**26 - NUNIT Assignment – 1**

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| 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.  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)) |
| **Source:**  **Added Interface in MVC client to help unit testing**        **Controllers:**              **Unit Test code: (MOQ framework is used)** |
| **Output:** |