



## Inventory Management System

### Technologies

Admin Panel – Angular

APIs – C# .NET

Database - MSSQL

### Project Definition

An Angular admin panel, where admin user can log in and view the product inventory, customers, and sales.

### Overview

Admin panel contains the list of customers, available products, list of sales based on the products. Admin user can also manage the products stock, view sales report etc.

### Project Architecture

Admin panel contains the listed pages,

#### Login Page

Admin user cannot modify the records, access any page without login.

Keep login credentials static as of now.

Username: [Admin@user.com](mailto:Admin@user.com)

Password: Admin@12345

#### Dashboard

Route: base-url/dashboard

Contains the dashboard metrics in numbers as,

# of products are available currently.

# of orders placed today.

# of products having less than 10 Qty.

There will be one dropdown on top right header that contains the 'Logout' url and by clicking on that Admin user's session will be log out and redirected back to the login page.

### Customer List View

Route: base-url/customers

Contains the list of customers with edit and delete buttons in grid for each row.

By clicking on edit button, it will be redirected to the customer add form with auto populated details and user can update the details in that page.

It contains one "Add Customer" button on the top right.

### Customer Add/Edit

Route: base-url/customer/add (if add)

Route: base-url/customer/edit/customer-id(customer id will be encrypted)(in case of edit)

Admin user can add customer from this page.

Basic validations should be there.

Add/edit can be done on the same page.

In case of edit, customer details should be auto populated in form.

Admin user can search customer based on the customer name.

### Product List View

Route: base-url/products

Contains the list of products along with qty with edit and delete buttons in grid for each row.

By clicking on edit button, it will be redirected to the product add form with auto populated details and user can update the details in that page.

It contains one "Add Product" button on the top right.

### Product Add/Edit

Route: base-url/products/add (if add)

Route: base-url/products/edit/customer-id(customer id will be encrypted)(in case of edit)

Admin user can add Product details from this page.

Basic validations should be there.

Add/edit can be done on the same page.

In case of edit, product details should be auto populated in form.

Admin user can search product based on their name.

### Order List View

Route: base-url/orders

Grid contains the list of orders along with customer name, product name and order date.

Grid contains the pagination. For each get API, only 10 records should be return based on the page number.

Orders can be filtered based on the two date of range that is from date and to date.

Newly placed orders should be display first on grid.

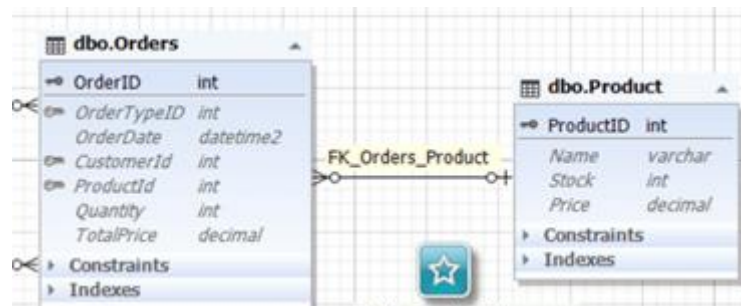
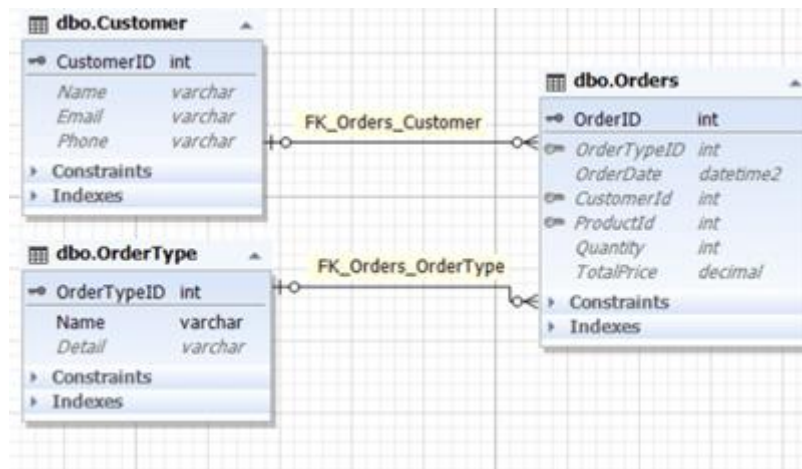
Orders can be sort by order date from grid.

Please refer to the below screenshot for more information.



OrderID
OrderType
OrderDate
Customer
Product
Quantity
TotalPrice

## Database Structure



Notes:

Each table contains the basic columns, i.e. Status, CreatedDate, UpdatedDate.