Project Documentation on

# Online Super Market



# **Submitted To**

SYED ZAHIDUL HASSAN,

Project Consultant (.Net Framework),

Show & Tell Consulting Ltd.,

Lalmatia Housing Estate, Lalmatia, Dhaka

#### In fulfillment for the award

Of

# **IDB-BISEW IT Scholarship Project**

Enterprise Systems Analysis and Design- C# .NET (ESAD -

Batch ID: ESAD-CS/PNTL-M/R34/01

Round:34

Software Requirements Specification

Online Super Market

## Under the guidance of

Nishat Sharmeen Project Instructor (.Net Framework), **IDB-BISEW IT Scholarship Project** 

## **Submitted By**

Md. Rakibul Islam Biplob Id: 1238782 Mousumi Akter Id: 1238597 Rumana Afrose Id: 1225258 Tasnova Islam Khan Id: 1238473

## **ACKNOWLEDGEMENTS**

In completing this graduation project we have been fortunate to have help, support and encouragement from many people. We would like to acknowledge them for their cooperation.

Firstly, we would also like to thank **Nishat Sharmeen**, our project instructor, for guiding us through each and every step of the process with her knowledge and support. Thank should not be enough for her advice, guidance and assistance.

We would also like to thank Syed **Zahidul Hasan**, our project Consultant, for guiding us through each and every step of the process with knowledge and support.

Finally, we would like to thank **IDB-BISEW IT Scholarship Project Authority** to make opportunities for us to get a chance to join **Enterprise Systems Analysis** and **Design - C# .NET (ESAD-CS)** course and to give us a chance to choose an awesome project like Online Super Market.

IDB-BISEW

## **INTRODUCTION**

The objective of this project is to develop a general purpose e - commerce store where any kind of product can be bought from the comfort of home through the internet.

An online store is a virtual store on the Internet where customers can browse the catalog and select product of interest. The selected items are collected in a shopping cart. At checking out time, the item in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually the customer will be asked to fill or select a billing address, a shipping address and payment information. An email notifications is sent to the customer as soon as the order is placed.

Online Super Shop consists of task such as purchasing products, keeping record of sold and unsold products, receiving orders through online, giving user fully functional accessibility to UI.

## **User Role Based Authorization**

#### **Admin:**

- ❖ Authentication/Log In
- Marchant Entry/Search/Update/Delete

#### **Customer:**

- Register
- ❖ Authentication/Log In
- ❖ View Product list
- Search for Product
- ❖ Add Product to cart
- ❖ Order Product through online
- Purchase Product

## Every user should be:

- Comfortable of working with computer.
- ❖ He must have basic knowledge of English too.

#### **Constraints:**

- ❖ GUI is only in English.
- ❖ Login and password is used for identification of user and there facilities for guest user also.

## **Our Proposed System Has Several Advantages**

- User friendly interface
- ❖ Fast access to database
- **❖** More Storage Capacity
- Shopping cart
- Search facility

# **Scope of Work**

The purpose of any new technology is to make people life easier. In this project database is used to manage a shop and allows the administrators to buy new product and manage new product.

Online Super Market will provide all product support and proposed system will do the following tasks:

- ❖ Token based authentication is used for all kind of users like Customer and Admin.
- ❖ Insert customer information such as name, number, and address with all full details.
- ❖ Admin, customer has to register themselves to the only one system.
- Admin should add new merchant, delete, update, search product, merchant
- Admin can also add product details such as photo, calculate unit price, sell price using calculation.
- ❖ Customer can see list of product.
- Customer can add items to the shopping cart.
- ❖ After that customer can order the desired product list and purchase.

# **Technology Used**

## **Hardware and Software Requirements**

❖ Operating System: Windows 8.1

Processor: Pentium Duel Core or higher

\* RAM: 2GB or more

❖ Hard Drive: 20 GB or more

❖ ASP.NET MVC4 WebAPI

❖ AngularJS

AngularJS Base64

Entity Framework code first database modeling

Cors applied.

JavaScript

jQuery

❖ jQuery-UI

**❖** HTML5

**CSS3** 

Bootstrap

**❖** Bootstrap-Confirmation

❖ Asp.Net4.5

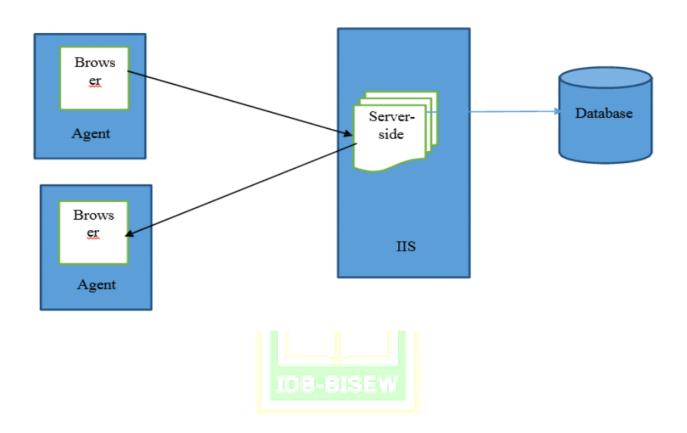
Microsoft Visual Studio 2017

• Visual Studio is a complete set of development tools for building ASP.NET Web applications, XML Web Services, desktop applications, and mobile applications. Visual Basic, Visual C#, and Visual C++ all use the same integrated development environment (IDE), which enables tool sharing and eases the creation of mixed-language solutions. In addition, these languages use the functionality of the .NET Framework, which provides access to key technologies that simplify the development of ASP.Net MVC applications and Web API Web Services.

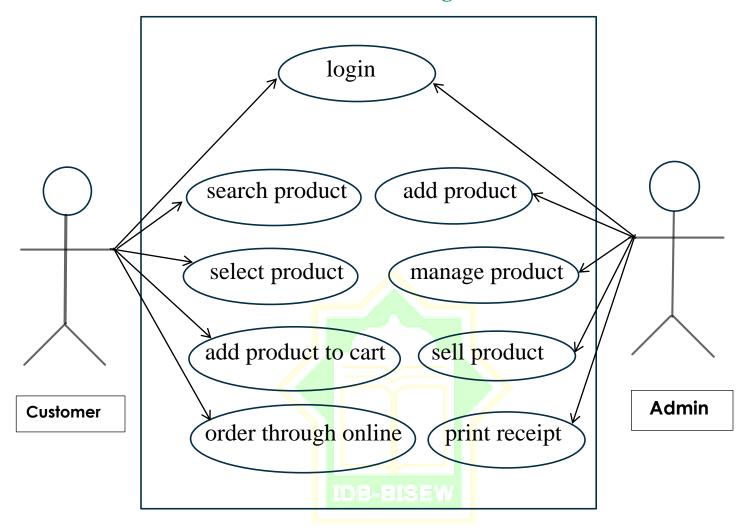
- Angular JS is driven by programs, which define a sequence of operations to be performed on data stored as tables. Although non-programmer graphical user interfaces to Angular JS exist, these GUIs are most often merely a front-end that automates or facilitates the generation of Angular JS programs. The functionalities of Angular JS components are intended to be accessed via application programming interfaces, in the form of statements and procedures.
- Microsoft SQL Server, also known as Microsoft Structured Query Language, is a database management system from Microsoft that combines the relational Microsoft Database Engine with a graphical user interface and software-development tools. It is a member of the Microsoft SQL suite of applications, included in the Professional and higher editions or sold separately.
- Microsoft SQL stores data in its own format based on the Access Jet Database Engine. It can also import or link directly to data stored in other applications and databases.
- Software developers and data architects can use Microsoft SQL to develop application software, and "power users" can use it to build software applications. Microsoft SQL is supported by Visual Basic for Applications, an object-oriented programming language that can reference a variety of objects including DAO (Data Access Objects), ActiveX Data Objects, and many other ActiveX components. Visual objects used in forms and reports expose their methods and properties in the VBA programming environment, and VBA code modules may declare and call Windows operating-system functions.

# **Proposed System**

• The proposed system will be web-based and will be processed by ASP.NET MVC WebAPI and hosted on IIS.



## **Data Flow Diagram**



## Conclusion:

Currently, there is some online payment gateway incorporated with this platform. So, companies which register into the system are not able to pay online; payment is done only via check and cash.

Further, the system runs only on Windows platform and is supported only in MS SQL Server database. These are some limitations in the proposed system that needs to be eradicated by introducing new features, sections or modules. As this online medicine shop project is somewhat flexible, required new features can be added as per the user requirements.

# Thank You

#### **Reference Books:**

- 1. Beginning Microsoft SQL Server 2012 Programming
- 2. Microsoft Visual C# 2013 Step by Step
- 3. Object-Oriented Systems Analysis and Design using UML, 3rd Edition
- 4. PROGRAMMING IN HTML5 WITH JAVASCRIPT AND CSS3
- 5. Beginning ASP.NET 4.5.1\_ in C# and VB
- 6. Beginning ASP.NET MVC 4 IDB
- 7. Exam.Ref.70 486.Developing.ASP.NET.MVC.4.Web.Applications
- 8. AngularJS\_using\_Parse.com
- 9. Developing Windows Azure and Web Services Exam.Ref.70-487

IDB-BISEW