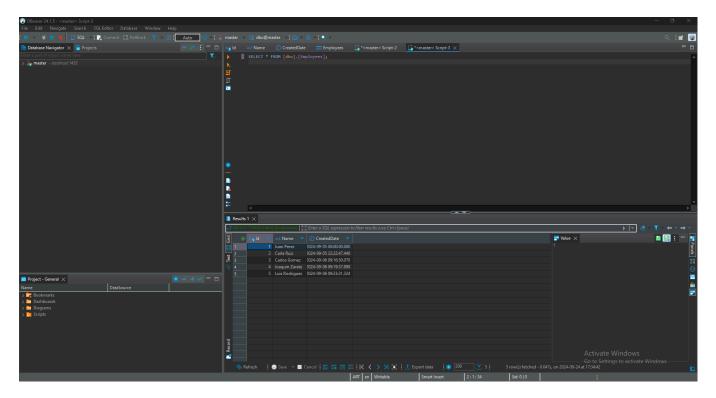
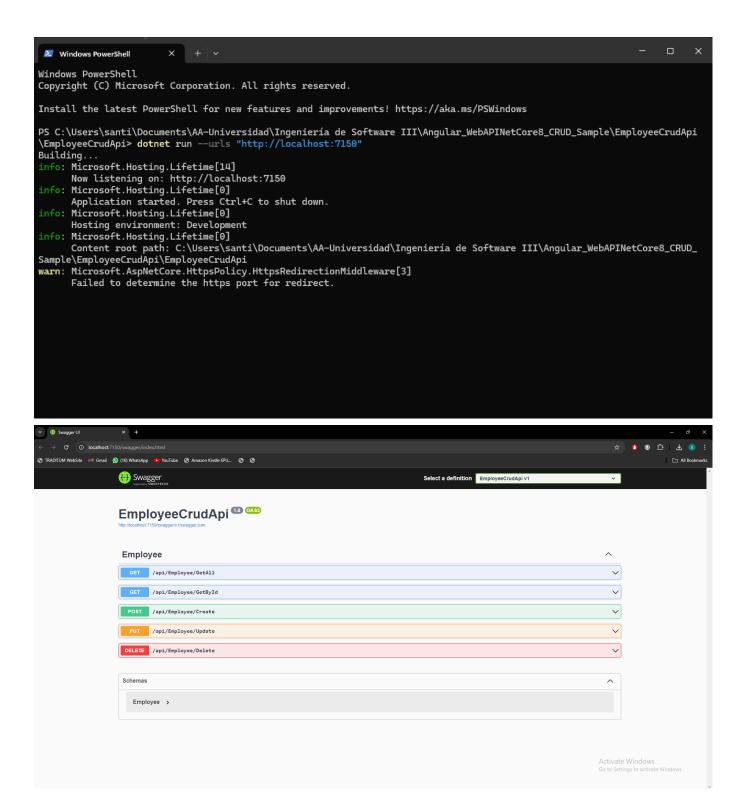
TP6

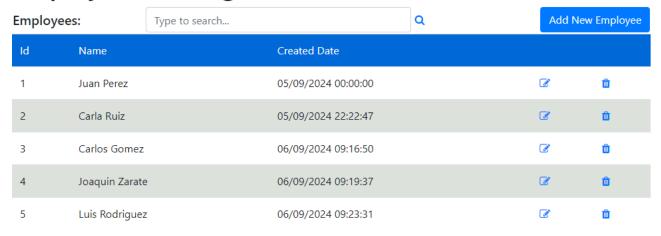
4.1 Creación de una BD SQL Server para nuestra App



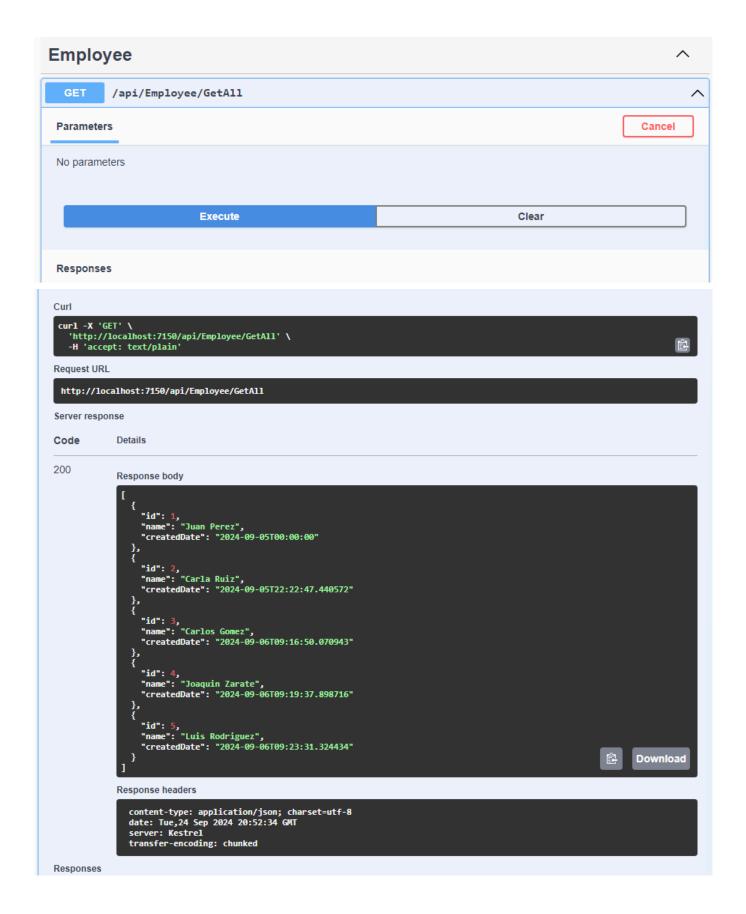
4.2 Obtener nuestra App



Employee Crud Angular



PRUEBA EMPLOYEE CRUD API:



4.3 Crear Pruebas Unitarias para nuestra API

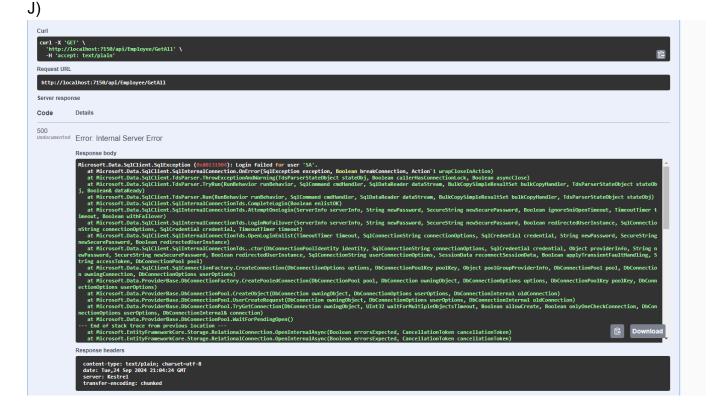
```
Determining projects to restore...
Restored C:\lisers\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\EmployeeCrudApi.Tests.csproj (in 1.57 sec).
1 of 2 norjects are up-to-date for restore.
EmployeeCrudApi. -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi\EmployeeCrudApi.Tests.>> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests.\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\Delta\D
```

"ConnectionStrings": {|
| "DefaultConnection": "Server=localhost,1433;Initial Catalog=master;Persist Security Info=False;User ID=5A;Password=passwordincorrecta;MultipleActiveResultSets=False;Encrypt=False;IrustServerCertificate=Im

],
"Logging": {
 "Loglevel": {
 "Default": "Information",
 "Microsoft.AspNetCore": "Warning"

"AllowedHosts": "*"

I)



L)

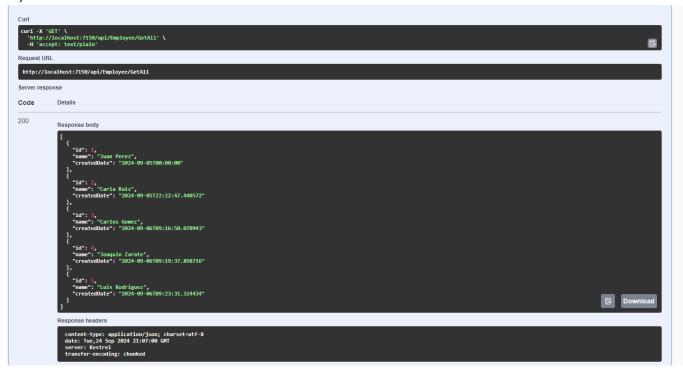
```
PS C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests> dotnet build
Determining projects to restore...
All projects are up-to-date for restore.
EmployeeCrudApi -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi\EmployeeCrudApi\ImployeeCrudApi.Tests -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net8.0
\EmployeeCrudApi.Tests.dll

Build succeeded.
0 Warning(s)
0 Error(s)

Time Elapsed 00:00:01.23

PS C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests> dotnet test
Determining projects to restore...
All projects are up-to-date for restore.
EmployeeCrudApi -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests>
0 \EmployeeCrudApi -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net 8.0 \EmployeeCrudApi.Tests -> C:\Users\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net 8.0 \EmployeeCrudApi.Tests.dll (.NETCoreApp,\Versinar\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net8.0 \EmployeeCrudApi.Tests.dll (.NETCoreApp,\Versinar\santi\Documents\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net8.0 \EmployeeCrudApi.Tests.dll (.NETCoreApp,\Versinar\santi\Decuments\AA-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\net8.0 \EmployeeCrudApi.Tests.dll (.NETCoreApp,\Versinar\santi\Decuments\AD-Universidad\Ingenieria de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi.Tests\bin\Debug\n
```

N)



4.4 Creamos pruebas unitarias para nuestro front de Angular:

B)

```
C: > Users > santi > Documents > AA-Universidad > Ingeniería de Software III > Angular_WebAPINetCore8_CRUD_Sample > EmployeeCrudAngular > src > app > TS app.component.spec.ts > ...

import { TestBed } from '@angular/core/testing';

import { AppComponent } from './app.component'; // Ajusta la ruta si es necesario

describe('AppComponent', () => {

beforeEach(async () => {

imports: [AppComponent], // Usa imports en lugar de declarations
}).compileComponents();

});

it('should render title', () => {

const fixture = TestBed.createComponent(AppComponent);

fixture.detectchanges();

const compiled = fixture.nativeElement as HTMLElement;

expect(compiled.querySelector('h1')?.textContent).toContain('EmployeeCrudAngular');

});

propried TestBed > EmployeeCrudAngular > src > app > TS app.component.spec.ts > ...

Import { AppComponent > src > app > TS app.component.spec.ts > ...

import { AppComponent } render = render
```

C)

D)

```
C: > Users > sant > Documents > AA-Universidad > Ingenieria de Software III > Angular, WebAPiNetCore8, CRUD_Sample > EmployeeCrudAngular > src > app > addemployee.component.spects > ...

import { TestBed } from '@angular/core/testing';

import { AddemployeeComponent } from './addemployee.component';

import { AddemployeeComponent } from './addemployee.component';

import { ActivateGoutue } from '@angular/common/ittp/testing';

import { AddemployeeComponent, () => {

beforeEach(() => {

restBed.configureTestingModule({

imports: [AddemployeeComponent, HttpClientTestingModule],

providers: {

DatePipe, {

provide: ActivatedRoute, // Simula ActivatedRoute

useValue: {

params: of({ id: 1 }) // simula el par@metro id en la URL
}

}

it('should create', () => {

const fixture = TestBed.createComponent(AddemployeeComponent);

const component = fixture.componentInstance;

expect(component).toBeTruthy();
}

});

}

provide: ActivatedRoute);

sepect(component).toBeTruthy();
}

provide: ActivatedRoute);

sepect(component).toBeTruthy();
}

sepect(component).toBeTruthy();
```

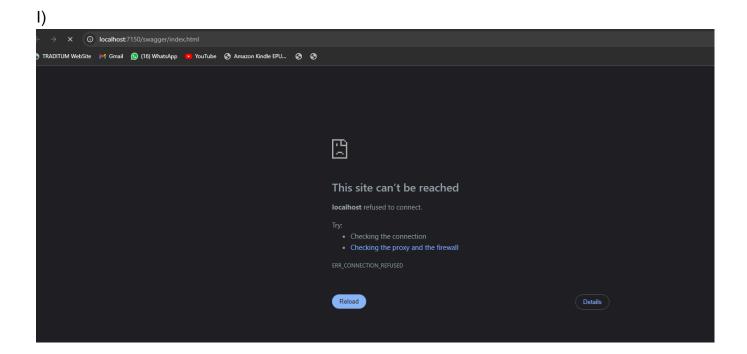
G)

Karma v 6.4.3 - connected; test: complete; Chrome 129.0.0 (Windows 10) is idle (B) Jasmine 4.6.1 4 specs, 0 failures, randomized with seed 47682 Appersonment - should render title Employeccomponent - should render - should renter we all employees

H)

```
PS C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudAng ular> ng test

*Browser application bundle generation complete.
24 09 2024 18:28:38.605:WARN [karma]: No captured browser, open http://localhost:9876/
24 09 2024 18:28:38.629:INFO [karma-server]: Karma v6.4.3 server started at http://localhost:9876/
24 09 2024 18:28:38.629:INFO [launcher]: Launching browsers Chrome with concurrency unlimited
24 09 2024 18:28:38.635:INFO [launcher]: Starting browser Chrome
24 09 2024 18:28:39.307:INFO [chrome 129.0.0.0 (Windows 10)]: Connected on socket _wn5lrUfX-l4QSlYAAAB with id 77651704
Chrome 129.0.0.0 (Windows 10): Executed 4 of 4 SUCCESS (0.121 secs / 0.074 secs)
TOTAL: 4 SUCCESS
```



4.5 Agregamos generación de reporte XML de nuestras pruebas de front.

A)

```
PS C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudAng ular> npm install karma-junit-reporter ---save-dev

added 2 packages, and audited 937 packages in 3s

120 packages are looking for funding run 'npm fund' for details

11 vulnerabilities (7 moderate, 4 high)

To address issues that do not require attention, run: npm audit fix

To address all issues (including breaking changes), run: npm audit fix ---force

Run 'npm audit' for details.
```

B)

```
{} appsettings.json
                                                                              K karma.conf.js X
                     TS app.component.spec.ts
C: > Users > santi > Documents > AA-Universidad > Ingeniería de Software III > Angular_WebAPINetCore8_CRUD_Sample > EmployeeCrudAngular > 🕻 karma.conf.js > ...
       module.exports = function (config) {
           config.set({
              frameworks: ['jasmine', '@angular-devkit/build-angular'],
              plugins: [
                require('karma-jasmine'),
                require('karma-chrome-launcher'),
                require('karma-junit-reporter'),
                require('@angular-devkit/build-angular/plugins/karma')
              reporters: ['progress', 'junit'],
              junitReporter: {
                outputDir: 'test-results',
outputFile: 'test-results.xml',
                useBrowserName: false
              port: 9876,
              colors: true,
              logLevel: config.LOG_INFO,
              autoWatch: true,
              browsers: ['ChromeHeadless'],
              singleRun: true,
              restartOnFileChange: true
 24
```

C)

```
PS C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudAng ular> ng test --karma-config=karma.conf.js --watch=false --browsers ChromeHeadless

Browser application bundle generation complete.

4 09 2024 18:34:46.961:INFO [karma-server]: Karma v6.4.3 server started at http://localhost:9877/

4 09 2024 18:34:46.963:INFO [launcher]: Launching browsers ChromeHeadless with concurrency unlimited

4 09 2024 18:34:46.968:INFO [launcher]: Starting browser ChromeHeadless

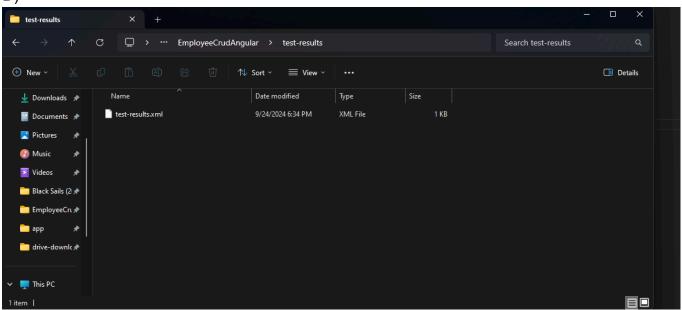
4 09 2024 18:34:47.666:INFO [Chrome Headless 129.0.0.0 (Windows 10)]: Connected on socket fuHJfze2HGR6_GX8AAAB with id

30921374

Chrome Headless 129.0.0.0 (Windows 10): Executed 4 of 4 SUCCESS (0.127 secs / 0.069 secs)

TOTAL: 4 SUCCESS
```

D)



- 4.6 Modificamos el código de nuestra API y creamos nuevas pruebas unitarias:
- 1. Al agregar y al editar un empleado, controlar que el nombre del empleado no esté repetido.

```
public async Task<IActionResult> Create([FromBody] Employee employee)
   var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
   employee.CreatedDate = DateTime.Now;
   await context.Employees.AddAsync(employee);
   await _context.SaveChangesAsync();
   return Ok(employee);
[HttpPut]
public async Task<IActionResult> Update([FromBody] Employee employee)
   var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name && e.Id != employee.Id);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
   var employeeToUpdate = await _context.Employees.FindAsync(employee.Id);
    if (employeeToUpdate == null)
       return NotFound("El empleado no existe.");
   employeeToUpdate.Name = employee.Name;
   await _context.SaveChangesAsync();
   return Ok(employeeToUpdate);
```





2. La longitud máxima del nombre y apellido del empleado debe ser de 100 caracteres.

```
public async Task<IActionResult> Create([FromBody] Employee employee)
{
    // Verificar si la longitud del nombre excede los 100 caracteres
    if (employee.Name.Length > 100)
    {
        return BadRequest("El nombre no puede tener mass de 100 caracteres.");
    }

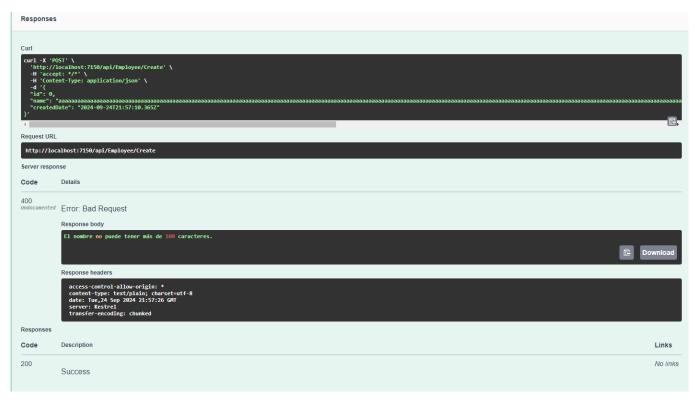
    // Verificar si ya existe un empleado con el mismo nombre
    var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name);

    if (existingEmployee)
    {
        return BadRequest("El nombre del empleado ya existe.");
    }

    employee.CreatedDate = DateTime.Now;
    await _context.Employees.AddAsync(employee);
    await _context.SaveChangesAsync();

    return Ok(employee);
}
```

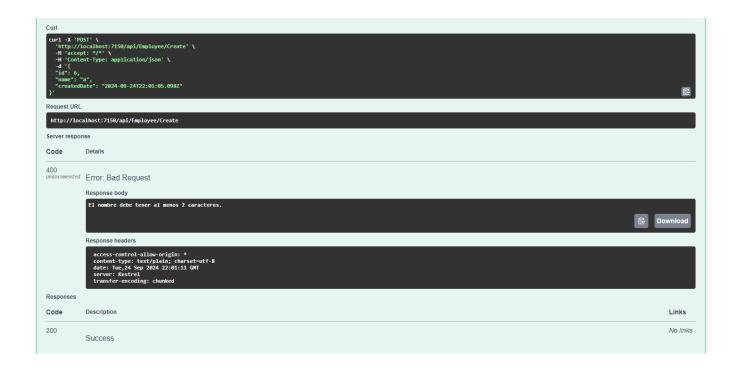
```
[HttpPut]
public async Task<IActionResult> Update([FromBody] Employee employee)
   // Verificar si la longitud del nombre excede los 100 caracteres
   if (employee.Name.Length > 100)
       return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Verificar si ya existe un empleado con el mismo nombre (exceptuando el actual)
   var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name && e.Id != employee.Id);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
   var employeeToUpdate = await context.Employees.FindAsync(employee.Id);
   if (employeeToUpdate == null)
   {
       return NotFound("El empleado no existe.");
   employeeToUpdate.Name = employee.Name;
   await context.SaveChangesAsync();
   return Ok(employeeToUpdate);
```



3. Validar que el nombre tenga un número mínimo de caracteres, por ejemplo, al menos dos caracteres para evitar entradas inválidas como "A".

```
[HttpPost]
public async Task<IActionResult> Create([FromBody] Employee employee)
   // Verificar si la longitud del nombre es menor a 2 caracteres
   if (employee.Name.Length < 2)
       return BadRequest("El nombre debe tener al menos 2 caracteres.");
   // Verificar si la longitud del nombre excede los 100 caracteres
   if (employee.Name.Length > 100)
       return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Verificar si ya existe un empleado con el mismo nombre
    var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name);
    if (existingEmployee)
        return BadRequest("El nombre del empleado ya existe.");
    employee.CreatedDate = DateTime.Now;
    await _context.Employees.AddAsync(employee);
    await context.SaveChangesAsync();
    return Ok(employee);
```

```
[HttpPut]
public async Task<IActionResult> Update([FromBody] Employee employee)
   // Verificar si la longitud del nombre es menor a 2 caracteres
   if (employee.Name.Length < 2)</pre>
       return BadRequest("El nombre debe tener al menos 2 caracteres.");
   // Verificar si la longitud del nombre excede los 100 caracteres
   if (employee.Name.Length > 100)
       return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Verificar si ya existe un empleado con el mismo nombre (exceptuando el actual)
   var existingEmployee = await context.Employees
        .AnyAsync(e => e.Name == employee.Name && e.Id != employee.Id);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
   var employeeToUpdate = await _context.Employees.FindAsync(employee.Id);
   if (employeeToUpdate == null)
       return NotFound("El empleado no existe.");
   employeeToUpdate.Name = employee.Name;
   await _context.SaveChangesAsync();
   return Ok(employeeToUpdate);
```



4. Verificar que el nombre no contenga números, ya que no es común en los nombres de empleados.

```
[HttpPost]
public async Task<IActionResult> Create([FromBody] Employee employee)
   // Verificar si el nombre contiene números
   if (Regex.IsMatch(employee.Name, @"\d"))
       return BadRequest("El nombre no puede contener números.");
   // Verificar si la longitud del nombre es menor a 2 caracteres
   if (employee.Name.Length < 2)</pre>
       return BadRequest("El nombre debe tener al menos 2 caracteres.");
   // Verificar si la longitud del nombre excede los 100 caracteres
   if (employee.Name.Length > 100)
       return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Verificar si ya existe un empleado con el mismo nombre
    var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
    employee.CreatedDate = DateTime.Now;
    await _context.Employees.AddAsync(employee);
    await _context.SaveChangesAsync();
   return Ok(employee);
```

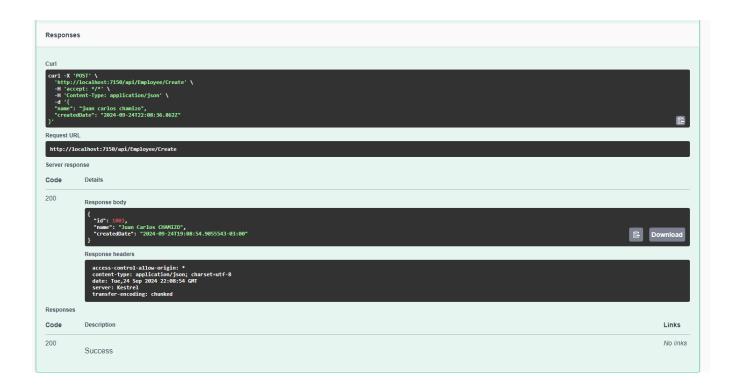
```
[HttpPut]
public async Task<IActionResult> Update([FromBody] Employee employee)
   // Verificar si el nombre contiene números
   if (Regex.IsMatch(employee.Name, @"\d"))
        return BadRequest("El nombre no puede contener números.");
   if (employee.Name.Length < 2)</pre>
       return BadRequest("El nombre debe tener al menos 2 caracteres.");
    // Verificar si la longitud del nombre excede los 100 caracteres
   if (employee.Name.Length > 100)
       return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Verificar si ya existe un empleado con el mismo nombre (exceptuando el actual)
   var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name && e.Id != employee.Id);
   if (existingEmployee)
        return BadRequest("El nombre del empleado ya existe.");
   var employeeToUpdate = await _context.Employees.FindAsync(employee.Id);
   if (employeeToUpdate == null)
       return NotFound("El empleado no existe.");
   employeeToUpdate.Name = employee.Name;
   await _context.SaveChangesAsync();
    return Ok(employeeToUpdate);
```



5. Almacenar el nombre en la BD siempre con la primera letra de los nombres en Mayuscula y todo el apellido en Mayusculas. Ejemplo, si recibo juan carlos chamizo, se debe almacenar como Juan Carlos CHAMIZO.

```
[HttpPost]
public async Task<IActionResult> Create([FromBody] Employee employee)
    // Verificar si el nombre contiene números
   if (Regex.IsMatch(employee.Name, @"\d"))
       return BadRequest("El nombre no puede contener números.");
    // Verificar si la longitud del nombre es menor a 2 caracteres
    if (employee.Name.Length < 2)</pre>
        return BadRequest("El nombre debe tener al menos 2 caracteres.");
    // Verificar si la longitud del nombre excede los 100 caracteres
    if (employee.Name.Length > 100)
        return BadRequest("El nombre no puede tener más de 100 caracteres.");
    // Formatear el nombre correctamente
    employee.Name = FormatName(employee.Name);
    var existingEmployee = await context.Employees
        .AnyAsync(e => e.Name == employee.Name);
    if (existingEmployee)
        return BadRequest("El nombre del empleado ya existe.");
    employee.CreatedDate = DateTime.Now;
    await _context.Employees.AddAsync(employee);
    await _context.SaveChangesAsync();
    return Ok(employee);
```

```
[HttpPut]
public async Task<IActionResult> Update([FromBody] Employee employee)
   // Verificar si el nombre contiene números
   if (Regex.IsMatch(employee.Name, @"\d"))
       return BadRequest("El nombre no puede contener números.");
   // Verificar si la longitud del nombre es menor a 2 caracteres
   if (employee.Name.Length < 2)</pre>
        return BadRequest("El nombre debe tener al menos 2 caracteres.");
   if (employee.Name.Length > 100)
        return BadRequest("El nombre no puede tener más de 100 caracteres.");
   // Formatear el nombre correctamente
   employee.Name = FormatName(employee.Name);
   // Verificar si ya existe un empleado con el mismo nombre (exceptuando el actual)
   var existingEmployee = await _context.Employees
        .AnyAsync(e => e.Name == employee.Name && e.Id != employee.Id);
   if (existingEmployee)
       return BadRequest("El nombre del empleado ya existe.");
   var employeeToUpdate = await context.Employees.FindAsync(employee.Id);
   if (employeeToUpdate == null)
        return NotFound("El empleado no existe.");
   employeeToUpdate.Name = employee.Name;
   await _context.SaveChangesAsync();
   return Ok(employeeToUpdate);
```



B. Crear las pruebas unitarias necesarias para validar las modificaciones realizadas en el código

```
[Fact]
public async Task Create_Fails_WhenNameTooShort()
{
    // Arrange
    var context = GetInMemoryDbContext();
    var controller = new EmployeeController(context);

    var newEmployee = new Employee { Id = 3, Name = "A" };

    // Act
    var result = await controller.Create(newEmployee);

    // Assert
    Assert.IsType<BadRequestObjectResult>(result);
}
```

```
[Fact]
public async Task Create_Fails_WhenNameContainsNumbers()
{
    // Arrange
    var context = GetInMemoryDbContext();
    var controller = new EmployeeController(context);

    var newEmployee = new Employee { Id = 3, Name = "John123" };

    // Act
    var result = await controller.Create(newEmployee);

    // Assert
    Assert.IsType<BadRequestObjectResult>(result);
}
```

```
[Fact]
public async Task Create_Fails_WhenNameTooLong()
{
    // Arrange
    var context = GetInMemoryDbContext();
    var controller = new EmployeeController(context);

    var newEmployee = new Employee { Id = 3, Name = new string('a', 101) }; // Nombre con mass de 100 caracteres

    // Act
    var result = await controller.Create(newEmployee);

    // Assert
    Assert.IsType<BadRequestObjectResult>(result);
}
```

```
[Fact]
public async Task Create_Fails_WhenNameIsDuplicated()
{
    // Arrange
    var context = GetInMemoryDbContext();
    var employee1 = new EmployeeController(context);

    var employee2 = new Employee { Id = 1, Name = "John Doe" };
    var employee2 = new Employee { Id = 2, Name = "John Doe" }; // Nombre duplicado

    context.Employees.Add(employee1);
    await context.SaveChangesAsync();

    // Act
    var result = await controller.Create(employee2);

    // Assert
    Assert.IsType<BadRequestObjectResult>(result); // Controlar duplicados correctamente
}
```

```
[Fact]
             public async Task Create_FormatsNameCorrectly()
                  // Arrange
                  var context = GetInMemoryDbContext();
                  var controller = new EmployeeController(context);
                  var newEmployee = new Employee { Id = 3, Name = "juan carlos chamizo" };
                  await controller.Create(newEmployee);
                  // Assert
                  var employee = await context.Employees.FindAsync(3);
                  Assert.NotNull(employee);
                  Assert.Equal("Juan Carlos CHAMIZO", employee.Name);
Time Elapsed 00:00:01.41
PS C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sample\EmployeeCrudApi
.Tests> dotnet test
 Determining projects to restore...
 All projects are up-to-date for restore.
 EmployeeCrudApi -> C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sam
 ple\EmployeeCrudApi\EmployeeCrudApi\bin\Debug\net8.0\EmployeeCrudApi.dll
 EmployeeCrudApi.Tests -> C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CR
UD_Sample\EmployeeCrudApi.Tests\bin\Debug\net8.0\EmployeeCrudApi.Tests.dll
Test run for C:\Users\santi\Documents\AA-Universidad\Ingeniería de Software III\Angular_WebAPINetCore8_CRUD_Sample\Emplo
yeeCrudApi.Tests\bin\Debug\net8.0\EmployeeCrudApi.Tests.dll (.NETCoreApp,Version=v8.0)
```

0, Total: 10, Duration: 113 ms - EmployeeCrudApi.Tests.dll (net

VSTest version 17.11.0 (x64)

Passed! - Failed:

8.0)

Starting test execution, please wait...

A total of 1 test files matched the specified pattern.

10, Skipped: