controladores de **Ciudades** y **Categorías**

Controlador de Categorias

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Microsoft.EntityFrameworkCore;
using EventoTec.web.Models;
using EventoTec.web.Models.entities;

namespace EventoTec.web.Controllers
{
   public class CategoriesController : Controller
   {
      private readonly DataDbContext _context;

      public CategoriesController(DataDbContext context)
      {
         _context = context;
      }

      // GET: Categories
      public async Task<IActionResult> Index()
      {
         return View(await _context.Category.ToListAsync());
      }

      // GET: Categories/Details/5
      public async Task<IActionResult> Details(int? id)
      {
         if (id == null)
         {
            return NotFound();
         }

         var category = await _context.Category
            .FirstOrDefaultAsync(m => m.Id == id);
         if (category == null)
         {
            return NotFound();
         }

         return View(category);
      }

      // GET: Categories/Create
      public IActionResult Create()
      {
         return View();
      }

      // POST: Categories/Create
      // To protect from overposting attacks, please enable the specific properties you want to bind to, for
      // more details see http://go.microsoft.com/fwlink/?LinkId=317598.
      [HttpPost]
      [ValidateAntiForgeryToken]
```

```
public async Task<IActionResult> Create([Bind("Id,Name,Description")] Category category)
{
    if (ModelState.IsValid)
    {
        _context.Add(category);
        await _context.SaveChangesAsync();
        return RedirectToAction(nameof(Index));
    }
    return View(category);
}

// GET: Categories/Edit/5
public async Task<IActionResult> Edit(int? id)
{
    if (id == null)
    {
        return NotFound();
    }

    var category = await _context.Category.FindAsync(id);
    if (category == null)
    {
        return NotFound();
    }
    return View(category);
}

// POST: Categories/Edit/5
// To protect from overposting attacks, please enable the specific properties you want to bind to, for
// more details see http://go.microsoft.com/fwlink/?LinkId=317598.
[HttpPost]
[ValidateAntiForgeryToken]
public async Task<IActionResult> Edit(int id, [Bind("Id,Name,Description")] Category category)
{
    if (id != category.Id)
    {
        return NotFound();
    }

    if (ModelState.IsValid)
    {
        try
        {
            _context.Update(category);
            await _context.SaveChangesAsync();
        }
        catch (DbUpdateConcurrencyException)
        {
            if (!CategoryExists(category.Id))
            {
                return NotFound();
            }
            else
            {
                throw;
            }
        }
        return RedirectToAction(nameof(Index));
    }
    return View(category);
}
```

```
        // GET: Categories/Delete/5
        public async Task<IActionResult> Delete(int? id)
        {
            if (id == null)
            {
                return NotFound();
            }

            var category = await _context.Category
                .FirstOrDefaultAsync(m => m.Id == id);
            if (category == null)
            {
                return NotFound();
            }

            return View(category);
        }

        // POST: Categories/Delete/5
        [HttpPost, ActionName("Delete")]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult> DeleteConfirmed(int id)
        {
            var category = await _context.Category.FindAsync(id);
            _context.Category.Remove(category);
            await _context.SaveChangesAsync();
            return RedirectToAction(nameof(Index));
        }

        private bool CategoryExists(int id)
        {
            return _context.Category.Any(e => e.Id == id);
        }
    }
}
```

Controlador de Ciudades

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Microsoft.EntityFrameworkCore;
using EventoTec.web.Models;
using EventoTec.web.Models.entities;

namespace EventoTec.web.Controllers
{
   public class CitiesController : Controller
   {
      private readonly DataDbContext _context;

      public CitiesController(DataDbContext context)
      {
         _context = context;
      }

      // GET: Cities
      public async Task<IActionResult> Index()
      {
         return View(await _context.City.ToListAsync());
      }

      // GET: Cities/Details/5
      public async Task<IActionResult> Details(int? id)
      {
         if (id == null)
         {
            return NotFound();
         }

         var city = await _context.City
            .FirstOrDefaultAsync(m => m.id == id);
         if (city == null)
         {
            return NotFound();
         }

         return View(city);
      }

      // GET: Cities/Create
      public IActionResult Create()
      {
         return View();
      }

      // POST: Cities/Create
      // To protect from overposting attacks, please enable the specific properties you want to bind to, for
      // more details see http://go.microsoft.com/fwlink/?LinkId=317598.
      [HttpPost]
      [ValidateAntiForgeryToken]
      public async Task<IActionResult> Create([Bind("id,Name,Descripcion,Slung")] City city)
      {
         if (ModelState.IsValid)
         {
```

```
            _context.Add(city);
            await _context.SaveChangesAsync();
            return RedirectToAction(nameof(Index));
        }
        return View(city);
    }

    // GET: Cities/Edit/5
    public async Task<IActionResult> Edit(int? id)
    {
        if (id == null)
        {
            return NotFound();
        }

        var city = await _context.City.FindAsync(id);
        if (city == null)
        {
            return NotFound();
        }
        return View(city);
    }

    // POST: Cities/Edit/5
    // To protect from overposting attacks, please enable the specific properties you want to bind to, for
    // more details see http://go.microsoft.com/fwlink/?LinkId=317598.
    [HttpPost]
    [ValidateAntiForgeryToken]
    public async Task<IActionResult> Edit(int id, [Bind("id,Name,Descripcion,Slung")] City city)
    {
        if (id != city.id)
        {
            return NotFound();
        }

        if (ModelState.IsValid)
        {
            try
            {
                _context.Update(city);
                await _context.SaveChangesAsync();
            }
            catch (DbUpdateConcurrencyException)
            {
                if (!CityExists(city.id))
                {
                    return NotFound();
                }
                else
                {
                    throw;
                }
            }
            return RedirectToAction(nameof(Index));
        }
        return View(city);
    }

    // GET: Cities/Delete/5
    public async Task<IActionResult> Delete(int? id)
    {
        if (id == null)
```

```
            {
                return NotFound();
            }

            var city = await _context.City
                .FirstOrDefaultAsync(m => m.id == id);
            if (city == null)
            {
                return NotFound();
            }

            return View(city);
        }

        // POST: Cities/Delete/5
        [HttpPost, ActionName("Delete")]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult> DeleteConfirmed(int id)
        {
            var city = await _context.City.FindAsync(id);
            _context.City.Remove(city);
            await _context.SaveChangesAsync();
            return RedirectToAction(nameof(Index));
        }

        private bool CityExists(int id)
        {
            return _context.City.Any(e => e.id == id);
        }
    }
}
```

Controlador Evento

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using Microsoft.AspNetCore.Mvc;
using Microsoft.AspNetCore.Mvc.Rendering;
using Microsoft.EntityFrameworkCore;
using EventoTec.web.Models;
using EventoTec.web.Models.entities;

namespace EventoTec.web.Controllers
{
   public class EventsController : Controller
   {
      private readonly DataDbContext _context;

      public EventsController(DataDbContext context)
      {
         _context = context;
      }

      // GET: Events
      public async Task<IActionResult> Index()
      {
         var dataDbContext = _context.Events.Include(a => a.Category).Include(a => a.City);
         return View(await dataDbContext.ToListAsync());
      }

      // GET: Events/Details/5
      public async Task<IActionResult> Details(int? id)
      {
         if (id == null)
         {
            return NotFound();
         }

         var @event = await _context.Events
            .Include(a => a.Category)
            .Include(a => a.City)
            .FirstOrDefaultAsync(m => m.Id == id);
         if (@event == null)
         {
            return NotFound();
         }

         return View(@event);
      }

      // GET: Events/Create
      public IActionResult Create()
      {
         ViewData["CategoryId"] = new SelectList(_context.Category, "Id", "Name");
         ViewData["CityId"] = new SelectList(_context.City, "id", "Name");
         return View();
      }

      // POST: Events/Create
      // To protect from overposting attacks, please enable the specific properties you want to bind to, for
      // more details see http://go.microsoft.com/fwlink/?LinkId=317598.
```

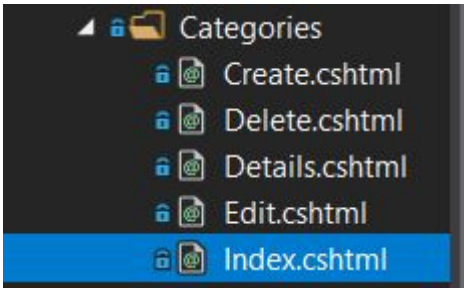
```
        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult>
Create([Bind("Id,Name,EventDate,Descripcion,Picture,People,Duretion,CityId,CategoryId")] Event @event)
        {
            if (ModelState.IsValid)
            {
                _context.Add(@event);
                await _context.SaveChangesAsync();
                return RedirectToAction(nameof(Index));
            }
            ViewData["CategoryId"] = new SelectList(_context.Category, "Id", "Name", @event.CategoryId);
            ViewData["CityId"] = new SelectList(_context.City, "id", "Name", @event.CityId);
            return View(@event);
        }

        // GET: Events/Edit/5
        public async Task<IActionResult> Edit(int? id)
        {
            if (id == null)
            {
                return NotFound();
            }

            var @event = await _context.Events.FindAsync(id);
            if (@event == null)
            {
                return NotFound();
            }
            ViewData["CategoryId"] = new SelectList(_context.Category, "Id", "Description", @event.CategoryId);
            ViewData["CityId"] = new SelectList(_context.City, "id", "Descripcion", @event.CityId);
            return View(@event);
        }

        // POST: Events/Edit/5
        // To protect from overposting attacks, please enable the specific properties you want to bind to, for
        // more details see http://go.microsoft.com/fwlink/?LinkId=317598.
        [HttpPost]
        [ValidateAntiForgeryToken]
        public async Task<IActionResult> Edit(int id,
[Bind("Id,Name,EventDate,Descripcion,Picture,People,Duretion,CityId,CategoryId")] Event @event)
        {
            if (id != @event.Id)
            {
                return NotFound();
            }

            if (ModelState.IsValid)
            {
                try
                {
                    _context.Update(@event);
                    await _context.SaveChangesAsync();
                }
                catch (DbUpdateConcurrencyException)
                {
                    if (!EventExists(@event.Id))
                    {
                        return NotFound();
                    }
                    else
                    {
```

```
                throw;
            }
        }
        return RedirectToAction(nameof(Index));
    }
    ViewData["CategoryId"] = new SelectList(_context.Category, "Id", "Description", @event.CategoryId);
    ViewData["CityId"] = new SelectList(_context.City, "id", "Descripcion", @event.CityId);
    return View(@event);
}

// GET: Events/Delete/5
public async Task<IActionResult> Delete(int? id)
{
    if (id == null)
    {
        return NotFound();
    }

    var @event = await _context.Events
        .Include(a => a.Category)
        .Include(a => a.City)
        .FirstOrDefaultAsync(m => m.Id == id);
    if (@event == null)
    {
        return NotFound();
    }

    return View(@event);
}

// POST: Events/Delete/5
[HttpPost, ActionName("Delete")]
[ValidateAntiForgeryToken]
public async Task<IActionResult> DeleteConfirmed(int id)
{
    var @event = await _context.Events.FindAsync(id);
    _context.Events.Remove(@event);
    await _context.SaveChangesAsync();
    return RedirectToAction(nameof(Index));
}

private bool EventExists(int id)
{
    return _context.Events.Any(e => e.Id == id);
}
  }
}
```

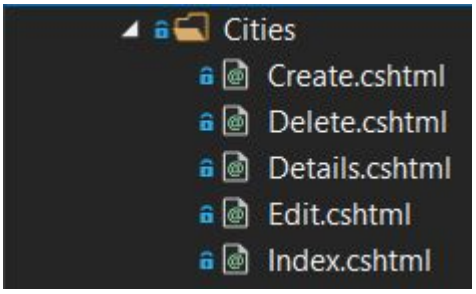
Data Context

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Threading.Tasks;
using EventoTec.web.Models.entities;
using Microsoft.EntityFrameworkCore;

namespace EventoTec.web.Models
{
   public class DataDbContext :DbContext
   {
      public DataDbContext(DbContextOptions<DataDbContext> options) : base(options)
      {

      }

      public DbSet<Client> Clients { get; set; }
      public DbSet<City> City { get; set; }
      public DbSet<Event> Events { get; set; }
      public DbSet<EventoTec.web.Models.entities.Category> Category { get; set; }

   }
}
```

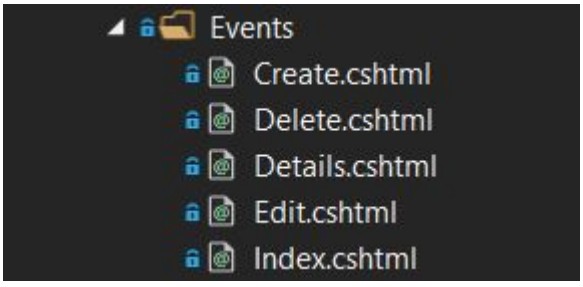
El código de las vistas de los HTML de Categorías



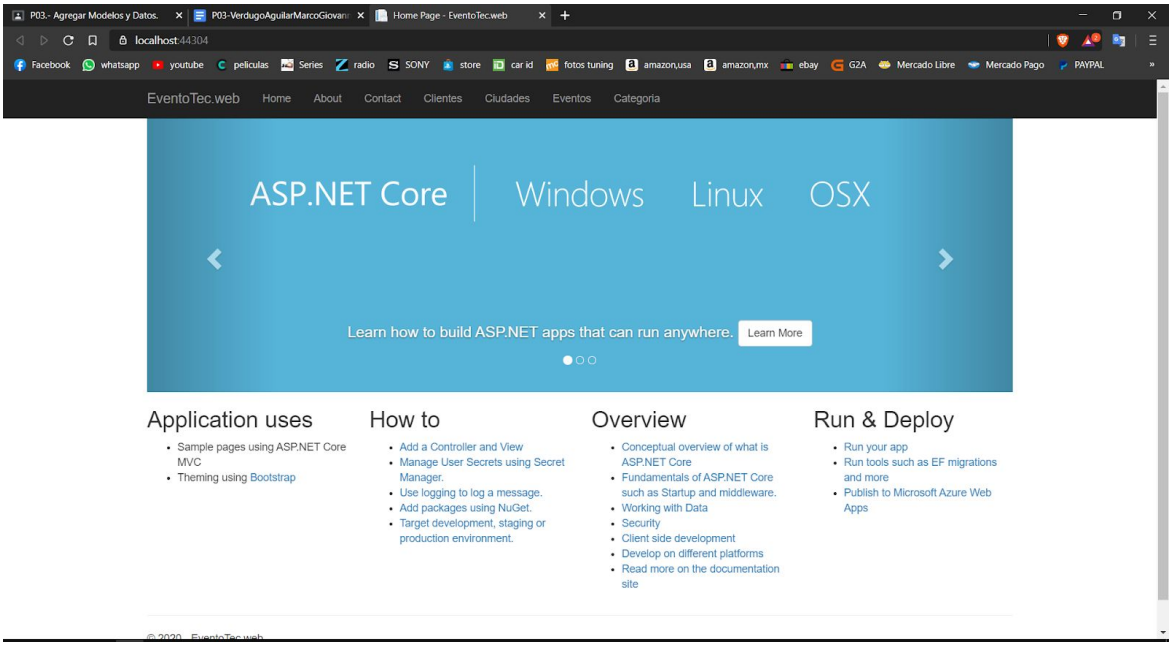
El código de las vistas de los HTML de Ciudades



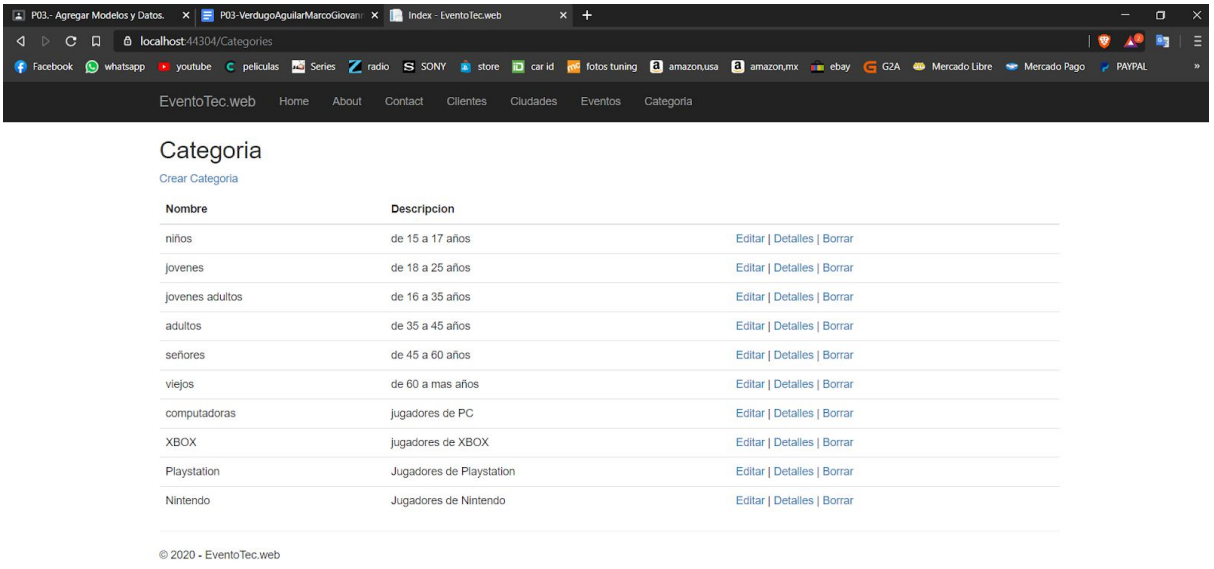
El código de las vistas de los HTML de Eventos



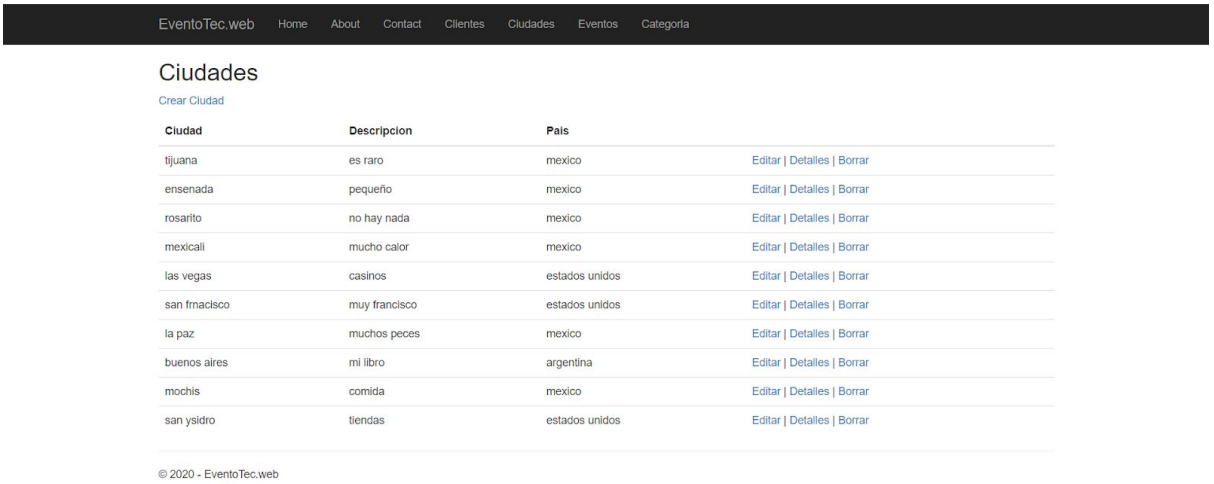
Diseño HTML



Categoria



Ciudades



Eventos