# 2. Swagger and Postman Integration

## Task 2: Swagger and Postman Integration

### Objectives:  
- Install Swagger (Swashbuckle) and configure  
- Test API endpoints in Swagger UI and Postman  
- Explain routing and action name customization

### 1. Installing Swagger  
- Install NuGet package: `Swashbuckle.AspNetCore`  
- In `Program.cs` add:  
```csharp  
builder.Services.AddSwaggerGen();  
app.UseSwagger();  
app.UseSwaggerUI();  
```

### 2. Swagger Features  
- Provides web UI for testing endpoints  
- Lists action methods and schemas  
- Allows testing without external tools

### 3. Postman Usage  
- Set request type (GET/POST/etc.)  
- Enter URL like `https://localhost:7123/employee`  
- Go to Body → Raw → JSON → Add payload

### 4. Route and Action Name  
- Use `[Route("customroute")]` for friendly URLs  
- Use `[ActionName("GetById")]` for overloaded methods

### 5. Example Controller:  
```csharp  
[Route("emp")]  
[ApiController]  
public class EmployeeController : ControllerBase  
{ ... }  
```

