**“ShopBridge” is a eCommerce application**

Author : Dnyanesh P Deolalikar

**ShopBridge.Database**

This project in solution will have all DB scripts related to Table, Stored Proc, Functions etc.

DB tables :

1. tbl\_Master\_Users

This is master table which will have user details.

1. tbl\_Master\_Role

This is master table for user roles.

1. tbl\_Master\_Item

This is master table for inventory which is to be added, updated, deleted in this table.

1. tbl\_Master\_Item\_Category

This is master table for inventory/item category. Let’s say items of Clothes, Grocery, Electronics goods etc.

1. tbl\_Master\_Page

This is master table for UI pages. Let’s say we have list page for Items where user can view grid with items and perform view/Add/Edit/Delete operations.

1. tbl\_Master\_Action

This is master table for actions that means View/Add/Update/Delete. These actions are associated with Page and User Role.

1. tbl\_Config\_Role\_User\_Map

This is config table, where user is mapped with particular role. Let’s say Admin, Customer, Supplier etc.

1. tbl\_Config\_Page\_Action\_Map

This is config table where actions are mapped with page. Let’s say my Item list page, where I want to show these actions - View/Add/Edit/Delete.

1. tbl\_Config\_Role\_Page\_Action\_Map

This is config table where page actions will be mapped with user role. Let’s say I want to show View/Edit actions to Customer so that will configured in this table.

1. tbl\_Log

This is table used to maintain system logs, it could be exceptions, info, execution steps etc.

**ShopBridge.Models**

This project in solution has model classes with properties to deals with DB tables and UI fields.

**ShopBridge.DataAccess**

This project in solution has method to deal with SQL database.

**ShopBridge.BusinessAccess**

This project in solution has business methods which will be invoked from API controller.

**ShopBridge.ApiServices**

This project in solution for Web API. It’s method will invoked from UI pages.

ItemController

This controller class has Get/Update/Delete methods to fulfill the request from client to server.

GetAllItems : To show list of items in a grid or list page.

UpdateItem : To update the item record by its primary ID.

DeleteItem : To delete an item by its primary ID.

**ShopBridge.Tests**

This project in solution for unit testing.