# PROJECT GUIDE

# Tools needed to create the project.

1. Dotnet CLI

**Create new Solution using command** 🡪 dotnet new sln

It will create a solution file which will contain all the projects in this application.

**Create WebAPI** 🡪 dotnet new webapi -n API

Create Class Library for Application 🡪 dotnet new classlib -n Application

Create class Library for Domain 🡪 dotnet new classlib -n Domain

Create class Library for Persistance Layer 🡪 dotnet new classlib -n Persistance

# Add projects to a solution

Use command dotnet sln add <Name of project>

Adding API project 🡪 dotnet sln add API/API.csproj

Adding Application project 🡪 dotnet sln add Application

Adding Persistance Project 🡪 dotnet sln add Persistance

Adding Domain project 🡪 dotnet sln add Domain

# List all the projects in a solution

Command 🡪 dotnet sln list

# Adding dependency to other projects

Cd into the project in which dependency is to be added

**API project have denedency on Application Project**

Cmd 🡪 cd API

To add dependency 🡪 dotnet add reference ../Application

**Application project have dependency on Persistance project and Domain Project**

Cmd 🡪 cd Application

Cmd 🡪 dotnet add reference ../Persistance

Cmd 🡪 dotnet add reference ../Domain

Persistance project have dependeny upon domain project as well

Cmd 🡪 cd Persistance

Cmd 🡪 dotnet add reference ../Domain

# To run a project

PS S:\SoftwareDevelopment\Github\_repos\EventApp\API> **dotnet run**

Building...

info: Microsoft.Hosting.Lifetime[0]

Now listening on: http://localhost:5000

info: Microsoft.Hosting.Lifetime[0]

Application started. Press Ctrl+C to shut down.

info: Microsoft.Hosting.Lifetime[0]

Hosting environment: Development

info: Microsoft.Hosting.Lifetime[0]

Content root path: S:\SoftwareDevelopment\Github\_repos\EventApp\API

Alternative Command to run the project

Cmd🡪 dotnet watch run