This project is based on **Multilayer (n-tier) Approach**.

Because it is easy for testability , scalability and portability. By this we can follow **SOLID** principles. Every layer has its responsibility.

Used **Dependency Injection**, so that every object behaviour can be controlled by constructor injection. This also help us with each module can be **unit testable**.

Used Dotnet core, because I was not sure of which environment it is going to be run.

Control flow/ request flow.

Home controller -> IntervalDataManager.GetAll() -> IntervalDataRepository.GetAll() -> DataRepository.GetALL<T>()

Home controller -> ExcelExporter. ExportIntervalData(data) -> exporttoExcel(ExcelPackage p, List<IntervalDataDTO> intervalDataDTOs)