# ICT – Stage 2

# Generic Billing System

# ASP.NET MVC, EF Code First and NUnit Test

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**Project Overview**

This ICT Project contains development of web application to automate Generic Sales and billing application. Any retail shop can use this application in generic way and they can maintain Products information and can perform billing operations. The Retail outlet has to feed all the products information first before making bills.

**Initial Assumptions:**

To reduce the size of the application, there are no stock maintenance and purchase modules.

**Future Enhancements:**

As future enhancement we can update this project to support product purchasing and stock management modules as extra.

**Sample Use Case**

View Bill

History

View Cart

Create Bill

View Products

Remove Products

Add

Products

Update

Products

Products

Billing

**Home Controller**

Add Products

(Create)

List Products

(Read)

Remove Products

(Delete)

Remove Products

(Update)

**Home Controller**

**Products Controller**

**Billing Controller**

View Bill

(Read)

Create Bill

(Create)

**Billing Controller**

# Table: Products

|  |  |
| --- | --- |
| ProdCode | Integer |
| Name | Char(30) |
| UnitOfMeasure | Pcs / Litre / Grams / KGs. |
| Selling Price | Float |
| Product Status | Live / Removed |

# Table: BillingMain

|  |  |
| --- | --- |
| Bill Number | Integer |
| Date | Datetime |

# Table: Billing

|  |  |
| --- | --- |
| Bill Number | Integer |
| ProdCode | Integer |
| Quantity | Integer |
| Price | Float |

