**26\_NUnit\_Assignment-1\_210125\_Tamoghna\_Choudhury**

The WebApi Assignment is titled "Purchase Order Processing System(POPS)".

The back-end is a small database with four tables containing the details of suppliers, items and purchase orders.

The middle layer will be a Web API which performs the CRUD operations on the database.

Entity framework/Ado.net will be used to access the database.

The front-end is a MVC application which uses C# for server-side code, JavaScript, jQuery, Bootstrap and other JavaScript libraries for client-side code, and Razor as the view engine.

The project will also include a Unit Test project (use Nunit) to test all the functionalities.

Database:

CREATE DATABASE PODb

USE PODb

CREATE TABLE SUPPLIER (

SUPLNO CHAR(4) PRIMARY KEY,

SUPLNAME VARCHAR(15) NOT NULL,

SUPLADDR VARCHAR(40))

CREATE TABLE ITEM (

ITCODE CHAR(4) PRIMARY KEY,

ITDESC VARCHAR(15) NOT NULL,

ITRATE MONEY)

CREATE TABLE POMASTER (

PONO CHAR(4) PRIMARY KEY,

PODATE DATETIME,

SUPLNO CHAR(4) REFERENCES SUPPLIER(SUPLNO))

CREATE TABLE PODETAIL (

PONO CHAR(4)

REFERENCES POMASTER(PONO),

ITCODE CHAR (4) REFERENCES ITEM(ITCODE),

QTY INT,

CONSTRAINT POD\_PK PRIMARY KEY (PONO, ITCODE))

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| **Solution** |  |