicios de comunicaciones porque se quiere acceder además de web vía app.

**Frontend (Mobile)**

1. **MyVet.Prism\*:** Se tiene todo el código compartido con limitaciones en interface de usuario
2. **MiVet.Prism.Android\*:** Proyecto en android de xamarin form
3. **MiVet.Prism.Ios\*:** Proyecto en ios de xamarin form
4. **MyVet.Cross.Android\***
5. **MyVet.Cross.iOS\***

El 4 y 5 Comparten código de la librería .NET Estándar no se tiene limitante en la interface de usuario

**GITHUB**

1. Crear repositorio

**Visual Studio**

1. Clonar repositorio en una ruta corta
2. Crear una solución en blanco llamada **MyVet**
3. Crear el primer proyecto es .NET Estándar una class library llamado **MyVet.Common** tendrá todo el código que se comparte
4. Crear el 2do proyecto el cual es será de tipo ASP.NET Core Web Application y se llamará **MyVet.Web** en **Core 2.1** y se escoge la opción **web Application(Model-View-Controller)** y se le habilita HTTPS para que los servicios se puedan configurar de forma segura.
5. Creación del modelo Owner

public class Owner

{

public int Id { get; set; }

[Required]

[MaxLength(30)]

[Display(Name ="Documento")]

public string Document { get; set; }

[Required]

[MaxLength(50)]

[Display(Name = "Nombres")]

public string FirstName { get; set; }

[Required]

[MaxLength(50)]

[Display(Name = "Apellidos")]

public string LastName { get; set; }

[MaxLength(20)]

[Display(Name = "Teléfono fijo")]

public string FixedPhone { get; set; }

[Required]

[MaxLength(20)]

[Display(Name = "Teléfono celular")]

public string CellPhone { get; set; }

[MaxLength(100)]

[Display(Name = "Dirección")]

public string Address { get; set; }

[Display(Name = "Propietario")

public string FullNameWithDocument => $"{FirstName} {LastName} - {Document}";

[Display(Name = "Propietario")]

public string FullName => $"{FirstName} {LastName}";

public ICollection<Agenda> Agendas { get; set; }

public ICollection<Pet> Pets { get; set; }

}

1. Creación de la clase DataContext

public class DataContext : DbContext

{

public DataContext(DbContextOptions<DataContext> options) : base(options)

{

}

public DbSet<Owner> Owners { get; set; }

}

1. En .NET Core hay 3 archivos importantes en la configuración del proyecto

-**appsettings.json:** Se define el string de conexión, pero 1ro se mira las instancias que se tienen instaladas o si la conexión se va hacer a una maquina remota. Para el caso será local en este archivo se adiciona el string

*{*

*"Logging": {*

*"LogLevel": {*

*"Default": "Warning"*

*}*

*},*

*"AllowedHosts": "\*",*

*"ConnectionStrings": {*

*"DefaultConnection": "Server=(localdb)\\MSSQLLocalDB;Database=MyVet:Trusted\_Connection=True;MultipleActiveResultSets=True"*

*}*

*}*

- **Program.cs**

- **Starup.cs:** Se le dice al proyecto que use la bd.

public void ConfigureServices(IServiceCollection services)

{

services.Configure<CookiePolicyOptions>(options =>

{

// This lambda determines whether user consent for non-essential cookies is needed for a given request.

options.CheckConsentNeeded = context => true;

options.MinimumSameSitePolicy = SameSiteMode.None;

});

services.AddDbContext<DataContext>(cfg =>

{ cfg.UseSqlServer(Configuration.GetConnectionString("DefaultConnection"));

}); services.AddMvc().SetCompatibilityVersion(CompatibilityVersion.Version\_2\_1);

}

1. Se corren comandos en la consola nuget package manage asegurarse que este seleccionado el proyecto web y correr los siguientes comandos

Update-database

add-migration nombreMigracion

Update-database

1. Se crea controlador para owner
2. Base de datos inicial



1. Los otros 5 modelos
2. Agenda

*public class Agenda*

*{*

*public int Id { get; set; }*

*[Display(Name = "Fecha")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[DataType(DataType.DateTime)]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd HH:mm tt}", ApplyFormatInEditMode = true)]*

*public DateTime Date { get; set; }*

*[Display(Name = "Comentarios")]*

*public string Remarks { get; set; }*

*[Display(Name = "Disponible?")]*

*public bool IsAvailable { get; set; }*

*[Display(Name = "Fecha:")]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd HH:mm}")]*

*public DateTime DateLocal => Date.ToLocalTime();*

*public Pet Pet { get; set; }*

*public Owner Owner { get; set; }*

*}*

1. *Pet*

*public class Pet*

*{*

*public int Id { get; set; }*

*[Display(Name = "Nombre")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string Name { get; set; }*

*[Display(Name = "Imagen")]*

*public string ImageUrl { get; set; }*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*[Display(Name = "Raza")]*

*public string Race { get; set; }*

*[Display(Name = "Fecha de nacimiento")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[DataType(DataType.DateTime)]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd}", ApplyFormatInEditMode = true)]*

*public DateTime Born { get; set; }*

*[Display(Name = "Comentarios")]*

*public string Remarks { get; set; }*

*//TODO: replace the correct URL for the image*

*public string ImageFullPath => string.IsNullOrEmpty(ImageUrl)*

*? null*

*: $"https://TBD.azurewebsites.net{ImageUrl.Substring(1)}";*

*[Display(Name = "Fecha de nacimiento")]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd}", ApplyFormatInEditMode = true)]*

*public DateTime BornLocal => Born.ToLocalTime();*

*public PetType PetType { get; set; }*

*public ICollection<History> Histories { get; set; }*

*public ICollection<Agenda> Agendas { get; set; }*

*}*

1. *History*

*public class History*

*{*

*public int Id { get; set; }*

*[Display(Name = "Descripción")]*

*[MaxLength(100, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string Description { get; set; }*

*[Display(Name = "Fecha")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd}", ApplyFormatInEditMode = true)]*

*public DateTime Date { get; set; }*

*[Display(Name = "Comentarios")]*

*public string Remarks { get; set; }*

*[Display(Name = "Fecha:")]*

*[DisplayFormat(DataFormatString = "{0:yyyy/MM/dd}", ApplyFormatInEditMode = true)]*

*public DateTime DateLocal => Date.ToLocalTime();*

*public ServiceType ServiceType { get; set; }*

*}*

1. *Pettype*

*public class PetType*

*{*

*public int Id { get; set; }*

*[Display(Name = "Tipo de mascota")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string Name { get; set; }*

*public Owner Owner { get; set; }*

*public ICollection<Pet> Pets { get; set; }*

*}*

1. *ServiceType*

public class ServiceType

*{*

*public int Id { get; set; }*

*[Display(Name = "Tipo de servicio")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string Name { get; set; }*

*public ICollection<History> Histories { get; set; }*

*}*

1. *Añadir las otras tablas al datacontext*

*public class DataContext : DbContext*

*{*

*public DataContext(DbContextOptions<DataContext> options) : base(options)*

*{*

*}*

*public DbSet<Owner> Owners { get; set; }*

*public DbSet<Agenda> Agendas { get; set; }*

*public DbSet<History> Histories { get; set; }*

*public DbSet<Pet> Pets { get; set; }*

*public DbSet<PetType> PetTypes { get; set; }*

*public DbSet<ServiceType> ServiceTypes { get; set; }*

*}*

1. *Agregar otra migración*

*Add-migration CompleteDB*

*Update-database*

1. *Alimentador de base de datos registros de prueba*

*public class SeedDb*

*{*

*private readonly DataContext \_context;*

*public SeedDb(DataContext context)*

*{*

*\_context = context;*

*}*

*public async Task SeedAsync()*

*{*

*await \_context.Database.EnsureCreatedAsync();*

*await CheckPetTypesAsync();*

*await CheckServiceTypesAsync();*

*await CheckOwnersAsync();*

*await CheckPetsAsync();*

*await CheckAgendasAsync();*

*}*

*private async Task CheckPetsAsync()*

*{*

*var owner = \_context.Owners.FirstOrDefault();*

*var petType = \_context.PetTypes.FirstOrDefault();*

*if (!\_context.Pets.Any())*

*{*

*AddPet("Otto", owner, petType, "Shih tzu");*

*AddPet("Killer", owner, petType, "Dobermann");*

*await \_context.SaveChangesAsync();*

*}*

*}*

*private async Task CheckServiceTypesAsync()*

*{*

*if (!\_context.ServiceTypes.Any())*

*{*

*\_context.ServiceTypes.Add(new ServiceType { Name = "Consulta" });*

*\_context.ServiceTypes.Add(new ServiceType { Name = "Urgencia" });*

*\_context.ServiceTypes.Add(new ServiceType { Name = "Vacunación" });*

*await \_context.SaveChangesAsync();*

*}*

*}*

*private async Task CheckPetTypesAsync()*

*{*

*if (!\_context.PetTypes.Any())*

*{*

*\_context.PetTypes.Add(new PetType { Name = "Perro" });*

*\_context.PetTypes.Add(new PetType { Name = "Gato" });*

*await \_context.SaveChangesAsync();*

*}*

*}*

*private async Task CheckOwnersAsync()*

*{*

*if (!\_context.Owners.Any())*

*{*

*AddOwner("8989898", "Carolina", "Russi", "234 3232", "310 322 3221", "Calle Luna Calle Sol");*

*AddOwner("7655544", "Alfonso", "Mercado", "343 3226", "300 322 3221", "Calle 77 #22 21");*

*AddOwner("6565555", "Maria", "López", "450 4332", "350 322 3221", "Carrera 56 #22 21");*

*await \_context.SaveChangesAsync();*

*}*

*}*

*private void AddOwner(string document, string firstName, string lastName, string fixedPhone, string cellPhone, string address)*

*{*

*\_context.Owners.Add(new Owner*

*{*

*Address = address,*

*CellPhone = cellPhone,*

*Document = document,*

*FirstName = firstName,*

*FixedPhone = fixedPhone,*

*LastName = lastName*

*});*

*}*

*private void AddPet(string name, Owner owner, PetType petType, string race)*

*{*

*\_context.Pets.Add(new Pet*

*{*

*Born = DateTime.Now.AddYears(-2),*

*Name = name,*

*Owner = owner,*

*PetType = petType,*

*Race = race*

*});*

*}*

*private async Task CheckAgendasAsync()*

*{*

*if (!\_context.Agendas.Any())*

*{*

*var initialDate = new DateTime(DateTime.Now.Year, DateTime.Now.Month, DateTime.Now.Day, 8, 0, 0);*

*var finalDate = initialDate.AddYears(1);*

*while (initialDate < finalDate)*

*{*

*if (initialDate.DayOfWeek != DayOfWeek.Sunday)*

*{*

*var finalDate2 = initialDate.AddHours(10);*

*while (initialDate < finalDate2)*

*{*

*\_context.Agendas.Add(new Agenda*

*{*

*Date = initialDate.ToUniversalTime(),*

*IsAvailable = true*

*});*

*initialDate = initialDate.AddMinutes(30);*

*}*

*initialDate = initialDate.AddHours(14);*

*}*

*else*

*{*

*initialDate = initialDate.AddDays(1);*

*}*

*}*

*await \_context.SaveChangesAsync();*

*}*

*}*

*}*

1. Se hace un cambio en la clase program inicialmente esta de esta forma

public class Program

{

public static void Main(string[] args)

{

CreateWebHostBuilder(args).Build().Run();

}

public static IWebHostBuilder CreateWebHostBuilder(string[] args) =>

WebHost.CreateDefaultBuilder(args)

.UseStartup<Startup>();

}

1. *Queda de esta forma*

public class Program

{

public static void Main(string[] args)

{

var host = CreateWebHostBuilder(args).Build();

RunSeeding(host);

host.Run();

}

private static void RunSeeding(IWebHost host)

{

var scopeFactory = host.Services.GetService<IServiceScopeFactory>();

using (var scope = scopeFactory.CreateScope())

{

var seeder = scope.ServiceProvider.GetService<SeedDb>();

seeder.SeedAsync().Wait();

}

}

public static IWebHostBuilder CreateWebHostBuilder(string[] args)

{

return WebHost.CreateDefaultBuilder(args).UseStartup<Startup>();

}

}

1. *Inyectar el seeder en el archivo de configuración en el starup*

*services.AddDbContext<DataContext>(cfg =>*

*{*

*cfg.UseSqlServer(Configuration.GetConnectionString("DefaultConnection"));*

*});*

*services.AddTransient<SeedDb>();*

*services.AddMvc().SetCompatibilityVersion(CompatibilityVersion.Version\_2\_1);*

1. *Crear controlador para agenda con respecto a la hora en la vista index en vez de mostrar el date se muestra el dateLocal*
2. *Adicionar al MER las tablas de usuario son del userEntity framework las 3 ms importantes son las mostradas y uma tabla manager que sirve para guardar los datos básicos de los administradores*



1. *Crear el modelo user el cual hereda del identityUser y se le adiciona los campos que se necesita que esta tabla no tiene para el caso de owner*
2. *En owner se reemplaza todo excepto la clave primaria y las relaciones por una relación con usuario*

*public class Owner*

*{*

*public int Id { get; set; }*

*public User User { get; set; }*

*public ICollection<Agenda> Agendas { get; set; }*

*public ICollection<Pet> Pets { get; set; }*

*}*

1. *Crea el modelo para manager que para integrarlo con el modelo de usuarios queda así*

*public class Manager*

*{*

*public int Id { get; set; }*

*public User User { get; set; }*

*}*

1. *En el datacontext ya no hereda del dbcontext así se le dice cual es la clase o modelo de usuario personalizado y tb se agrega la tabla manager queda así*

*public class DataContext : IdentityDbContext<User>*

*{*

*public DataContext(DbContextOptions<DataContext> options) : base(options)*

*{*

*}*

public DbSet<Manager> Managers { get; set; }

1. *Las tablas adicionales que están en otro color no se accede a ellas directamente, si no que se acceden por medio del userManager y roleManager*
2. *Crear carpeta llamada helper las cuales tienen interfaces y clases con utilidades*
3. *Se crea dentro de esta carpeta una interface llamada UserHelper que inicialmente tendrá 4 métodos*

*public interface IUserHelper*

*{*

*Task<User> GetUserByEmailAsync(string email);*

*Task<IdentityResult> AddUserAsync(User user, string password);*

*Task CheckRoleAsync(string roleName);*

*Task AddUserToRoleAsync(User user, string roleName);*

*Task<bool> IsUserInRoleAsync(User user, string roleName);*

*}*

1. *La clase userHelper*

*public class UserHelper : IUserHelper*

*{*

*private readonly UserManager<User> \_userManager;*

*private readonly RoleManager<IdentityRole> \_roleManager;*

*public UserHelper(*

*UserManager<User> userManager,*

*RoleManager<IdentityRole> roleManager)*

*{*

*\_userManager = userManager;*

*\_roleManager = roleManager;*

*}*

*public async Task<IdentityResult> AddUserAsync(User user, string password)*

*{*

*return await \_userManager.CreateAsync(user, password);*

*}*

*public async Task AddUserToRoleAsync(User user, string roleName)*

*{*

*await \_userManager.AddToRoleAsync(user, roleName);*

*}*

*public async Task CheckRoleAsync(string roleName)*

*{*

*var roleExists = await \_roleManager.RoleExistsAsync(roleName);*

*if (!roleExists)*

*{*

*await \_roleManager.CreateAsync(new IdentityRole*

*{*

*Name = roleName*

*});*

*}*

*}*

*public async Task<User> GetUserByEmailAsync(string email)*

*{*

*var user = await \_userManager.FindByEmailAsync(email);*

*return user;*

*}*

*public async Task<bool> IsUserInRoleAsync(User user, string roleName)*

*{*

*return await \_userManager.IsInRoleAsync(user, roleName);*

*}*

*}*

1. *Configurar la nueva inyección en el Starup*

*services.AddDbContext<DataContext>(cfg =>*

*{*

*cfg.UseSqlServer(Configuration.GetConnectionString("DefaultConnection"));*

*})*

*services.AddTransient<SeedDb>();*

*services.AddScoped<IUserHelper, UserHelper>(); services.AddMvc().SetCompatibilityVersion(CompatibilityVersion.Version\_2\_1);*

1. *Modifica el seeder*

public class SeedDb

{

private readonly DataContext \_dataContext;

private readonly IUserHelper \_userHelper;

public SeedDb(

DataContext context,

IUserHelper userHelper)

{

\_dataContext = context;

\_userHelper = userHelper;

}

public async Task SeedAsync()

{

await \_dataContext.Database.EnsureCreatedAsync();

await CheckRoles();

var manager = await CheckUserAsync("1010", "Diana", "Russi", "diana.russiposada@gmail.com", "350 634 2747", "Calle Luna Calle Sol", "Admin");

var customer = await CheckUserAsync("2020", "Diana", "Russi", "dianarussi@yahoo.com", "350 634 2747", "Calle Luna Calle Sol", "Customer");

await CheckPetTypesAsync();

await CheckServiceTypesAsync();

await CheckOwnerAsync(customer);

await CheckManagerAsync(manager);

await CheckPetsAsync();

await CheckAgendasAsync();

}

private async Task CheckRoles()

{

await \_userHelper.CheckRoleAsync("Admin");

await \_userHelper.CheckRoleAsync("Customer");

}

private async Task<User> CheckUserAsync(string document, string firstName, string lastName, string email, string phone, string address, string role)

{

var user = await \_userHelper.GetUserByEmailAsync(email);

if (user == null)

{

user = new User

{

FirstName = firstName,

LastName = lastName,

Email = email,

UserName = email,

PhoneNumber = phone,

Address = address,

Document = document

};

await \_userHelper.AddUserAsync(user, "123456");

await \_userHelper.AddUserToRoleAsync(user, role);

}

return user;

}

private async Task CheckPetsAsync()

{

if (!\_dataContext.Pets.Any())

{

var owner = \_dataContext.Owners.FirstOrDefault();

var petType = \_dataContext.PetTypes.FirstOrDefault();

AddPet("Otto", owner, petType, "Shih tzu");

AddPet("Killer", owner, petType, "Dobermann");

await \_dataContext.SaveChangesAsync();

}

}

private async Task CheckServiceTypesAsync()

{

if (!\_dataContext.ServiceTypes.Any())

{

\_dataContext.ServiceTypes.Add(new ServiceType { Name = "Consulta" });

\_dataContext.ServiceTypes.Add(new ServiceType { Name = "Urgencia" });

\_dataContext.ServiceTypes.Add(new ServiceType { Name = "Vacunación" });

await \_dataContext.SaveChangesAsync();

}

}

private async Task CheckPetTypesAsync()

{

if (!\_dataContext.PetTypes.Any())

{

\_dataContext.PetTypes.Add(new PetType { Name = "Perro" });

\_dataContext.PetTypes.Add(new PetType { Name = "Gato" });

await \_dataContext.SaveChangesAsync();

}

}

private async Task CheckOwnerAsync(User user)

{

if (!\_dataContext.Owners.Any())

{

\_dataContext.Owners.Add(new Owner { User = user });

await \_dataContext.SaveChangesAsync();

}

}

private async Task CheckManagerAsync(User user)

{

if (!\_dataContext.Managers.Any())

{

\_dataContext.Managers.Add(new Manager { User = user });

await \_dataContext.SaveChangesAsync();

}

}

private void AddPet(string name, Owner owner, PetType petType, string race)

{

\_dataContext.Pets.Add(new Pet

{

Born = DateTime.Now.AddYears(-2),

Name = name,

Owner = owner,

PetType = petType,

Race = race

});

}

private async Task CheckAgendasAsync()

{

if (!\_dataContext.Agendas.Any())

{

var initialDate = new DateTime(DateTime.Now.Year, DateTime.Now.Month, DateTime.Now.Day, 8, 0, 0);

var finalDate = initialDate.AddYears(1);

while (initialDate < finalDate)

{

if (initialDate.DayOfWeek != DayOfWeek.Sunday)

{

var finalDate2 = initialDate.AddHours(10);

while (initialDate < finalDate2)

{

\_dataContext.Agendas.Add(new Agenda

{

Date = initialDate,

IsAvailable = true

});

initialDate = initialDate.AddMinutes(30);

}

initialDate = initialDate.AddHours(14);

}

else

{

initialDate = initialDate.AddDays(1);

}

}

}

await \_dataContext.SaveChangesAsync();

}

}

}

1. *Borrar el controlador de owner y sus vistas y volverlo a crear y crear controlador para lo manger*
2. *Crear la opciones en el menú*
3. *Se ejecutan los siguientes comandos*

*drop-database*

*add-migration Users*

*update-database*

1. *Configurar las condiciones del password en el Starup*

services.Configure<CookiePolicyOptions>(options =>

{

// This lambda determines whether user consent for non-essential cookies is needed for a given request.

options.CheckConsentNeeded = context => true;

options.MinimumSameSitePolicy = SameSiteMode.None;

});

services.AddIdentity<User, IdentityRole>(cfg =>

{

cfg.User.RequireUniqueEmail = true;

cfg.Password.RequireDigit = false;

cfg.Password.RequiredUniqueChars = 0;

cfg.Password.RequireLowercase = false;

cfg.Password.RequireNonAlphanumeric = false;

cfg.Password.RequireUppercase = false;

}).AddEntityFrameworkStores<DataContext>();

1. También se le dice que la aplicación va a utiliza autentificación por eso se agrega tb en ese mismo archivo esta liea de código

*public void Configure(IApplicationBuilder app, IHostingEnvironment env)*

*{*

*if (env.IsDevelopment())*

*{*

*app.UseDeveloperExceptionPage();*

*}*

*else*

*{*

*app.UseExceptionHandler("/Home/Error");*

*app.UseHsts();*

*}*

*app.UseHttpsRedirection();*

*app.UseStaticFiles();*

*app.UseAuthentication();*

*app.UseCookiePolicy();*

*app.UseMvc(routes =>*

*{*

*routes.MapRoute(*

*name: "default",*

*template: "{controller=Home}/{action=Index}/{id?}");*

*});*

*}*

1. *Ya se prueba ya maneja usuarios y la se puede hacer ogin y logout*
2. *Crear controlador MVC muchas veces el entity sirve de modelo en otras toca crearlo como en el login*
3. *Vamos al menú para hacer la parte de como se mostraría el login y logout*

*<div class="navbar-collapse collapse">*

*<ul class="nav navbar-nav">*

*<li><a* ***asp-area****=""* ***asp-controller****="Home"* ***asp-action****="Index">Inicio</a></li>*

*<li><a* ***asp-area****=""* ***asp-controller****="Home"* ***asp-action****="About">Acerca de</a></li>*

*<li><a* ***asp-area****=""* ***asp-controller****="Home"* ***asp-action****="Contact">Contactanos</a></li>*

*@if (User.Identity.IsAuthenticated && User.IsInRole("Admin"))*

*{*

*<li><a* ***asp-area****=""* ***asp-controller****="Owners"* ***asp-action****="Index">Propietarios</a></li>*

*<li><a* ***asp-area****=""* ***asp-controller****="Managers"* ***asp-action****="Index">Administrador</a></li>*

*<li><a* ***asp-area****=""* ***asp-controller****="Agenda"* ***asp-action****="Index">Agenda</a></li>*

*}*

*</ul>*

<ul class="nav navbar-nav navbar-right">

@if (User.Identity.IsAuthenticated)

{

<li><a **asp-area**="" **asp-controller**="Account" **asp-action**="ChangeUser">@User.Identity.Name</a></li>

<li><a **asp-area**="" **asp-controller**="Account" **asp-action**="Logout">Logout</a></li>

}

else

{

<li><a **asp-area**="" **asp-controller**="Account" **asp-action**="Login">Login</a></li>

}

</ul>

*</div>*

1. *Crear controlador accountController dentro del cual crear la acción login el get y la propiedad privada de solo lectura*

public class AccountController : Controller

private readonly IUserHelper \_userHelper;

public AccountController(IUserHelper userHelper)

{

\_userHelper = userHelper;

}

public IActionResult Login()

{

return View();

}

{

public IActionResult Login()

{

return View();

}

}

1. *Crear el modelo loginviewmodel*

*public class LoginViewModel*

*{*

*[Required]*

*[EmailAddress]*

*public string Username { get; set; }*

*[Required]*

*[MinLength(6)]*

*public string Password { get; set; }*

*public bool RememberMe { get; set; }*

*}*

1. *la vista login*

*@model MyVet.Web.Models.LoginViewModel*

*@{*

*ViewData["Title"] = "Login";*

*}*

*<h2>Inicio de sesión</h2>*

*<div class="row">*

*<div class="col-md-4 offset-md-4">*

*<form method="post">*

*<div* ***asp-validation-summary****="ModelOnly"></div>*

*<div class="form-group">*

*<label* ***asp-for****="Username">Usuario</label>*

*<input* ***asp-for****="Username" class="form-control" />*

*<span* ***asp-validation-for****="Username" class="text-warning"></span>*

*</div>*

*<script src="~/lib/jquery-validation/dist/jquery.validate.js"></script>*

*<div class="form-group">*

*<label* ***asp-for****="Password">Contraseña</label>*

*<input* ***asp-for****="Password"* ***type****="password" class="form-control" />*

*<span* ***asp-validation-for****="Password" class="text-warning"></span>*

*</div>*

*<div class="form-group">*

*<div class="form-check">*

*<input* ***asp-for****="RememberMe"* ***type****="checkbox" class="form-check-input" />*

*<label* ***asp-for****="RememberMe" class="form-check-label">Recordarme?</label>*

*</div>*

*<span* ***asp-validation-for****="RememberMe" class="text-warning"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Login" class="btn btn-success" />*

*<a* ***asp-action****="Register" class="btn btn-primary">Registrar nuevo usuario</a>*

*</div>*

*</form>*

*</div>*

*</div>*

*@section Scripts {*

*@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}*

*}*

1. *En la interface de userHelper adicionar metodos para loguearse y desloguearse*

Task<SignInResult> LoginAsync(LoginViewModel model);

Task LogoutAsync();

1. *Implementar esos dos metodos en la clase de userHelper*

private readonly SignInManager<User> \_signInManager;

public UserHelper(

UserManager<User> userManager,

RoleManager<IdentityRole> roleManager,

SignInManager<User> signInManager)

{

\_userManager = userManager;

\_roleManager = roleManager;

\_signInManager = signInManager;

}

public async Task<SignInResult> LoginAsync(LoginViewModel model)

{

return await \_signInManager.PasswordSignInAsync(

model.Username,

model.Password,

model.RememberMe,

false);

}

public async Task LogoutAsync()

{

await \_signInManager.SignOutAsync();

}

1. Crear el post de la acción login

*[HttpPost]*

*public async Task<IActionResult> Login(LoginViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*var result = await \_userHelper.LoginAsync(model);*

*if (result.Succeeded)*

*{*

*if (Request.Query.Keys.Contains("ReturnUrl"))*

*{*

*return Redirect(Request.Query["ReturnUrl"].First());*

*}*

*return RedirectToAction("Index", "Home");*

*}*

*}*

*ModelState.AddModelError(string.Empty, "Failed to login.");*

*return View(model);*

*}*

1. *Acción logout en el controlador account*

*public async Task <IActionResult> Logout()*

*{*

*await \_userHelper.LogoutAsync();*

*return RedirectToAction("Index", "Home");*

*}*

1. *Colocar en los controladores la anotación de authorice para que solo deje ingresar al usuario admin para el caso de owner, manager y agenda*

[Authorize(Roles ="Admin")]

1. Controlador con izard para tipos de mascotas y de servicio
2. Modificaciones en la acción index de owner para que incluya usuarios y mascotas

*public IActionResult Index()*

*{*

*return View( \_context.Owners*

*.Include(o=> o.User)*

*.Include(o=> o.Pets));*

*}*

1. *Hacer cambios en la vista referentes a ropa de botones y mostrar la tabla con los campos mas importantes de owner*

@model IEnumerable<MyVet.Web.Data.Entities.Owner>

@{

ViewData["Title"] = "Index";

}

<h2>Propietario</h2>

<p>

<a **asp-action**="Create" class="btn btn-primary">Agregar</a>

</p>

<table class="table">

<thead>

<tr>

<th>

@Html.DisplayNameFor(model => model.User.Document)

</th>

<th>

@Html.DisplayNameFor(model => model.User.FullName)

</th>

<th>

@Html.DisplayNameFor(model => model.User.Email)

</th>

<th>

@Html.DisplayNameFor(model => model.User.Address)

</th>

<th>

@Html.DisplayNameFor(model => model.User.PhoneNumber)

</th>

<th>

# de mascotas

</th>

<th></th>

</tr>

</thead>

<tbody>

@foreach (var item in Model) {

<tr>

<td>

@Html.DisplayFor(modelItem => item.User.Document)

</td>

<td>

@Html.DisplayFor(modelItem => item.User.FullName)

</td>

<td>

@Html.DisplayFor(modelItem => item.User.Email)

</td>

<td>

@Html.DisplayFor(modelItem => item.User.Address)

</td>

<td>

@Html.DisplayFor(modelItem => item.User.PhoneNumber)

</td>

<td>

@Html.DisplayFor(modelItem => item.Pets.Count)

</td>

<td>

<a **asp-action**="Edit" **asp-route-id**="@item.Id" class="btn btn-warning">Editar</a>

<a **asp-action**="Details" **asp-route-id**="@item.Id" class="btn btn-info">Detalles</a>

<a **asp-action**="Delete" **asp-route-id**="@item.Id" class="btn btn-danger">Borrar</a>

</td>

</tr>

}

</tbody>

</table>

1. La acción details en el onercontroller

// GET: Owners/Details/5

public async Task<IActionResult> Details(int? id)

{

if (id == null)

{

return NotFound();

}

var owner = await \_context.Owners

.Include(o => o.User)

.Include(o => o.Pets)

.ThenInclude(p=>p.PetType)

.Include(o => o.Pets)

.ThenInclude(p=>p.Histories)

.FirstOrDefaultAsync(m => m.Id == id);

if (owner == null)

{

return NotFound();

}

return View(owner);

}

1. La vista details

@model MyVet.Web.Data.Entities.Owner

@{

ViewData["Title"] = "Details";

}

<h2>Propietario</h2>

<div>

<h4>Detalles</h4>

<hr />

<dl class="dl-horizontal">

<dt>

@Html.DisplayNameFor(model => model.User.Document)

</dt>

<dd>

@Html.DisplayFor(model => model.User.Document)

</dd>

<dt>

@Html.DisplayNameFor(model => model.User.FirstName)

</dt>

<dd>

@Html.DisplayFor(model => model.User.FirstName)

</dd>

<dt>

@Html.DisplayNameFor(model => model.User.LastName)

</dt>

<dd>

@Html.DisplayFor(model => model.User.LastName)

</dd>

<dt>

@Html.DisplayNameFor(model => model.User.Address)

</dt>

<dd>

@Html.DisplayFor(model => model.User.Address)

</dd>

<dt>

Teléfono

</dt>

<dd>

@Html.DisplayFor(model => model.User.PhoneNumber)

</dd>

<dt>

# de mascotas

</dt>

<dd>

@Html.DisplayFor(model => model.Pets.Count)

</dd>

</dl>

</div>

<div>

<a **asp-action**="Edit" **asp-route-id**="@Model.Id" class="btn btn-warning">Editar</a>

<a **asp-action**="AddPet" **asp-route-id**="@Model.Id" class="btn btn-primary">Agregar mascotas</a>

<a **asp-action**="Index" class="btn btn-success">Regresar a la lista</a>

</div>

@if (Model.Pets.Count == 0)

{

<h4>No hay mascotas adicionadas todavia</h4>

}

else

{

<table class="table">

<thead>

<tr>

<th>

@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().Name)

</th>

<th>

@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().Race)

</th>

<th>

@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().PetType.Name)

</th>

<th>

@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().BornLocal)

</th>

<th>

@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().Remarks)

</th>

<th>

# Historias clinica

</th>

<th></th>

</tr>

</thead>

<tbody>

@foreach (var item in Model.Pets)

{

<tr>

<td>

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

</td>

<td>

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

</td>

<td>

@Html.DisplayFor(modelItem => item.PetType.Name)

</td>

<td>

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

</td>

<td>

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

</td>

<td>

@Html.DisplayFor(modelItem => item.Histories.Count)

</td>

<td>

<a **asp-action**="EditPet" **asp-route-id**="@item.Id" class="btn btn-warning">Editar</a>

<a **asp-action**="DetailsPet" **asp-route-id**="@item.Id" class="btn btn-info">Detalles</a>

<a **asp-action**="DeletePet" **asp-route-id**="@item.Id" class="btn btn-danger">Borrar</a>

</td>

</tr>

}

</tbody>

</table>

}

1. Crear el modelo para agregar usuarios

*public class AddUserViewModel*

*{*

*[Display(Name = "Email")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[MaxLength(100, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres.")]*

*[EmailAddress]*

*public string Username { get; set; }*

*[Display(Name = "Documento")]*

*[MaxLength(20, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres.")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string Document { get; set; }*

*[Display(Name = "Nombres")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres.")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string FirstName { get; set; }*

*[Display(Name = "Apellidos")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres.")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*public string LastName { get; set; }*

*[MaxLength(100, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres.")]*

*public string Address { get; set; }*

*[Display(Name = "Teléfono")]*

*[MaxLength(50, ErrorMessage = "El campo {0} debe tener máximo {1} caracteres")]*

*public string PhoneNumber { get; set; }*

*[Display(Name = "Contraseña")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[DataType(DataType.Password)]*

*[StringLength(20, MinimumLength = 6, ErrorMessage = "La {0} debe contener entre {2} y {1} caracteres.")]*

*public string Password { get; set; }*

*[Display(Name = "Confirmar contraseña")]*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[DataType(DataType.Password)]*

*[StringLength(20, MinimumLength = 6, ErrorMessage = "La {0} debe contener entre {2} y {1} caracteres.")]*

*[Compare("Password")]*

*public string PasswordConfirm { get; set; }*

*}*

*}*

1. *La acción créate en el controlador de owner la parte del get*

*// GET: Owners/Create*

*public IActionResult Create()*

*{*

*return View();*

*}*

1. *La vista créate*

*@model MyVet.Web.Models.AddUserViewModel*

*@{*

*ViewData["Title"] = "Create";*

*}*

*<h2>Nuevo</h2>*

*<h4>Propietario</h4>*

*<hr />*

*<div class="row">*

*<div class="col-md-4">*

*<form* ***asp-action****="Create">*

*<div* ***asp-validation-summary****="ModelOnly" class="text-danger"></div>*

*<div class="form-group">*

*<label* ***asp-for****="Username" class="control-label"></label>*

*<input* ***asp-for****="Username" class="form-control" />*

*<span* ***asp-validation-for****="Username" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Document" class="control-label"></label>*

*<input* ***asp-for****="Document" class="form-control" />*

*<span* ***asp-validation-for****="Document" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="FirstName" class="control-label"></label>*

*<input* ***asp-for****="FirstName" class="form-control" />*

*<span* ***asp-validation-for****="FirstName" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="LastName" class="control-label"></label>*

*<input* ***asp-for****="LastName" class="form-control" />*

*<span* ***asp-validation-for****="LastName" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Address" class="control-label"></label>*

*<input* ***asp-for****="Address" class="form-control" />*

*<span* ***asp-validation-for****="Address" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="PhoneNumber" class="control-label"></label>*

*<input* ***asp-for****="PhoneNumber" class="form-control" />*

*<span* ***asp-validation-for****="PhoneNumber" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Password" class="control-label"></label>*

*<input* ***asp-for****="Password" class="form-control" />*

*<span* ***asp-validation-for****="Password" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="PasswordConfirm" class="control-label"></label>*

*<input* ***asp-for****="PasswordConfirm" class="form-control" />*

*<span* ***asp-validation-for****="PasswordConfirm" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Create" class="btn btn-primary" />*

*<a* ***asp-action****="Index" class="btn btn-success">Regresar a la lista</a>*

*</div>*

*</form>*

*</div>*

*</div>*

*@section Scripts {*

*@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}*

*}*

1. *Se debe de inyectar el userhelper en el ownerController para cuando se cree el propietario también se cree el usuario y se le aigne su respectivo tol habilitar el owner controler para que pueda administrar usuarios*

{

private readonly DataContext \_context;

private readonly IUserHelper \_userHelper;

public OwnersController(DataContext context, IUserHelper userHelper)

{

\_context = context;

\_userHelper = userHelper;

}

1. El modelo créate de owner la parte post

*// POST: Owners/Create*

*[HttpPost]*

*[ValidateAntiForgeryToken]*

*public async Task<IActionResult> Create(AddUserViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*//crear usuario*

*var user = new User*

*{*

*Address = model.Address,*

*Document = model.Document,*

*Email = model.Username,*

*FirstName = model.FirstName,*

*LastName = model.LastName,*

*PhoneNumber = model.PhoneNumber,*

*UserName = model.Username*

*};*

*var response = await \_userHelper.AddUserAsync(user, model.Password);*

*if(response.Succeeded)*

*{*

*var userInDB = await \_userHelper.GetUserByEmailAsync(model.Username);*

*await \_userHelper.AddUserToRoleAsync(userInDB, "Customer");*

*//crear owner*

*var owner = new Owner*

*{*

*Agendas = new List<Agenda>(),*

*Pets = new List<Pet>(),*

*User = userInDB*

*};*

*//mandar bd*

*\_context.Owners.Add(owner);*

*try*

*{*

*await \_context.SaveChangesAsync();*

*return RedirectToAction(nameof(Index));*

*}*

*catch (Exception ex)*

*{*

*ModelState.AddModelError(string.Empty, ex.ToString());*

*return View(model);*

*}*

*}*

*ModelState.AddModelError(string.Empty, response.Errors.FirstOrDefault().Description);*

*}*

*return View(model);*

*}*

1. Para poder agregar mascotas a los propietarios es necesario crear un nuevo modelo

*public class PetViewModel : Pet*

*{*

*public int OwnerId { get; set; }*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[Display(Name = "Tipo de mascota")]*

*[Range(1, int.MaxValue, ErrorMessage = "Debe selleccionar un tipo de mascota.")]*

*public int PetTypeId { get; set; }*

*[Display(Name = "Imagen")]*

*public IFormFile ImageFile { get; set; }*

*public IEnumerable<SelectListItem> PetTypes { get; set; }*

*}*

1. *Crear interface IComboHelper y clase combosHelper para meter todo el código relacionado con los combos*

*public interface ICombosHelper*

*{*

*IEnumerable<SelectListItem> GetComboPetTypes();*

*}*

*public IEnumerable<SelectListItem> GetComboPetTypes()*

*{*

*var list = \_dataContext.PetTypes.Select(pt => new SelectListItem*

*{*

*Text = pt.Name,*

*Value = $"{pt.Id}"*

*})*

*.OrderBy(pt => pt.Text)*

*.ToList();*

*list.Insert(0, new SelectListItem*

*{*

*Text = "[Select a pet type...]",*

*Value = "0"*

*});*

*return list;*

*}*

1. *Configurar esta nueva inyccion en el Starup*

services.AddTransient<SeedDb>();

services.AddScoped<IUserHelper, UserHelper>();

services.AddScoped<ICombosHelper, CombosHelper>(); services.AddMvc().SetCompatibilityVersion(CompatibilityVersion.Version\_2\_1);

1. *Agregar la inyección en el ownerController*

*public class OwnersController : Controller*

*{*

*private readonly DataContext \_context;*

*private readonly IUserHelper \_userHelper;*

*private readonly ICombosHelper \_combosHelper;*

*public OwnersController(*

*DataContext context,*

*IUserHelper userHelper,*

*ICombosHelper combosHelper)*

*{*

*\_context = context;*

*\_userHelper = userHelper;*

*\_combosHelper = combosHelper;*

*}*

1. *En el controlador de owner adicionar la acción de addPet el get*

*// GET: Owners/CreatePet*

*public async Task<IActionResult> AddPet(int? id)*

*{*

*if (id == null)*

*{*

*return NotFound();*

*}*

*var owner = await \_context.Owners.FindAsync(id.Value);*

*if (owner == null)*

*{*

*return NotFound();*

*}*

*var model = new PetViewModel*

*{*

*Born = DateTime.Today,*

*OwnerId = owner.Id,*

*PetTypes = \_combosHelper.GetComboPetTypes()*

*};*

*return View(model);*

*}*

1. *Crear la vista para addPet*

*@model MyVet.Web.Models.PetViewModel*

*@{*

*ViewData["Title"] = "Create";*

*}*

*<h2>Agregar</h2>*

*<h4>Mascota</h4>*

*<hr />*

*<div class="row">*

*<div class="col-md-4">*

*<form* ***asp-action****="AddPet" enctype="multipart/form-data">*

*<div* ***asp-validation-summary****="ModelOnly" class="text-danger"></div>*

*<input* ***type****="hidden"* ***asp-for****="OwnerId" />*

*<div class="form-group">*

*<label* ***asp-for****="Name" class="control-label"></label>*

*<input* ***asp-for****="Name" class="form-control" />*

*<span* ***asp-validation-for****="Name" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="ImageFile" class="control-label"></label>*

*<input* ***asp-for****="ImageFile" class="form-control"* ***type****="file" />*

*<span* ***asp-validation-for****="ImageFile" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="PetTypeId" class="control-label"></label>*

*<select* ***asp-for****="PetTypeId"* ***asp-items****="Model.PetTypes" class="form-control"></select>*

*<span* ***asp-validation-for****="PetTypeId" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Race" class="control-label"></label>*

*<input* ***asp-for****="Race" class="form-control" />*

*<span* ***asp-validation-for****="Race" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Born" class="control-label"></label>*

*<input* ***asp-for****="Born" class="form-control" />*

*<span* ***asp-validation-for****="Born" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Remarks" class="control-label"></label>*

*<textarea* ***asp-for****="Remarks" class="form-control"></textarea>*

*<span* ***asp-validation-for****="Remarks" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Crear" class="btn btn-primary" />*

*<a* ***asp-action****="Details"* ***asp-route-id****="@Model.OwnerId" class="btn btn-success">Regresar a propietario</a>*

*</div>*

*</form>*

*</div>*

*</div>*

1. *En el modelo de pet la fecha de nacimiento en vez de pedirla como datetime pedirla como string quitarle solo la anotación de datatype*
2. *Crear en la carpeta imágenes un nuevo folder llamado Pets*
3. *Crear interface IImagenHelper con su respectiva clase donde se colocara un método que verifique que el nombre de la imagen no se va a repetir*

*public interface IImageHelper*

*{*

*Task<string> UploadImageAsync(IFormFile imageFile);*

*}*

public class ImageHelper : IImageHelper

{

public async Task<string> UploadImageAsync(IFormFile imageFile)

{

var guid = Guid.NewGuid().ToString();

var file = $"{guid}.jpg";

var path = Path.Combine(

Directory.GetCurrentDirectory(),

"wwwroot\\images\\Pets",

file);

using (var stream = new FileStream(path, FileMode.Create))

{

await imageFile.CopyToAsync(stream);

}

return $"~/images/Pets/{file}";

}

}

1. *Crear interface IConverterHelper para la conversión de objetos con su respetiva clase que inicialmente tendrá un método que convierta el objeto petVieModel en pet*

public interface IConverterHelper

{

Task<Pet> ToPetAsync(PetViewModel model, string path, bool isNew);

PetViewModel ToPetViewModel(Pet pet);

}

public class ConverterHelper : IConverterHelper

{

private readonly DataContext \_dataContext;

private readonly ICombosHelper \_combosHelper;

public ConverterHelper(

DataContext dataContext)

{

\_dataContext = dataContext;

}

public async Task<Pet> ToPetAsync(PetViewModel model, string path, bool isNew)

{

var pet = new Pet

{

Agendas = model.Agendas,

Born = model.Born,

Histories = model.Histories,

Id = isNew ? 0 : model.Id,

ImageUrl = path,

Name = model.Name,

Owner = await \_dataContext.Owners.FindAsync(model.OwnerId),

PetType = await \_dataContext.PetTypes.FindAsync(model.PetTypeId),

Race = model.Race,

Remarks = model.Remarks

};

return pet;

}

1. *Hacer las inyecciones de los helper en el contreolador de owner*

public class OwnersController : Controller

{

private readonly DataContext \_context;

private readonly IUserHelper \_userHelper;

private readonly ICombosHelper \_combosHelper;

private readonly IImageHelper \_imageHelper;

private readonly IConverterHelper \_converterHelper;

public OwnersController(

DataContext context,

IUserHelper userHelper,

ICombosHelper combosHelper,

IImageHelper imageHelper,

IConverterHelper converterHelper)

{

\_context = context;

\_userHelper = userHelper;

\_combosHelper = combosHelper;

\_imageHelper = imageHelper;

\_converterHelper = converterHelper;

}

1. *Para usarlo se debe configurar en la clase Starup*

services.AddScoped<IUserHelper, UserHelper>();

services.AddScoped<ICombosHelper, CombosHelper>();

services.AddScoped<IImageHelper, ImageHelper>();

services.AddScoped<IConverterHelper, ConverterHelper>(); services.AddMvc().SetCompatibilityVersion(CompatibilityVersion.Version\_2\_1);

1. *El post en el controlador de owner de la acción addPet*

*// POST: Owners/CreatePet*

*[HttpPost]*

*public async Task<IActionResult> AddPet(PetViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*var path = string.Empty;*

*if (model.ImageFile != null)*

*{*

*path = await \_imageHelper.UploadImageAsync(model.ImageFile);*

*}*

*var pet = await \_converterHelper.ToPetAsync(model, path, true);*

*\_context.Pets.Add(pet);*

*await \_context.SaveChangesAsync();*

*return RedirectToAction($"Details/{model.OwnerId}");*

*}*

model.PetTypes = \_combosHelper.GetComboPetTypes();

*return View(model);*

*}*

1. *En la vista details de owner cambiar para que muestre la foto de la mascota en la tabla agregar la nueva columna tanto titulo como lo que va a mostrar*

*<th>*

*@Html.DisplayNameFor(model => model.Pets.FirstOrDefault().ImageUrl)*

*</th>*

<td>

@if(!string.IsNullOrEmpty(item.ImageUrl))

{

<img src="@Url.Content(item.ImageUrl)" alt="Image" style="width:200px; height:200px; max-width:100%; height:auto" />

}

</td>

1. En los converter hacer método que reciba un petl y devuelva un petviewmodel se debe inyectar el combohelper para que funcione

public ConverterHelper(

DataContext dataContext,

ICombosHelper combosHelper )

{

\_dataContext = dataContext;

\_combosHelper = combosHelper;

}

public PetViewModel ToPetViewModel(Pet pet)

{

return new PetViewModel

{

Agendas = pet.Agendas,

Born = pet.Born,

Histories = pet.Histories,

ImageUrl = pet.ImageUrl,

Name = pet.Name,

Owner = pet.Owner,

PetType = pet.PetType,

Race = pet.Race,

Remarks = pet.Remarks,

Id = pet.Id,

OwnerId = pet.Owner.Id,

PetTypeId = pet.PetType.Id,

PetTypes = \_combosHelper.GetComboPetTypes()

};

}

1. Colocar este método en la interface de converter helper para que quede disponible

PetViewModel ToPetViewModel(Pet pet)

1. Hacer la acción editpet en el controlador de owner la parte get

// GET: Owners/EditPet

*public async Task<IActionResult> EditPet(int? id)*

*{*

*if (id == null)*

*{*

*return NotFound();*

*}*

var pet = await \_context.Pets

.Include(p => p.Owner)

.Include(p=>p.PetType)

.FirstOrDefaultAsync(p => p.Id == id);

*if(pet == null)*

*{*

*return NotFound();*

*}*

*return View(\_converterHelper.ToPetViewModel(pet));*

*}*

1. *Vista editpet*

*@model MyVet.Web.Models.PetViewModel*

*@{*

*ViewData["Title"] = "Edit";*

*}*

*<h2>Editar</h2>*

*<h4>Mascota</h4>*

*<hr />*

*<div class="row">*

*<div class="col-md-4">*

*<form* ***asp-action****="EditPet" enctype="multipart/form-data">*

*<div* ***asp-validation-summary****="ModelOnly" class="text-danger"></div>*

*<input* ***type****="hidden"* ***asp-for****="Id" />*

*<input* ***type****="hidden"* ***asp-for****="OwnerId" />*

*<input* ***type****="hidden"* ***asp-for****="ImageUrl" />*

*<div class="form-group">*

*<label* ***asp-for****="Name" class="control-label"></label>*

*<input* ***asp-for****="Name" class="form-control" />*

*<span* ***asp-validation-for****="Name" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="ImageFile" class="control-label"></label>*

*<input* ***asp-for****="ImageFile" class="form-control"* ***type****="file" />*

*<span* ***asp-validation-for****="ImageFile" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="PetTypeId" class="control-label"></label>*

*<select* ***asp-for****="PetTypeId"* ***asp-items****="Model.PetTypes" class="form-control"></select>*

*<span* ***asp-validation-for****="PetTypeId" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Race" class="control-label"></label>*

*<input* ***asp-for****="Race" class="form-control" />*

*<span* ***asp-validation-for****="Race" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Born" class="control-label"></label>*

*<input* ***asp-for****="Born" class="form-control" />*

*<span* ***asp-validation-for****="Born" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Remarks" class="control-label"></label>*

*<textarea* ***asp-for****="Remarks" class="form-control"></textarea>*

*<span* ***asp-validation-for****="Remarks" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Guardar" class="btn btn-primary" />*

*<a* ***asp-action****="Details"* ***asp-route-id****="@Model.OwnerId" class="btn btn-success">Regresar a propietario</a>*

*</div>*

*</form>*

*</div>*

<div class="col-md-4">

@if (!string.IsNullOrEmpty(Model.ImageUrl))

{

<img src="@Url.Content(Model.ImageUrl)" alt="Image" style="width:400px; height:400px; max-width:100%; height:auto" />

}

</div>

*</div>*

1. *La acción post para editpet*

*// POST: Owners/EditPet*

*[HttpPost]*

*public async Task<IActionResult> EditPet(PetViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*var path = model.ImageUrl;*

*if (model.ImageFile != null)*

*{*

*path = await \_imageHelper.UploadImageAsync(model.ImageFile);*

*}*

*var pet = await \_converterHelper.ToPetAsync(model, path, false);*

*\_context.Pets.Update(pet);*

*await \_context.SaveChangesAsync();*

*return RedirectToAction($"Details/{model.OwnerId}");*

*}*

model.PetTypes = \_combosHelper.GetComboPetTypes();

*return View(model);*

*}*

1. *Para no tener código duplicado en las vistas para el caso addpet y editpet se introduce concepto de vistas parciales*
2. *Crear vista parcial que se llama \_pet*

* *Se add y edit reciben el mismo modelo este se copia y se copia código que se repite en ambas vistas para el caso todo el formulario solamente*
* *En addpet y editpet se reemplaza todo ese código por la ste línea de código*

<**partial** **name**="\_Pet" />

1. *PENDIENTE UNIFICAR CÓDIGO DE LAS VISTAS CON UNA VISTA PARCIAL*
2. *En detalles de la mascota ver los detalles de esta y la historia clínica*
3. *Crear la acción en el controlador para detailsPet*

*// GET: Owners/DetailsPet*

*public async Task<IActionResult> DetailsPet(int? id)*

*{*

*if (id == null)*

*{*

*return NotFound();*

*}*

*var pet = await \_context.Pets*

*.Include(p => p.Owner)*

*.ThenInclude(o => o.User)*

*.Include(p => p.Histories)*

*.ThenInclude(h => h.ServiceType)*

*.FirstOrDefaultAsync(o => o.Id == id.Value);*

*if (pet == null)*

*{*

*return NotFound();*

*}*

*return View(pet);*

*}*

1. *Crear la vista para detalles de mascota*

@model MyVet.Web.Data.Entities.Pet

@{

ViewData["Title"] = "Details";

}

<h2>Mascota</h2>

<div>

<h4>Detalles</h4>

<hr />

<div class="row">

<div class="col-md-4">

<dl class="dl-horizontal">

<dt>

Propietario

</dt>

<dd>

@Html.DisplayFor(model => model.Owner.User.FullName)

</dd>

<dt>

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

</dt>

<dd>

@Html.DisplayFor(model => model.Name)

</dd>

<dt>

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

</dt>

<dd>

@Html.DisplayFor(model => model.Race)

</dd>

<dt>

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

</dt>

<dd>

@Html.DisplayFor(model => model.Born)

</dd>

<dt>

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

</dt>

<dd>

@Html.DisplayFor(model => model.Remarks)

</dd>

</dl>

</div>

<div class="col-md-4">

@if (!string.IsNullOrEmpty(Model.ImageUrl))

{

<img src="@Url.Content(Model.ImageUrl)" alt="Image" style="width:300px;height:300px;max-height: 100%; width: auto;" />

}

</div>

</div>

</div>

<div>

<a **asp-action**="EditPet" **asp-route-id**="@Model.Id" class="btn btn-warning">Editar</a>

<a **asp-action**="AddHistory" **asp-route-id**="@Model.Id" class="btn btn-primary">Nueva historia</a>

<a **asp-action**="Details" **asp-route-id**="@Model.Owner.Id" class="btn btn-success">Regresar a propietario</a>

</div>

<h4>Historia clinica</h4>

<hr />

@if (Model.Histories.Count == 0)

{

<h5>No hay historias clinicas adicionadas aun.</h5>

}

else

{

<table class="table">

<thead>

<tr>

<th>

@Html.DisplayNameFor(model => model.Histories.FirstOrDefault().Date)

</th>

<th>

@Html.DisplayNameFor(model => model.Histories.FirstOrDefault().ServiceType.Name)

</th>

<th>

@Html.DisplayNameFor(model => model.Histories.FirstOrDefault().Description)

</th>

<th>

@Html.DisplayNameFor(model => model.Histories.FirstOrDefault().Remarks)

</th>

<th></th>

</tr>

</thead>

<tbody>

@foreach (var item in Model.Histories)

{

<tr>

<td>

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

</td>

<td>

@Html.DisplayFor(modelItem => item.ServiceType.Name)

</td>

<td>

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

</td>

<td>

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

</td>

<td>

<a **asp-action**="EditHistory" **asp-route-id**="@item.Id" class="btn btn-warning">Editar</a>

<a **asp-action**="DeleteHistory" **asp-route-id**="@item.Id" class="btn btn-danger">Borrar</a>

</td>

</tr>

}

</tbody>

</table>

}

1. Crear el historyViewModel

*public class HistoryViewModel : History*

*{*

*public int PetId { get; set; }*

*[Required(ErrorMessage = "El campo {0} es obligatorio.")]*

*[Display(Name = "Tipo servicio")]*

*[Range(1, int.MaxValue, ErrorMessage = "Debe seleccionar un tipo de servicio.")]*

*public int ServiceTypeId { get; set; }*

*public IEnumerable<SelectListItem> ServiceTypes { get; set; }*

*}*

1. *Adicionar el combo de servicetype en la interface icombohelper e implementarlo en la clase comboshelper*

public interface ICombosHelper

{

IEnumerable<SelectListItem> GetComboPetTypes();

IEnumerable<SelectListItem> GetComboServiceTypes();

}

*public IEnumerable<SelectListItem> GetComboServiceTypes()*

*{*

*var list = \_dataContext.ServiceTypes.Select(pt => new SelectListItem*

*{*

*Text = st.Name,*

*Value = $"{st.Id}"*

*})*

*.OrderBy(pt => st.Text)*

*.ToList();*

*list.Insert(0, new SelectListItem*

*{*

*Text = "[Seleccione un tipo de servicio...]",*

*Value = "0"*

*});*

*return list;*

*}*

1. *En la interface IConverter helper se deben adicionar dos métodos mas la historyViewModel que se necesita convertir al objeto history y el objeto history convertirlo a historyViewModel y estos métodos se implementan en la clase converterHelper*

public interface IConverterHelper

{

Task<Pet> ToPetAsync(PetViewModel model, string path, bool isNew);

PetViewModel ToPetViewModel(Pet pet);

Task<History> ToHistoryAsync(HistoryViewModel model, bool isNew);

HistoryViewModel ToHistoryViewModel(History history);

}

public async Task<History> ToHistoryAsync(HistoryViewModel model, bool isNew)

{

return new History

{

Date = model.Date,

Description = model.Description,

Id = isNew ? 0 : model.Id,

Pet = await \_dataContext.Pets.FindAsync(model.PetId),

Remarks = model.Remarks,

ServiceType = await \_dataContext.ServiceTypes.FindAsync(model.ServiceTypeId)

};

}

public HistoryViewModel ToHistoryViewModel(History history)

{

return new HistoryViewModel

{

Date = history.Date.ToUniversalTime(),

Description = history.Description,

Id = history.Id,

PetId = history.Pet.Id,

Remarks = history.Remarks,

ServiceTypeId = history.ServiceType.Id,

ServiceTypes = \_combosHelper.GetComboServiceTypes()

};

}

1. En el controlador de owner se debe adicionar la acción addHistory la parte get

*// GET: Owners/AddHistory*

*public async Task<IActionResult> AddHistory(int? id)*

*{*

*if (id == null)*

*{*

*return NotFound();*

*}*

*var pet = await \_context.Pets.FindAsync(id.Value);*

*if (pet == null)*

*{*

*return NotFound();*

*}*

*var model = new HistoryViewModel*

*{*

*Date = DateTime.Now,*

*PetId = pet.Id,*

*ServiceTypes = \_combosHelper.GetComboServiceTypes(),*

*};*

*return View(model);*

*}*

1. *La vista de addHistory*

@model MyVet.Web.Models.HistoryViewModel

@{

ViewData["Title"] = "Create";

}

*<h2>Agregar</h2>*

*<h4>Historia</h4>*

*<hr />*

*<div class="row">*

*<div class="col-md-4">*

*<form* ***asp-action****="AddHistory">*

*<div* ***asp-validation-summary****="ModelOnly" class="text-danger"></div>*

*<input* ***type****="hidden"* ***asp-for****="PetId" />*

*<div class="form-group">*

*<label* ***asp-for****="Date" class="control-label"></label>*

*<input* ***asp-for****="Date" class="form-control" />*

*<span* ***asp-validation-for****="Date" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="ServiceTypeId" class="control-label"></label>*

*<select* ***asp-for****="ServiceTypeId"* ***asp-items****="Model.ServiceTypes" class="form-control"></select>*

*<span* ***asp-validation-for****="ServiceTypeId" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Description" class="control-label"></label>*

*<input* ***asp-for****="Description" class="form-control" />*

*<span* ***asp-validation-for****="Description" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Remarks" class="control-label"></label>*

*<textarea* ***asp-for****="Remarks" class="form-control"></textarea>*

*<span* ***asp-validation-for****="Remarks" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Create" class="btn btn-primary" />*

*<a* ***asp-action****="DetailsPet"* ***asp-route-id****="@Model.PetId" class="btn btn-success">Regresar a mascotas</a>*

*</div>*

*</form>*

*</div>*

*</div>*

1. *El post para la acción addHistory*

*// POST: Owners/AddHistory*

*[HttpPost]*

*public async Task<IActionResult> AddHistory(HistoryViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*var history = await \_converterHelper.ToHistoryAsync(model, true);*

*\_context.Histories.Add(history);*

*await \_context.SaveChangesAsync();*

*return RedirectToAction($"{nameof(DetailsPet)}/{model.PetId}");*

*}*

model.ServiceTypes = \_combosHelper.GetComboServiceTypes();

*return View(model);*

*}*

1. *Se sigue con la acción editHistory en el controlador owner la parte get*

*// GET: Owners/EditHistory*

*public async Task<IActionResult> EditHistory(int? id)*

*{*

*if (id == null)*

*{*

*return NotFound();*

*}*

*var history = await \_context.Histories*

*.Include(h => h.Pet)*

*.Include(h => h.ServiceType)*

*.FirstOrDefaultAsync(p => p.Id == id.Value);*

*if (history == null)*

*{*

*return NotFound();*

*}*

*return View(\_converterHelper.ToHistoryViewModel(history));*

*}*

1. *La vista de editHistory*

*@model MyVet.Web.Models.HistoryViewModel*

*@{*

*ViewData["Title"] = "Editar";*

*}*

*<h2>Editar</h2>*

*<h4>Historia</h4>*

*<hr />*

*<div class="row">*

*<div class="col-md-4">*

*<form* ***asp-action****="EditHistory">*

*<div* ***asp-validation-summary****="ModelOnly" class="text-danger"></div>*

*<input* ***type****="hidden"* ***asp-for****="PetId" />*

*<input* ***type****="hidden"* ***asp-for****="Id" />*

*<div class="form-group">*

*<label* ***asp-for****="Date" class="control-label"></label>*

*<input* ***asp-for****="Date" class="form-control" />*

*<span* ***asp-validation-for****="Date" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="ServiceTypeId" class="control-label"></label>*

*<select* ***asp-for****="ServiceTypeId"* ***asp-items****="Model.ServiceTypes" class="form-control"></select>*

*<span* ***asp-validation-for****="ServiceTypeId" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Description" class="control-label"></label>*

*<input* ***asp-for****="Description" class="form-control" />*

*<span* ***asp-validation-for****="Description" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<label* ***asp-for****="Remarks" class="control-label"></label>*

*<textarea* ***asp-for****="Remarks" class="form-control"></textarea>*

*<span* ***asp-validation-for****="Remarks" class="text-danger"></span>*

*</div>*

*<div class="form-group">*

*<input type="submit" value="Guardar" class="btn btn-primary" />*

*<a* ***asp-action****="DetailsPet"* ***asp-route-id****="@Model.PetId" class="btn btn-success">Regresar a mascota</a>*

*</div>*

*</form>*

*</div>*

*</div>*

1. *La parte post del editHistory*

*// POST: Owners/EditHistory*

*[HttpPost]*

*public async Task<IActionResult> EditHistory(HistoryViewModel model)*

*{*

*if (ModelState.IsValid)*

*{*

*var history = await \_converterHelper.ToHistoryAsync(model, false);*

*\_context.Histories.Update(history);*

*await \_context.SaveChangesAsync();*

*return RedirectToAction($"{nameof(DetailsPet)}/{model.PetId}");*

*}*

model.ServiceTypes = \_combosHelper.GetComboServiceTypes();

*return View(model);*

*}*

1. *La vista addhistory y editHistory tienen una parte igual que es la del formulario esa parte se guarda en una nueva vista parcial para evitar repetir código llamada \_Histories y en la vistas add y edit history se reemplaza por el llamado además de que en la vista parcial también se copia la primera línea que es el modelo que usa así se referenciaría en ambas vistas y en la prcial queda el form lo repetido*

<**partial** **name**="\_Histories" />

1. En el owner controler en la vista detailsPet se va hacer un cambio con respecto al botón de borrar historia

Se cambia este

<a **asp-action**="DeleteHistory" **asp-route-id**="@item.Id" class="btn btn-danger">Borrar</a>

Por este

<button data-id="@item.Id" class="btn btn-danger deleteItem" data-toggle="modal" data-target="#deleteDialog">Borrar</button>

1. Se copia el código para la ventana modal después del cierre de la tabla

*<!--Delete Item-->*

*<div class="modal fade" id="deleteDialog" tabindex="-1" role="dialog" aria-labelledby="exampleModalLabel" aria-hidden="true">*

*<div class="modal-dialog" role="document">*

*<div class="modal-content">*

*<div class="modal-header">*

*<h5 class="modal-title" id="exampleModalLabel">Delete Item</h5>*

*<button type="button" class="close" data-dismiss="modal" aria-label="Close">*

*<span aria-hidden="true">&times;</span>*

*</button>*

*</div>*

*<div class="modal-body">*

*<p>Do you want to delete the record?</p>*

*</div>*

*<div class="modal-footer">*

*<button type="button" class="btn btn-primary" data-dismiss="modal">Close</button>*

*<button type="button" class="btn btn-danger" id="btnYesDelete">Delete</button>*

*</div>*

*</div>*

*</div>*

*</div>*

1. Se copia el script con la función para borrar

@section Scripts {

@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}

<script type="text/javascript">

$(document).ready(function () {

// Delete item

var item\_to\_delete;

$('.deleteItem').click((e) => {

item\_to\_delete = e.currentTarget.dataset.id;

});

$("#btnYesDelete").click(function () {

window.location.href = '/Owners/DeleteHistory/' + item\_to\_delete;

});

});

</script>

}

1. En el owner controller hacer la acción para deleteHistory para el caso solo es get

// GET: Owners/DeleteHistory

public async Task<IActionResult> DeleteHistory(int? id)

{

if (id == null)

{

return NotFound();

}

var history = await \_context.Histories

.Include(h => h.Pet)

.FirstOrDefaultAsync(h => h.Id == id.Value);

if (history == null)

{

return NotFound();

}

\_context.Histories.Remove(history);

await \_context.SaveChangesAsync();

return RedirectToAction($"{nameof(DetailsPet)}/{history.Pet.Id}");

}

1. En la vista details de propietario para hacer ahora el borrado de las mascotas se reemplazará el Action de deletePet por el botón quedando este código

<button data-id="@item.Id" class="btn btn-danger deleteItem" data-toggle="modal" data-target="#deleteDialog">Borrar</button>

1. Como lo referente a la ventana modal es un código que se va a repetir mucho se puede crear una vista parcial pero se haría en la carpeta shared llamada \_DeleteDialog no recibe modelo no se coloca y el código de la vista modal que anteriormente se copio en la vista detailsPet y que tb se va a necesitar en detail de owner se pasa para esa vista y se reemplazaria por el llamado de la vista parcial el cual iria en details y en detailsPet

<**partial** **name**="\_DeleteDialog" />

1. Se copia el script en su respectiva sección

*@section Scripts {*

*@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}*

*<script type="text/javascript">*

*$(document).ready(function () {*

*// Delete item*

*var item\_to\_delete;*

*$('.deleteItem').click((e) => {*

*item\_to\_delete = e.currentTarget.dataset.id;*

*});*

*$("#btnYesDelete").click(function () {*

*window.location.href = '/Owners/DeletePet/' + item\_to\_delete;*

*});*

*});*

*</script>*

*}*

1. *Seguiria la acción en el cotrolador de owner para deletePet solo get*

// GET: Owners/DeletePet

public async Task<IActionResult> DeletePet(int? id)

{

if (id == null)

{

return NotFound();

}

var pet = await \_context.Pets

.Include(p => p.Owner)

.Include(p => p.Histories)

.FirstOrDefaultAsync(p => p.Id == id.Value);

if (pet == null)

{

return NotFound();

}

if(pet.Histories.Count >0)

{

ModelState.AddModelError(string.Empty, "La mascota no puede ser borrada porque tiene registros relacionados");

return RedirectToAction($"{nameof(Details)}/{pet.Owner.Id}");

}

\_context.Pets.Remove(pet);

await \_context.SaveChangesAsync();

return RedirectToAction($"{nameof(Details)}/{pet.Owner.Id}");

}

1. *En pettypes y Servicetypes en la vista index hacer lo del delete reemplazar el link por botón y llamar a la vista parcial y se coloca el mismo script solo cambiándole la parte ultima que se refiere al controlador y a la acción que esta llamando que para pettypes seria controlador PetTypes y acción delete y para Service type seria cotrolador ServiceTypes y acción delete*
2. *Como original el delete tiene get y post solo se deja el get con algunos cambios quedando así en los respectivos controladores de PetTypes y ServiceTypes*

// GET: PetTypes/Delete/5

public async Task<IActionResult> Delete(int? id)

{

if (id == null)

{

return NotFound();

}

var petType = await \_context.PetTypes

.Include(pt => pt.Pets)

.FirstOrDefaultAsync(pt => pt.Id == id);

if (petType == null)

{

return NotFound();

}

if(petType.Pets.Count > 0)

{

ModelState.AddModelError(string.Empty, "El tipo de mascota no puede ser borrado.");

return RedirectToAction(nameof(Index));

}

\_context.PetTypes.Remove(petType);

await \_context.SaveChangesAsync();

return RedirectToAction(nameof(Index));

}

// GET: ServiceTypes/Delete/5

public async Task<IActionResult> Delete(int? id)

{

if (id == null)

{

return NotFound();

}

var serviceType = await \_context.ServiceTypes

.Include(st => st.Histories)

.FirstOrDefaultAsync(st => st.Id == id);

if (serviceType == null)

{

return NotFound();

}

if (serviceType.Histories.Count > 0)

{

ModelState.AddModelError(string.Empty, "El tipo de servicio no puede ser borrado.");

return RedirectToAction(nameof(Index));

}

\_context.ServiceTypes.Remove(serviceType);

await \_context.SaveChangesAsync();

return RedirectToAction(nameof(Index));

}

1. Método para borrar el propietario para el cual antes se debe borrar usuario para que no quede hueco de seguridad en la interface de userhelper crear el método para borrar usuario y en la clase implementarlo

Task<bool> DeleteUserAsync(string email);

public async Task<bool> DeleteUserAsync(string email)

{

var user = await GetUserByEmailAsync(email);

if (user == null)

{

return true;

}

var response = await \_userManager.DeleteAsync(user);

return response.Succeeded;

}

1. *En el index de owner cambiar el código de link por botón para borrar propietario*

<button data-id="@item.Id" class="btn btn-danger deleteItem" data-toggle="modal" data-target="#deleteDialog">Borrar</button>

1. Llamar a la vista parcial que tiene el código de la ventana modal y escribir el código js

<**partial** **name**="\_DeleteDialog" />

@section Scripts {

@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}

<script type="text/javascript">

$(document).ready(function () {

// Delete item

var item\_to\_delete;

$('.deleteItem').click((e) => {

item\_to\_delete = e.currentTarget.dataset.id;

});

$("#btnYesDelete").click(function () {

window.location.href = '/Owners/Delete/' + item\_to\_delete;

});

});

</script>

}

1. En el controlador de owner la acción delete original que tiene get y post cambiarla solo por un get con las modificaciones quedaría así

// GET: Owners/Delete/5

public async Task<IActionResult> Delete(int? id)

{

if (id == null)

{

return NotFound();

}

var owner = await \_context.Owners

.Include(o=>o.User)

.Include(o=>o.Pets)

.FirstOrDefaultAsync(o => o.Id == id);

if (owner == null)

{

return NotFound();

}

if(owner.Pets.Count > 0)

{

ModelState.AddModelError(string.Empty, "El propietario no puede ser borrado");

return RedirectToAction(nameof(Index));

}

await \_userHelper.DeleteUserAsync(owner.User.Email);

\_context.Owners.Remove(owner);

await \_context.SaveChangesAsync();

return RedirectToAction(nameof(Index));

}

1. En la interface de IUserHelper agregar método para actualizar usuario e implementarlo en la clase

Task<IdentityResult> UpdateUserAsync(User user);

public async Task<IdentityResult> UpdateUserAsync(User user)

{

return await \_userManager.UpdateAsync(user);

}

1. Crear modelo editUserViewModel

public class EditUserViewModel

{

public int Id { get; set; }

[Display(Name = "Documento")]

[MaxLength(20, ErrorMessage = "El {0} puede tener máximo {1} caracteres.")]

[Required(ErrorMessage = "El campo {0} es obligatorio.")]

public string Document { get; set; }

[Display(Name = "Nombres")]

[MaxLength(50, ErrorMessage = "El {0} puede tener máximo {1} caracteres.")]

[Required(ErrorMessage = "El campo {0} es obligatorio.")]

public string FirstName { get; set; }

[Display(Name = "Apellidos")]

[MaxLength(50, ErrorMessage = "El {0} puede tener máximo {1} caracteres.")]

[Required(ErrorMessage = "El campo {0} es obligatorio.")]

public string LastName { get; set; }

[Display(Name = "Dirección")]

[MaxLength(100, ErrorMessage = "El {0} puede tener máximo {1} caracteres.")]

public string Address { get; set; }

[Display(Name = "Teléfono")]

[MaxLength(50, ErrorMessage = "El {0} puede tener máximo {1} caracteres.")]

public string PhoneNumber { get; set; }

}

}

1. Como addUserVieModel es muy parecido para que no haya duplicidad de código addUserVieModel hereda de editUserViewModel y en el add se eliminan campos repetidos que el los señalara como advertencias
2. En el controlador de owner la acción edit get y post se cambian y quedarían de esta forma ya para cuando edite propietario edite los campos que se puedan del usuario también acción get

// GET: Owners/Edit/5

public async Task<IActionResult> Edit(int? id)

{

if (id == null)

{

return NotFound();

}

var owner = await \_context.Owners

.Include(o => o.User)

.FirstOrDefaultAsync(o => o.Id == id.Value);

if (owner == null)

{

return NotFound();

}

var view = new EditUserViewModel

{

Address = owner.User.Address,

Document = owner.User.Document,

FirstName = owner.User.FirstName,

Id = owner.Id,

LastName = owner.User.LastName,

PhoneNumber = owner.User.PhoneNumber

};

return View(view);

}

1. Modificaciones en la vista edit

@model MyVet.Web.Models.EditUserViewModel

@{

ViewData["Title"] = "Editar";

}

<h2>Editar</h2>

<h4>Propietario</h4>

<hr />

<div class="row">

<div class="col-md-4">

<form **asp-action**="Edit">

<div **asp-validation-summary**="ModelOnly" class="text-danger"></div>

<input **type**="hidden" **asp-for**="Id" />

<div class="form-group">

<label **asp-for**="Document" class="control-label"></label>

<input **asp-for**="Document" class="form-control" />

<span **asp-validation-for**="Document" class="text-danger"></span>

</div>

<div class="form-group">

<label **asp-for**="FirstName" class="control-label"></label>

<input **asp-for**="FirstName" class="form-control" />

<span **asp-validation-for**="FirstName" class="text-danger"></span>

</div>

<div class="form-group">

<label **asp-for**="LastName" class="control-label"></label>

<input **asp-for**="LastName" class="form-control" />

<span **asp-validation-for**="LastName" class="text-danger"></span>

</div>

<div class="form-group">

<label **asp-for**="Address" class="control-label"></label>

<input **asp-for**="Address" class="form-control" />

<span **asp-validation-for**="Address" class="text-danger"></span>

</div>

<div class="form-group">

<label **asp-for**="PhoneNumber" class="control-label"></label>

<input **asp-for**="PhoneNumber" class="form-control" />

<span **asp-validation-for**="PhoneNumber" class="text-danger"></span>

</div>

<div class="form-group">

<input type="submit" value="Guardar" class="btn btn-primary" />

<a **asp-action**="Index" class="btn btn-success">Regresar a la lista</a>

</div>

</form>

</div>

</div>

@section Scripts {

@{await Html.RenderPartialAsync("\_ValidationScriptsPartial");}

}

1. Acción post para edit de owner

// POST: Owners/Edit/5

[HttpPost]

[ValidateAntiForgeryToken]

public async Task<IActionResult> Edit(EditUserViewModel view)

{

if (ModelState.IsValid)

{

var owner = await \_context.Owners

.Include(o => o.User)

.FirstOrDefaultAsync(o => o.Id == view.Id);

owner.User.Document = view.Document;

owner.User.FirstName = view.FirstName;

owner.User.LastName = view.LastName;

owner.User.Address = view.Address;

owner.User.PhoneNumber = view.PhoneNumber;

await \_userHelper.UpdateUserAsync(owner.User);

return RedirectToAction(nameof(Index));

}

return View(view);

}

***PARTE 23 EDIT OWNER***