**EntityMetadataWebAPI Doc**

This assignment is developed using **ASP.Net Core Web API**. It has got 3 layer

1. API Endpoint layer (**EntityMetadataWebAPI**)

This layer basically exposes the API endpoint i.e. GET (for **Reading configuration requirement**) and POST (for **Saving configuration requirement**). This layer also wraps the response data into **ResponseData<T>** object,whichis our generic response object.

1. Business Layer (**EntityMetadataBL**)

This layer holds the business logic which needs to be performed as per the requirement for both these end points i.e.

I. GET (for **Reading configuration requirement**)

**“System shall be able to get the data from two different sources and merge them. Once it's merged then join with the configuration that's available in the database (structure of the sample data given below). And finally return the object”**

II. POST (for **Saving configuration requirement**)

**“System shall be able to perform bulk insert/update operations. If a field specific entry is available then update that entry otherwise insert.”**

1. Data Layer (**EntityMetadataDL**)

This layer is responsible for communicating with database. Performing Read, Update and Insert operation as per the request.

**3rd Task:-** Describe how you can clean up the configured data that's already saved in the database if any fields are removed from source2 later time**.** System shall not need to maintain configuration if fields are not available in either of the sources.

**Approach:-** Considering we have 2 API end point (GET & POST), so in case of GET, where we are retrieving the fields configuration, as per the source fields, from database. We can delete the configuration of those fields which are not present in field list.