Swagger installeren in Web API (ASP.NET Core)

1) **Installeer de NuGet Package Swashbuckle.AspNetCore**
2) **Open je startup.cs en voeg de volgende lijnen toe :**
   - **Aan ConfigureServices(..) :**

```csharp
        public void ConfigureServices(IServiceCollection services)
        {
            //services.ConfigureSqlContext(Configuration);
            services.AddDbContext<RepositoryContext>(opts =>

opts.UseSqlServer(Configuration.GetConnectionString("sqlConnection"), b =>
            b.MigrationsAssembly("StudentSubjects")));
            // services.ConfigureLoggerService();

            services.ConfigureRepositoryManager();
            services.AddAutoMapper(typeof(Startup));
            services.Configure<ApiBehaviorOptions>(options =>
            {
                options.SuppressModelStateInvalidFilter = true;
            });
            services.AddControllers();
            services.AddSwaggerGen(s =>
            {
                s.SwaggerDoc("v1", new OpenApiInfo
                {
                    Title = "Students & Subjects API",
                    Version = "v1"
                });
            });
        }
```

   - **Aan Configure(...) :**

```csharp
        public void Configure(IApplicationBuilder app, IWebHostEnvironment
env)//, ILoggerManager logger)
        {
            if (env.IsDevelopment())
            {
                app.UseDeveloperExceptionPage();
            }
        // app.ConfigureExceptionHandler(logger);

            app.UseHttpsRedirection();
            //app.UseStaticFiles();
            app.UseSwagger();
            app.UseSwaggerUI(s =>
            {
                s.SwaggerEndpoint("/swagger/v1/swagger.json", "API v1");

            });

            app.UseRouting();

            app.UseAuthorization();

            app.UseEndpoints(endpoints =>
```
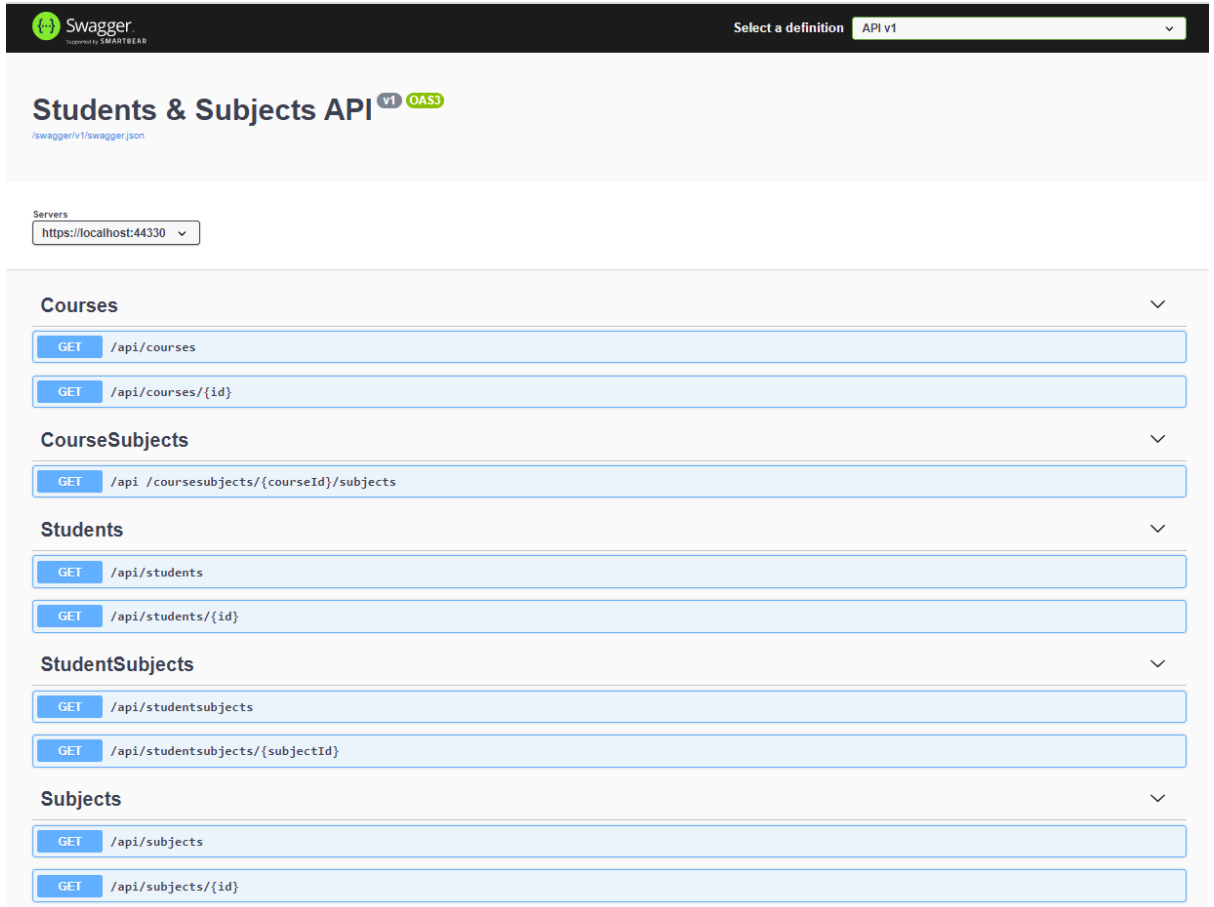
```
            {
                endpoints.MapControllers();
            });
        }
```

3) Open launchSettings.json en pas de LaunchUrl aan in het Profile voor <u>IIS Express</u>:

```json
{
  "$schema": "http://json.schemastore.org/launchsettings.json",
  "iisSettings": {
    "windowsAuthentication": false,
    "anonymousAuthentication": true,
    "iisExpress": {
      "applicationUrl": "http://localhost:57380",
      "sslPort": 44330
    }
  },
  "profiles": {
    "IIS Express": {
      "commandName": "IISExpress",
      "launchBrowser": true,
      "launchUrl": "swagger",
      "environmentVariables": {
        "ASPNETCORE_ENVIRONMENT": "Development"
      }
    },
    "StudentSubjects": {
      "commandName": "Project",
      "launchBrowser": true,
      "launchUrl": "weatherforecast",
      "applicationUrl": "https://localhost:5001;http://localhost:5000",
      "environmentVariables": {
        "ASPNETCORE_ENVIRONMENT": "Development"
      }
    }
  }
}
```

4) Run je Web API met IIS Express en je krijgt het volgende scherm te zien :

Klik bv de Courses GET /api/courses open en op de button «Try it out »
Daarna op de button "Execute":

Onderaan vind je de Response body en status code (200)