

EMS FULL STACK App-Requirement Project.

A Web API project SCHOOL Web API is created => DAL and BLL layer is created

DAL : Using the Entity Framework Code First approach Database connection is set to the new database respective connection string is added

DatabaseContext class: EmpManagementContext.cs is created and

Entity class: EmpProfile and DeptMaster

A new EmpManagementInitializer class is created to seed the database table with initial data

BLL:

The Business logic layer contains a helper class that directs the control to dal layer operations

helper an abstraction to DAL layer from Web API project necessary project dependencies and references were set.

Web API project:

Models: Employee and Department model class is created which has the same property as same as empprofiles and deptmaster without database component attributes. It is created to return class type data of local availability in the web API proj=>empcontroller and deptcontroller are created as web API controller

EmpController :created to perform Getallemployee , getemployeebyid, postemployee, putemployee, deleteemployee operations by API requests using helper class which in turn redirects to DAL and returns necessary results

DeptController: created to perform operations like retrieve all department, retrieve all department by ID, create new department, update and delete department using GET, POST, PUT,DELETE using helper class which in turn redirects to DAL and returns necessary results

Postman tool is used for API testing and values are recorded and checked for its correct functioning. Thus EMS app is created and tested.