**Project Architecture:**

Repository pattern is used as the general architecture of the project, whereas there are five layers of abstraction. These layers are:

* The model layer: contains the database entities and the context, it uses entity framework code first to build the data.
* The Data Access Layer (DAL): contains the DatabaseFacotry that return the context of entity framework, the Repository that implement all the shared methods between all the entities (like get, add, delete), and finally the unit of work that makes sure all the repositories share the same context.
* Repository layer: contain each entity’s repository which contains methods related to these entities.
* Service Layer: it contains business logic and it mediates communication between the controller and repository layer
* API Layer: it is the aps.net app

Castle Windsor is used for dependency injection