SESI 12

1. Visual Studio 2022, Buat Project Baru> Template .NET Core Web API > Nama Project: UnitTest\_Mock>Setting default>create
2. Install Package:
3. Pada ‘UnitTest\_Mock’ Tambahkan File:

* ‘Models/ApiDbContext.cs’

-------------------------------------------------------------------------------------------------------------------------------

using Microsoft.EntityFrameworkCore;

namespace UnitTest\_Mock.Models

{

public class ApiDbContext : DbContext

{

public virtual DbSet<EmployeeItem> Employee { get; set; }

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

{

}

}

}

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* ‘Models/EmployeeItem.cs’

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using System.ComponentModel.DataAnnotations;

namespace UnitTest\_Mock.Models

{

public class EmployeeItem

{

[Key]

public int Id { get; set; }

public string Name { get; set; }

public string Designation { get; set; }

}

}

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1. Tambahkan kode pada ‘UnitTest\_Mock/startup.cs’ setelah ‘services.AddSwaggerGen’

-------------------------------------------------------------------------------------------------------------------------------services.AddDbContext<ApiDbContext>(options =>

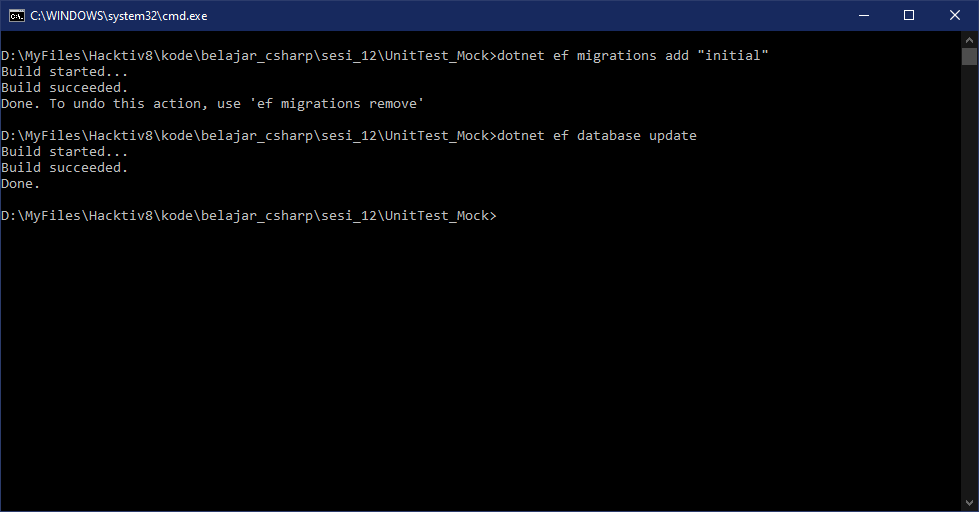
options.UseMySql(Configuration.GetConnectionString("DefaultConnection"),

new MySqlServerVersion(new Version(10, 4, 22))));

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1. Migrasi dan Update Database

* dotnet ef migrations add "initial"
* dotnet ef database update



1. Tambahkan File:

* ‘UnitTest\_Mock/Services/EmployeeService.cs’

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using UnitTest\_Mock.Models;

using System.Threading.Tasks;

using Microsoft.EntityFrameworkCore;

using System.Linq;

namespace UnitTest\_Mock.Sevices

{

public class EmployeeService

{

private readonly ApiDbContext \_context;

public EmployeeService(ApiDbContext context)

{

\_context = context;

}

public async Task<string> GetEmployeebyId(int id)

{

var name = await \_context.Employee.Where(c => c.Id == id).Select(d => d.Name).FirstOrDefaultAsync();

return name;

}

public async Task<EmployeeItem> GetEmployeeDetails(int id)

{

var details = await \_context.Employee.FirstOrDefaultAsync(c => c.Id == id);

return details;

}

}

}

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* ‘UnitTest\_Mock/Services/IEmployeeService.cs’

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using System.Threading.Tasks;

using UnitTest\_Mock.Models;

namespace UnitTest\_Mock.Sevices

{

public interface IEmployeeService

{

Task<string> GetEmployeebyId(int id);

Task<EmployeeItem> GetEmployeeDetails(int id);

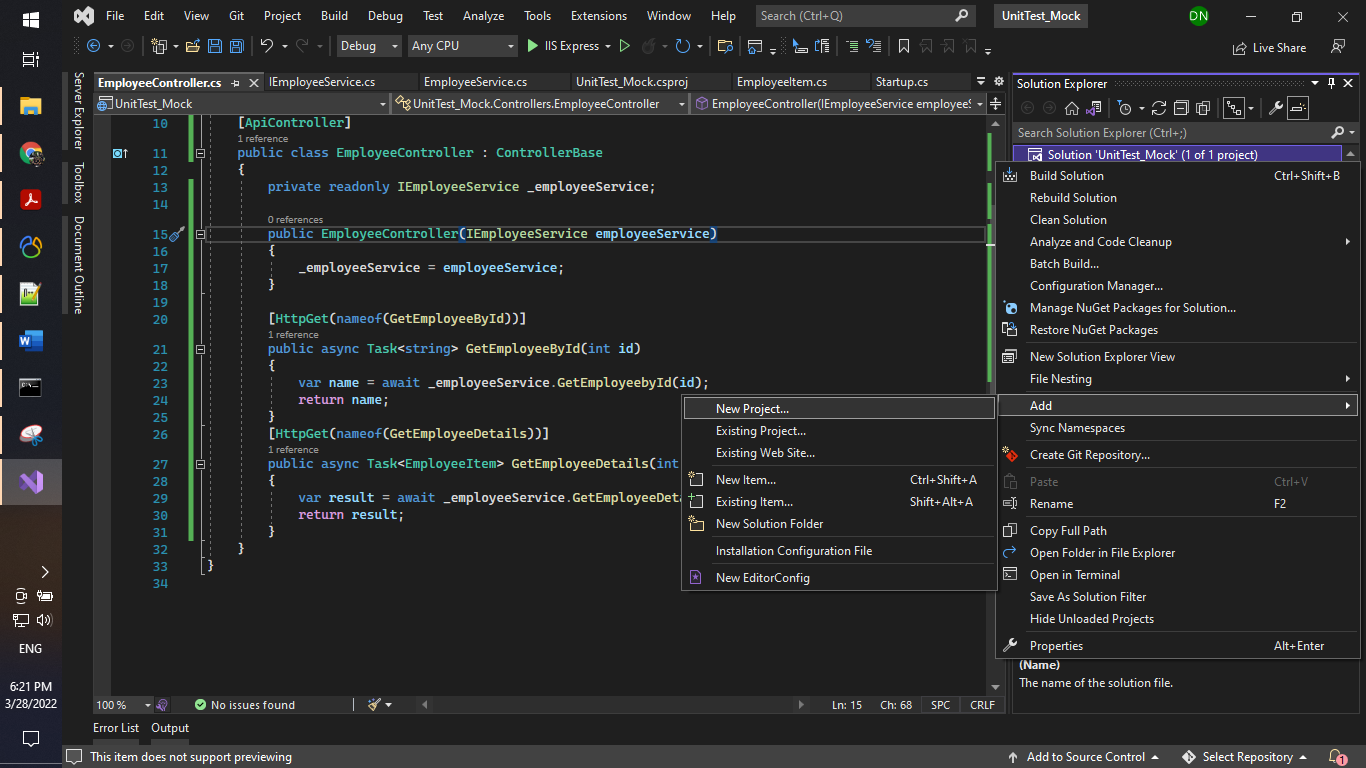
}

}

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1. Buat Project baru pada solution yang sama.

Klik Kanan pada solution>Add>New Project



Lokasikan project pada folder yang sama dengan ‘UnitTest\_Mock’:

