



MAKHANLAL CHATURVEDI RASTRIYA PATRAKARITA
EVAM SANCHAR VISHWAVIDYALAY



Established by the Act No.15/1990 of Madhya Pradesh Legislature

Project Proposal No.:

(for office use only)

Enrolment No.:

Study Centre:

Regional Centre:....., **RC Code:**.....

E-mail:.....

Mobile/Tel No.:

1. Name and Address of the Student

2. Title of the Project

3. Name and Address of the Guide

4. Educational Qualification of the Guide

(Attach bio-data also)

Ph.D*

M.Tech.*

B.E*/B.Tech.*

MCA

M.Sc.*

☐
☐
☐
☐
☐

(*in Computer)

5. Working / Teaching experience of the Guide**

6. Software used in the Project

9. Is this your first submission?

Yes

☐

No

☐

Signature of the Student

Signature of the Guide

Date:

Date:

For Office Use Only

☐

Approved

☐

Not Approved

Name:.....

Signature, Stamp of the Project
Proposal Evaluator

Date:

Suggestions for reformulating the Project:



**AKHANLAL CHATURVEDI RASTRIYA PATRAKARITA
EVAM SANCHAR VISHWAVIDYALAY**

Established by the Act No.15/1990 of Madhya Pradesh Legislature

POINT OF SALE

By

AKASH KUMAR

Enrolment No: [AL147117012](#)

SHALINI KUMARI

Enrolment No: [AL147117009](#)

Under Guidance

Of

SUMIT KUMAR SRIVASTAVA

Submitted to the ***BHARAT MATA INSTITUTE OF INFORMATION***

TECHNOLOGY, BMIT

In partial fulfilment of the requirements

For the award of the degree

Bachelor of Computer Applications (BCA)

2016-2017

MAKHANLAL CHATURVEDI RASTRIYA PATRAKARITA

EVAM SANCHAR VISHWAVIDYALAY

Bhopal-462016

CERTIFICATE OF ORIGINALITY

This is to certify that the project report entitled _____
submitted to Makhanlal Chaturvedi National University of Journalism and Communication in
partial fulfilment of the requirement for the award of the degree of

BACHELOR OF COMPUTER APPLICATIONS (BCA), is

An authentic and original work carried out by Mr. /
Ms. _____

with enrolment no. _____ under my guidance.

The matter embodied in this project is genuine work done by the student and has not been
submitted whether to this University or to any other University / Institute for the fulfilment of
the requirements of any course of study.

.....

Signature of the Student:

.....

Signature of the Guide

Date:

Name and Address
Of the student

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.....
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.....

Date:

Name, Designation
and Address of the
Guide:

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.....
.....

Enrolment No.:



GUIDE BIO DATA

CURRICULUM-VITAE**Sumit Kumar Srivastava****Contact No. : 09838543714****E-mail: sumit.it.sri@gmail.com**

Objective : To join growing organization that offer challenges and the opportunity to grow with the company, where goals and objective are clearly established and the tools to rich such goals are provided.

**Academic Qualification:**

Sr. No.	Name of Exam.	Board/University	Subject	Year	%	Div.
1.	Graduation (B.Com.)	U.P. College, Varanasi	Commerce	2002	54%	Second
2.	Intermediate	U.P. Board	Commerce	1999	55%	Second
3.	High School	U.P. Board	Science	1997	59%	Second

Professional Qualification:

Sr. No.	Name of Exam.	Institute/University
1.	'A' Level	DOEACC SOCIETY (An autonomous body of Department of Information Technology , Govt. of India) New Delhi.
2.	PGDCST	ET&T Corporation Ltd. (Under the Department of Information Technology) Govt. of India, New Delhi.
3.	M.C.A.	Rajarshi Tandon Open University, Allahabad
4.	VB.Net	NIIT, Lahurabir, Varanasi

Experience :

- ❖ 3 Year worked as full time faculty in Basant Computer Centre (A Institute of DOEACC 'O' Level, 'A' Level, 'B' Level Courses & University Courses), Shanti Towar C7/285, Senpura, Chetganj, Varanasi.
- ❖ 2 year worked as a **Software Developer** in NEXTGEN TECHNOLOGIES, Near Central Jail, Subhadra Nagar Colony, Shivpur, Varanasi.
- ❖ 3 yrs 2 month worked as a **System Officer** in UPTEC Consultancy Ltd. (A Institute of DOEACC 'O' Level, 'A' Level' 'B' Level Courses & University Courses).
- ❖ 1 yrs Worked as Goyals Software Solution(p) Ltd. As Senior Developer And Software Trainer

- ❖ Currently Working as Managing Director And Team Leader in KieZen Soft Tech.

Area of Skills : Computer Fundamentals, Ms-windows, DOS, Ms-Office, C, C++, FoxPro, Java, Advance Java, Unix & Shell Programming, Data Communication & Networking, VB.Net, C#,ASP.Net, Visual Basic, Sql Server 2000-08, Oracle, Lisp, PHP (Mysql),SEO.

Plate form : Ms-Dos, Windows, UNIX, Linux.

Achievement :

- ❖ Obtained 'S' grade in DOEACC practical examination.
- ❖ Obtained 'A' grade in DOEACC project Evaluation in B.H.U..

Project Developed :

- ❖ Block Resource Centre (VB, Ms-Access).
- ❖ Automated Computer Soft (VB, Sql Server).
- ❖ Library Management (VB, Oracle).
- ❖ School Management (VB, Ms-Access).
- ❖ Mobile Shop (VB.Net, Ms-Access).
- ❖ Many More in C#, Sql Server and PHP(Mysql).

Strength: Honesty, Cool Headed, Hard Working.

Personal Details

Name	:	Sumit Kumar Srivastava
Father's Name	:	Shri M. L. Srivastava
Date of Birth	:	05. Aug.1984
Nationality	:	Indian
Marital Status	:	Married
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Contact No.	:	9565566662, 09838543714



Declaration:

I am Sumit Kumar Srivastava, hereby declare that all the above mentioned information are true to the best of my knowledge and that if any thing is found incorrect, suitable action can be taken against me.

Date :

Place :

(Sumit Kumar Srivastava)



POINT OF SALE



PREFACE

The project “POINT OF SALE” aims to make automation of sales and purchases products. It’s a combination of hardware and software programs used primarily by a business to processes sale and purchase by the merchant.

I am a student of computer science and during the BCA; I have learned many language, tools and software’s, so I can make any type of software with any amount of difficulties. The main aim behind the creation of the project is to apply all the knowledge that has been taught during BCA.

I have done the project in “ASP.Net using C#” along with “MS SQL Server 2008 & Web 2.0”, as per as ASP.Net is concerned it is friendly and one can give any type of user friendly facilities to the web application. The most important thing is that one can not only create its own database but also can create user and can give desire privileges.

The project “POINT OF SALE” is mainly divided into three different sections like for the candidate, company and administrator.



ACKNOWLEDGEMENT

I am Akash Kumar; a student of BCA expresses my sincere thanks to all who helped me in successfully completing the project "POINT OF SALE".

Thanks to my guide Mr. Sumit Kumar Srivastava for providing constant support, inspiration, encouragement and guidance with intellectual endeavor and benevolence. Also thanks to faculty members of MAKHANLAL CHATURVEDI RASTRIYA PATRAKARITA EVAM SANCHAR VISHWAVIDYALAY and their valuable suggestions and my overwhelming support while the manuscript was under preparation. It gives the great pleasure to present myself.

At last but not the least, I express my sincere thanks to my great loving parent who send me here for study and having faith in my idea and their great support for completion of the project.



INTRODUCTION

The point of sale (POS) or point of purchase (POP) is the time and place where a retail transaction is completed. At the point of sale, the merchant would calculate the amount owed by the customer and indicate the amount, and may prepare an invoice for the customer (which may be a cash register printout), and indicate the options for the customer to make payment. It is also the point at which a customer makes a payment to the merchant in exchange for goods or after provision of a service. After receiving payment, the merchant may issue a receipt for the transaction, which is usually printed, but is increasingly being dispensed with or sent electronically.

"POINT OF SALE" To calculate the amount owed by a customer, the merchant may use any of a variety of aids available, such as weighing scales, barcode scanners, and cash registers. To make a payment, payment terminals, touch screens, and a variety of other hardware and software options are available. Any registered user (employer/seeker) can perform one of the following activities-

Admin

- ✓ Category add
- ✓ Product details
- ✓ Update product
- ✓ Etc.

User

- ✓ Search for product
- ✓ Create invoice



- ✓ Record customers information
- ✓ Print invoice
- ✓ Etc.

So, I believe in that this portal is full solution of business problems & wasting of time in the manner of digital data information gathering over shop.



PROJECT OBJECTIVE

Main objective of “POINT OF SALE” is often referred to as the point of service because it is not just a point of sale but also a point of return or customer order. Additionally, current POS terminal software may include additional features to cater for different functionality, such as inventory management, CRM, financials, or warehousing.

“POINT OF SALE” with regards to databases, POS(Point Of Sale) systems are very demanding on their performance because of numerous submissions and retrievals of data - required for correct sequencing the receipt number, checking up on various discounts, membership, calculating subtotal, so forth - just to process a single sale transaction. The immediacy required of the system on the sale window such as may be observed at a checkout counter in a supermarket also cannot be compromised.

“POINT OF SALE” has been designed to make the process of business much easier. Last but not the least, “POINT OF SALE” has been designed to successfully create and deploy a web-application using ASP.Net.



PROJECT CATEGORY TOOLS /PLATFORM, LANGUAGE

PROJECT CATEGORY, TOOLS/PLATFORM & LANGUAGE**RDBMS (Relational Database Management System)**

Organizations need management information system to give them a competitive strength. The need is to handle online operations mission control applications and exercise optimum operation and management control. The need demands a tool to effectively handle both transaction processing and the decision processing requirements. It also requires the capability of dealing with hundreds of users who are using and updating a large database. The need further demands the use of multiple databases residing on the hardware platforms situated at different locations. RDBMS allow online maintenance, rapid recovery and software based fault tolerance.

JUSTIFICATION**GUI:**

G.U.I. (Graphical User Interface) is much easier and convenient method for interaction with computers, compared to command (Writing long character sequences) based system.

ASP.NET

ASP is a powerful tool for making dynamic and interactive Web pages. In our ASP tutorial you will learn about ASP, and how to execute scripts on your



server. An ASP file can contain text, HTML tags and scripts. Scripts in an ASP file are executed on the server.

ASP (Active Server Pages) is a Microsoft Technology that runs inside IIS (Internet Information Services) comes as a free component with Windows 2000 also a part of the Windows NT 4.0 Option Pack can be downloaded from Microsoft. PWS is a smaller - but fully functional - version of IIS and it can be found on your Windows 95/98 CD.

ASP Compatibility to run IIS you must have Windows NT 4.0 or later. To run PWS you must have Windows 95 or later. ChiliASP is a technology that runs ASP without Windows OS. InstantASP is another technology that runs ASP without Windows. An ASP File is just the same as an HTML file can contain text, HTML, XML, and scripts in an ASP file are executed on the server has the file extension ".asp". ASP Differ from HTML when a browser requests an HTML file, the server returns the file. When a browser requests an ASP file, IIS passes the request to the ASP engine. The ASP engine reads the ASP file, line by line, and executes the scripts in the file. Finally, the ASP file is returned to the browser as plain HTML.

ASP can do dynamically edit, change, or add any content of a Web page Respond to user queries or data submitted from HTML forms. Access any data or databases and return the results to a browser

Customize a Web page to make it more useful for individual users The advantages of using ASP instead of CGI and Perl, are those of simplicity and speed Provide security - since ASP code cannot be viewed from the browser. Clever ASP programming can minimize the network traffic.

C#



C#(pronounced see sharp) is a multi-paradigm programming language encompassing strong typing, imperative, declarative, functional, generic, object-oriented (class-based), and component-oriented programming disciplines. It was developed by Microsoft within its .NET initiative and later approved as a standard by Ecma (ECMA-334) and ISO (ISO/IEC 23270:2006). C# is one of the programming languages designed for the Common Language Infrastructure. C# is intended to be a simple, modern, general-purpose, object-oriented programming language.[6] Its development team is led by Anders Hejlsberg. The most recent version is C# 5.0, which was released on August 15, 2012.

MSSQL SERVER 2008

Using SQL one can create and maintain data manipulation objects such as table views sequence. These data manipulation objects will be created and stored on server's hard disk in a table space to which the user has been assigned. Once these data manipulation objects are created they are used extensively in commercial application. Using DML DCL DDL data manipulation language, data control language, data definition language. Hence once access to the SQL tool is available and SQL syntax is known, the creation of data within the storage system required by commercial application is possible.

WEB 2.0

A Web 2.0 site may allow users to interact and collaborate with each other in a social media dialogue as creators of user-generated content in a virtual community, in contrast to websites where people are limited to the passive viewing of content. Examples of Web 2.0 include social networking sites,



blogs, wikis, video sharing sites, hosted services, web applications, mashups and folksonomies. Whether Web 2.0 is substantively different from prior web technologies has been challenged by World Wide Web inventor Tim Berners-Lee, who describes the term as jargon. His original vision of the Web was "a collaborative medium, a place where we [could] all meet and read and write".

WINDOWS (XP OR LATER VERSIONS)

Windows designed their operating systems to be more powerful and easy to use.

1. EASIER TO USE:

With Windows OS, you have faster access to information, and you are able to accomplish tasks more quickly and easily.

- ✓ Work with files.
- ✓ Find information.
- ✓ Personalize your computing environment.
- ✓ Work on the Web. Work remotely.

2. EASIER TO MANAGE:

You and your network administrators can work more efficiently now, because many of the most common computer-management tasks are automated and streamlined with Windows all versions will be easier to:

- ✓ Set up.
- ✓ Administer.
- ✓ Supports



REQUIREMENTS

CLIENT SIDE-

1. Web Browser (i.e. Internet Explorer, Mozilla Firefox, Opera, Google Chrome or others...).
2. Any Operating System

SERVER SIDE-

1. Hardware (Minimum)
 - ✓ 512 MB RAM
 - ✓ P-4 or Higher Processor
 - ✓ Mouse
 - ✓ Keyboard
 - ✓ Printer
 - ✓ Monitor
 - ✓ 20 GB HDD Space
 - ✓ Internet connection
2. Software
 - ✓ Web Browser (i.e. Internet Explorer, Mozilla Firefox, Opera, Google Chrome or others...)
 - ✓ Any Operating System

FUNCTIONAL REQUIREMENT FOR ADMIN

SIGNUP:

- A new seller seeker will have to go through a simple three step registration process which include a unique CV upload process
- An employer can register pretty easily in a single registration process.



- Both type of users i.e. employers as well as enjoy the facilities of “BRAND OF OUTSIDERS”.

LOGIN

A user has to login to the site using his unique ID & password.

SELL PRODUCT

A job-seeker can search for the jobs and then get the details for the employer.

CREATE REGISTRATION

The site provides the job-seeker with a preformatted registration as well as CV which can be viewed or downloaded.

FUNCTIONAL REQUIREMENT FOR EMPLOYERS**LOGIN**

An employer has to login to the site using his unique ID & password.

SEARCH PRODUCT

An employer can search for perspective product and can get the details for the product as well as sell the product.

ADD PRODUCT

An employer can add the new product buying.

DELETE PRODUCT

An employer should be able to delete the product.



FEASIBILITY STUDY

Conduct the feasibility study in order to check out whether the website “POINT OF SALE” is feasible or not. During this phase, I check out for -

ECONOMIC FEASIBILITY

In this study, I concern for the broad range of factors that include cost-benefit analysis, long term corporate income strategies, impact on other centers, cost of resources needed for development and potential Centre growth.

TECHNICAL FEASIBILITY

During the study of this feasibility, I take care of the development risk, resource availability and technology of the organization and any improvement if needed for the proper implementation.

LEGAL FEASIBILITY

During this feasibility study, I take care of the originality of the project and many other type of the legal feasibility like infringement, liability etc. According to me this is one of the important steps in the development of the any site.

OPERATIONAL FEASIBILITY

During this phase, I take the concern of the organization about the bearing of any cost that should be incurred during the execution of the site.



COST ESTIMATION OF THE PROJECT

HARDWARE	
ITEMS	COST
Intel Motherboard (DG31PR) + Processor (Core 2 Duo)	10000
LED Monitor (LG 18')	7000
Hard disk	3800
Cabinet with SMPS (iball)	2000
Multimedia Keyboard & Mouse	500
Data Card (Micromax)	1700
UPS (Microtec 600VA)	1900
Printer (HP Deskjet 3325)	2900
Total PC Cost	27190
SOFTWARE	
INSTALLATION SOFTWARE	CHARGE
MS-Windows OS (Windows 7 Ultimate)	500
MS-Visual Studio 2008	400
MS SQL Server 2008	200
Total	1100
OPERATIONAL COST	
ITEM	COST
Cartridge (One Set Per Month)	700
Paper (Minimum 500 X 4 Sheets)	300
Total	1000
MAINTENANCE	
Maintenance Cost Per Month on PC (Excluding any accessories, if required)	1200
Total	1200
INTERNET	
ITEMS	COST
SIM (DOCOMO) One Time	100
Net Pack (Minimum) Per Month	98
Total	198
TOTAL ONE TIME COST	
ITEMS	COST
PC	27190
Installation	1100
Total	28290
TOTAL PER MONTH COST	

ITEMS	COST
Operational cost	1000
Maintenance	1200
Internet Charge	98
Total	2298



MENU FOR GUI INTERFACE

USER

- Search Product
- Add Quantity
- Add Invoice
- Customer Details
 - Save
- Print Invoice
- Logout

ADMINISTRATOR

- Add Category
 - Update Category
 - Delete Category
- Product Details
 - Update Product
 - Delete Product
- Logout



MODULES DESCRIPTION

(Home, Category, Product, Order, Invoice, Print and Login / Logout)

HOME

- Visit the first page of Brand of outsiders.
- Add Category menu
- Product menu
- Product update delete
- Logout

USER

- Search product
- Customer details
- Print invoice
- Logout



ANALYSIS

SAP for Retail

- ✓ Price and Promotion optimization
- ✓ Demand Forecasting
- ✓ Product Affinity Metrics analysis
- ✓ Loss Prevention
- ✓ Merchandise and Assortment Planning
- ✓ Point of Sale analysis

Getting Started with Analytics for SAP for Retail

- ✓ Retail BI Content Documentation - The Retail BI Content is delivered as an add-on to SAP BI. The content is a preconfigured set of role and task-related information models that are based on consistent metadata in SAP Business Intelligence:
- ✓ That it can be used within Retail without the need to modify it.
- ✓ That it can be adapted so that you can work with it to any degree of detail.
- ✓ To serve as a template or as an example for customer-defined BI Retail.
- ✓ **Enabling** collaborative business networks. The SAP Business Objects portfolio supports the efficient flow of information throughout a company's ecosystem.
- ✓ **Empowering** business insight into any data source. The SAP Business Objects portfolio helps companies make more effective decisions based on a broader array of data sources from both inside and outside the enterprise

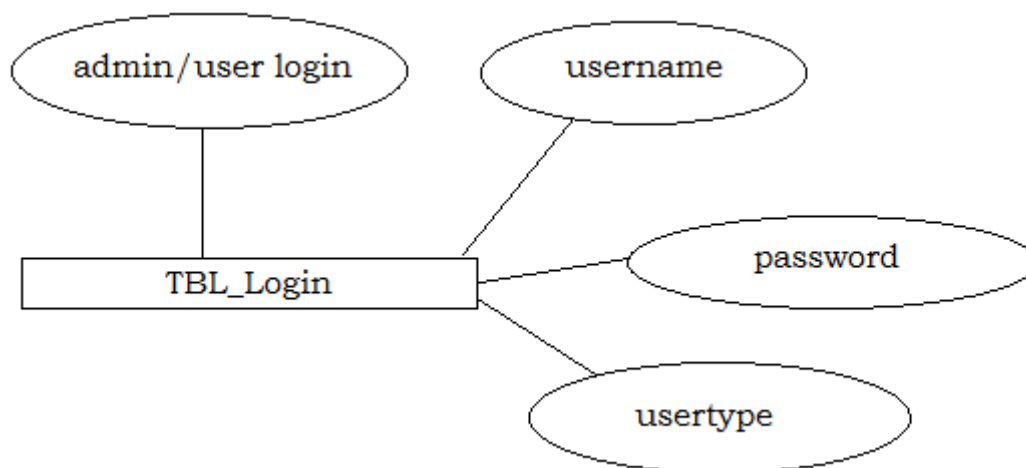
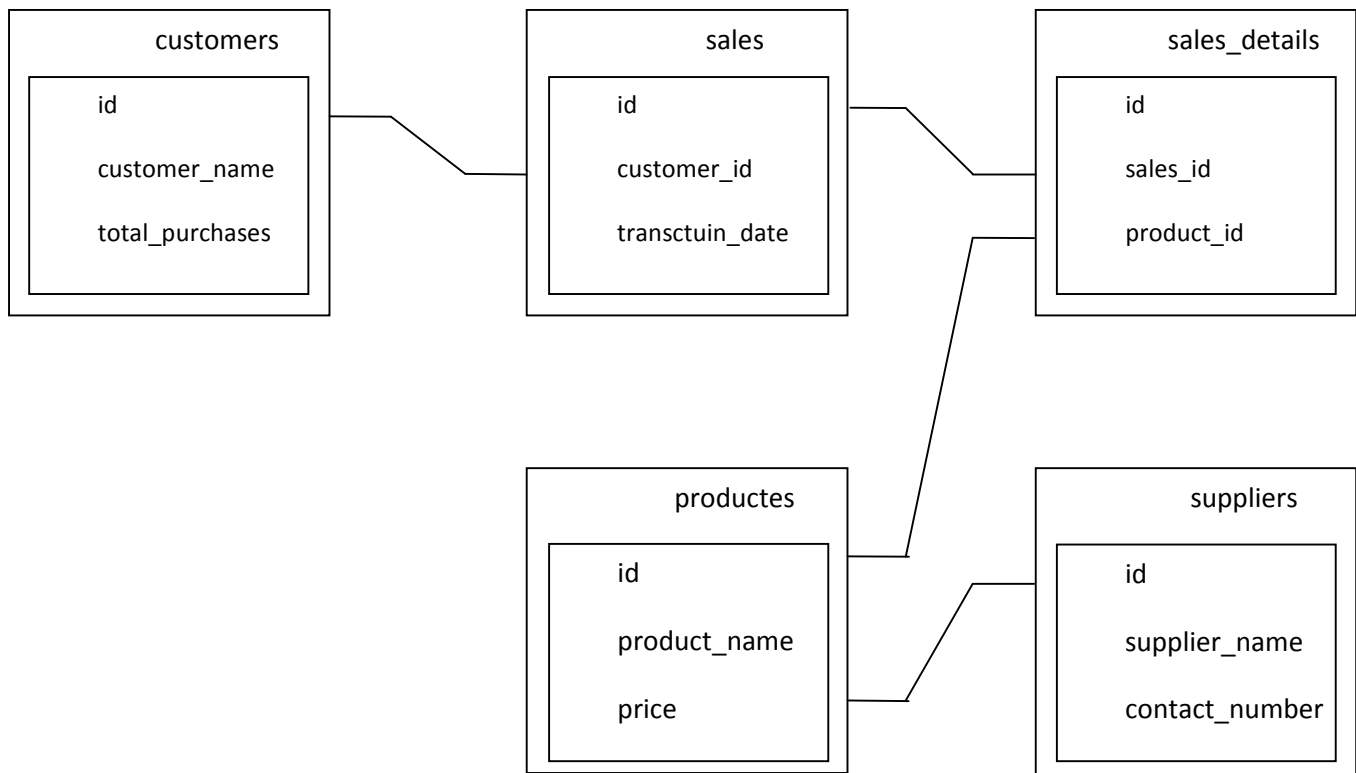


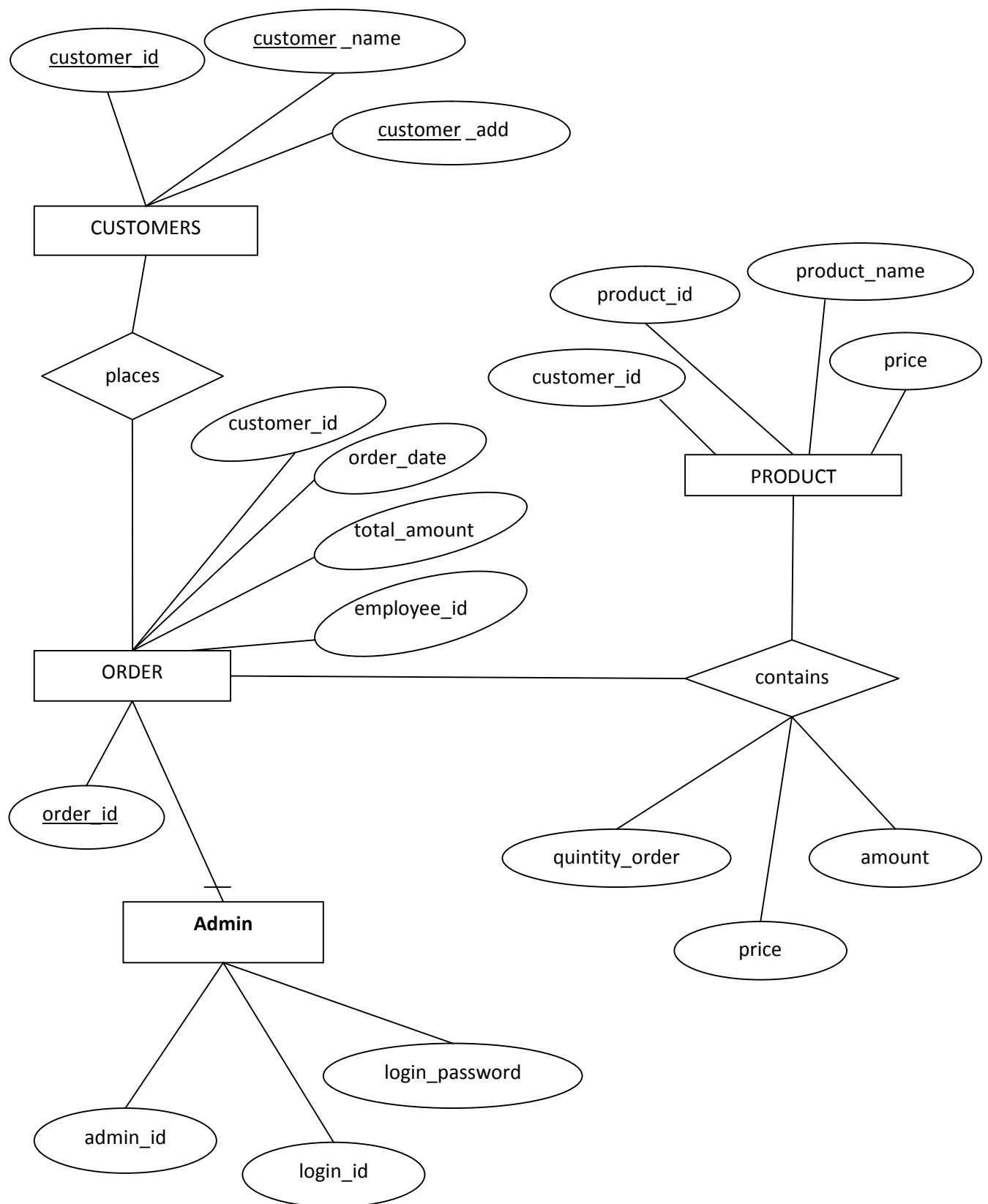
and from structured and unstructured sources, thus enabling prompt and appropriate corporate response.

- ✓ **Enabling** people to work as teams in a way that reflects how they really work. The SAP Business Objects portfolio provides business users tools and applications that handle the information needed within the business context teams work in, enhancing collaboration and decision making within groups and across work units.

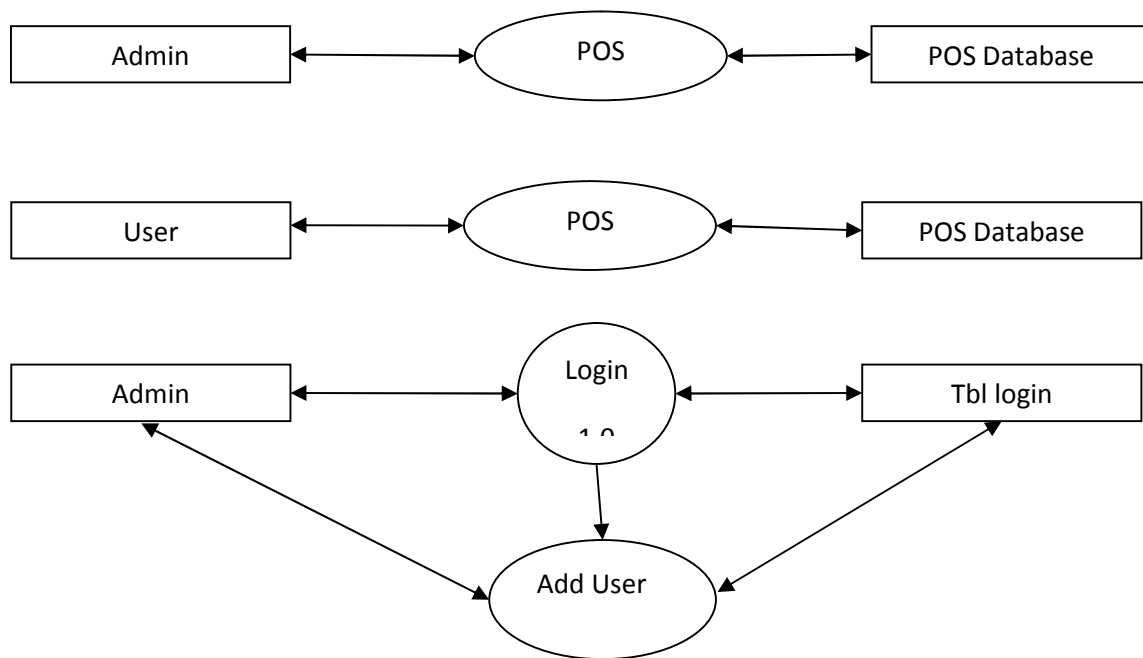


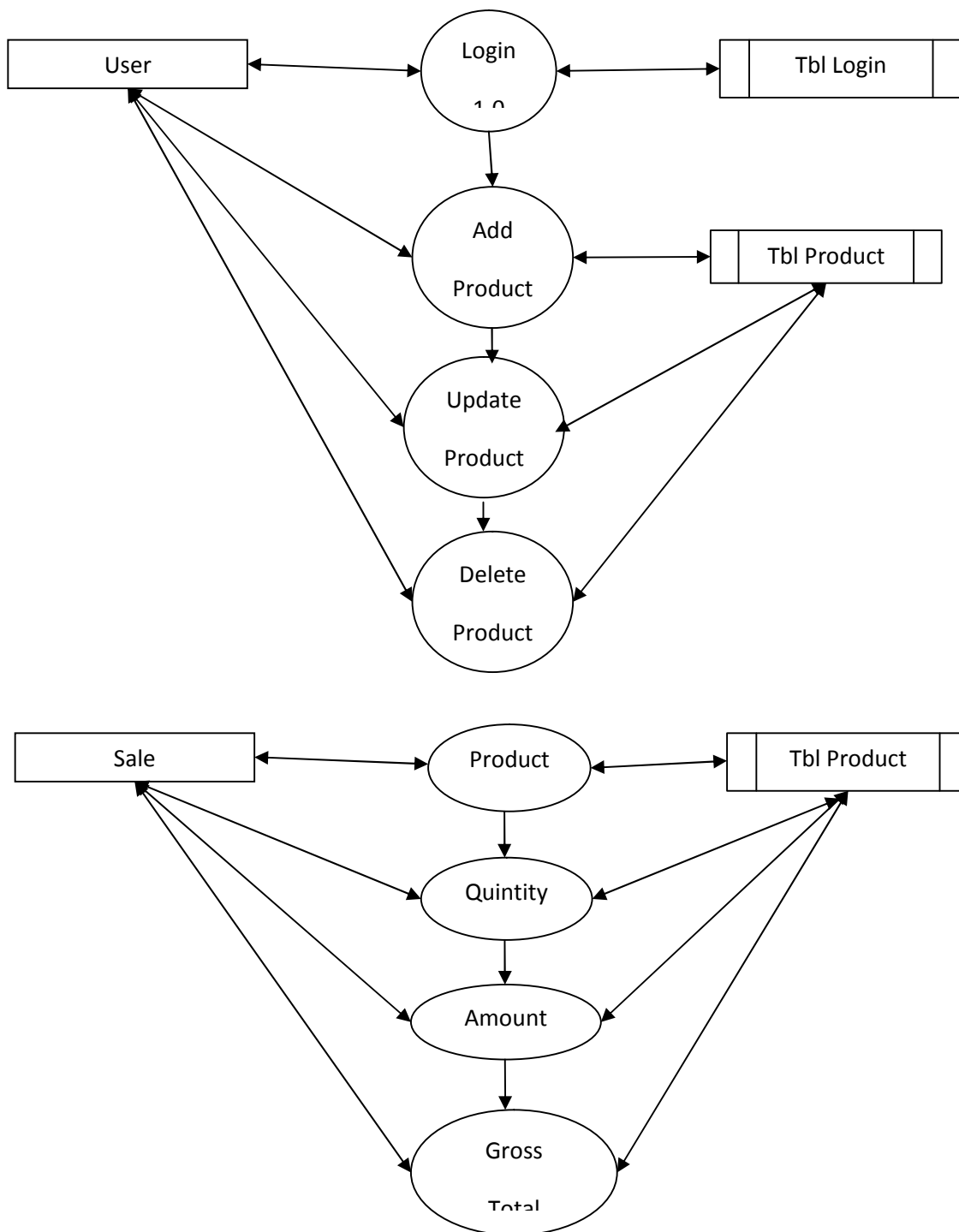
ENTITY AND THEIR ATTRIBUTE





DFD's





SRS

INTRODUCTION

PURPOSE:

The main purpose for preparing this document is to give a general insight into the analysis and requirements of the existing system or situation and for determining the operating characteristics of the system.

SCOPE:

This Document plays a vital role in the development life cycle (SDLC) and it describes the complete requirement of the system. It is meant for use by the developers and will be the basic during testing phase. Any changes made to the requirements in the future will have to go through formal change approval process.

DEVELOPERS RESPONSIBILITIES OVERVIEW:

The developer is responsible for:

- Developing the system, which meets the SRS and solving all the requirements of the system?
- Demonstrating the system and installing the system at client's location after the acceptance testing is successful.
- Submitting the required user manual describing the system interfaces to work on it and also the documents of the system.
- Conducting any user training that might be needed for using the system.
- Maintaining the system for a period of one year after installation.



FUNCTIONAL REQUIREMENTS

OUTPUT DESIGN

Outputs from computer systems are required primarily to communicate the results of processing to users. They are also used to provide a permanent copy of the results for later consultation. The various types of outputs in general are:

- External Outputs, whose destination is outside the organization,.
- Internal Outputs whose destination is within organization and they are the
- User's main interface with the computer.
- Operational outputs whose use is purely with in the computer department.
- Interface outputs, which involve the user in communicating directly with

OUTPUT DEFINITION

The outputs should be defined in terms of the following points:

- Type of the output
- Content of the output
- Format of the output
- Location of the output
- Frequency of the output
- Volume of the output
- Sequence of the output

It is not always desirable to print or display data as it is held on a computer. It should be decided as which form of the output is the most suitable.

For Example

- Will decimal points need to be inserted
- Should leading zeros be suppressed.



Output Media:

In the next stage it is to be decided that which medium is the most appropriate for the output. The main considerations when deciding about the output media are:

- The suitability for the device to the particular application.
- The need for a hard copy.
- The response time required.
- The location of the users
- The software and hardware available.

Keeping in view the above description the project is to have outputs mainly coming under the category of internal outputs. The main outputs desired according to the requirement specification are:

The outputs were needed to be generated as a hot copy and as well as queries to be viewed on the screen. Keeping in view these outputs, the format for the output is taken from the outputs, which are currently being obtained after manual processing. The standard printer is to be used as output media for hard copies.

INPUT DESIGN

Input design is a part of overall system design. The main objective during the input design is as given below:

- To produce a cost-effective method of input.
- To achieve the highest possible level of accuracy.
- To ensure that the input is acceptable and understood by the user.

INPUT STAGES:

The main input stages can be listed as below:



- Data recording
- Data transcription
- Data conversion
- Data verification
- Data control
- Data transmission
- Data validation
- Data correction

INPUT TYPES:

It is necessary to determine the various types of inputs. Inputs can be categorized as follows:

- External inputs, which are prime inputs for the system.
- Internal inputs, which are user communications with the system.
- Operational, which are computer department's communications to the system?
- Interactive, which are inputs entered during a dialogue.

INPUT MEDIA:

At this stage choice has to be made about the input media. To conclude about the input media consideration has to be given to;

- Type of input
- Flexibility of format
- Speed
- Accuracy
- Verification methods
- Rejection rates
- Ease of correction



- Storage and handling requirements
- Security
- Easy to use
- Portability

Keeping in view the above description of the input types and input media, it can be said that most of the inputs are of the form of internal and interactive. As Input data is to be the directly keyed in by the user, the keyboard can be considered to be the most suitable input device.

ERROR AVOIDANCE

At this stage care is to be taken to ensure that input data remains accurate from the stage at which it is recorded up to the stage in which the data is accepted by the system. This can be achieved only by means of careful control each time the data is handled.

ERROR DETECTION

Even though every effort is made to avoid the occurrence of errors, still a small proportion of errors are always likely to occur, these types of errors can be discovered by using validations to check the input data.

DATA VALIDATION

Procedures are designed to detect errors in data at a lower level of detail. Data validations have been included in the system in almost every area where there is a possibility for the user to commit errors. The system will not accept invalid data. Whenever an invalid data is keyed in, the system immediately prompts the user and the user has to again key in the data and the system will accept the data only if the data is correct. Validations have been included where necessary. The system is designed to be a user friendly one. In other words the system has been designed to communicate effectively with the user.



USER INTERFACE DESIGN

It is essential to consult the system users and discuss their needs while designing the user interface:

USER INTERFACE SYSTEMS CAN BE BROADLY CLASIFIED AS:

1. User initiated interface the user is in charge, controlling the progress of the user/computer dialogue. In the computer-initiated interface, the computer selects the next stage in the interaction.
2. Computer initiated interfaces

In the computer initiated interfaces the computer guides the progress of the user/computer dialogue. Information is displayed and the user response of the computer takes action or displays further information.

USER_INITIATED INTERGFACES

User initiated interfaces fall into two approximate classes:

1. Command driven interfaces: In this type of interface the user inputs commands or queries which are interpreted by the computer.
2. Forms oriented interface: The user calls up an image of the form to his/her screen and fills in the form. The forms oriented interface is chosen because it is the best choice.

COMPUTER-INITIATED INTERFACES

The following computer – initiated interfaces were used:

1. The menu system for the user is presented with a list of alternatives and the user chooses one; of alternatives.
2. Questions – answer type dialog system where the computer asks question and takes action based on the basis of the users reply.

Right from the start the system is going to be menu driven, the opening menu displays the available options. Choosing one option gives another popup menu



with more options. In this way every option leads the users to data entry form where the user can key in the data.

ERROR MESSAGE DESIGN:

The design of error messages is an important part of the user interface design. As user is bound to commit some errors or other while designing a system the system should be designed to be helpful by providing the user with information regarding the error he/she has committed. This application must be able to produce output at different modules for different inputs.

PERFORMANCE REQUIREMENTS

Performance is measured in terms of the output provided by the application.

Requirement specification plays an important part in the analysis of a system. Only when the requirement specifications are properly given, it is possible to design a system, which will fit into required environment. It rests largely in the part of the users of the existing system to give the requirement specifications because they are the people who finally use the system. This is because the requirements have to be known during the initial stages so that the system can be designed according to those requirements. It is very difficult to change the system once it has been designed and on the other hand designing a system, which does not cater to the requirements of the user, is of no use.

The requirement specification for any system can be broadly stated as given below:

- The system should be able to interface with the existing system
- The system should be accurate
- The system should be better than the existing system

The existing system is completely dependent on the user to perform all the duties.



DATABASE FORMAT

TBL CATEGORY

FIELD	TYPE/SIZE	CONSTRAINTS/DESCRIPTION
category_id	varchar(20)	Not Null / Primary key
category_name	varchar(30)	Not Null
category_type	varchar(30)	Not Null

TBL CUSTOMERS

FIELD	TYPE/SIZE	CONSTRAINTS/DESCRIPTION
customer_id	varchar(50)	Not Null / Primary key
customer_name	varchar(50)	Not Null
email_id	varchar(80)	Not Null
Mobile	varchar(50)	Not Null
Address	varchar(150)	Not Null

TBL CMP LOGIN

FIELD	TYPE/SIZE	CONSTRAINTS/DESCRIPTION
Username	varchar(50)	Not Null / Primary key
Password	varchar(50)	Not Null
Usertype	varchar(50)	Not Null



TBL ORDERED

FIELD	TYPE/SIZE	CONSTRAINTS/DESCRIPTION
ordered_id	varchar(30)	Not Null
customer_id	varchar(30)	Not Null
product_id	varchar(30)	Not Null
category_id	varchar(20)	Not Null
product_name	varchar(30)	Not Null
Brand	varchar(30)	Not Null
sale_price	int	Not Null
Discount	int)	Not Null
Quantity	int	Not Null
Total	int	Not Null
Date	datetime	Not Null

TBL PRODUCT

FIELD	TYPE/SIZE	CONSTRAINTS/DESCRIPTION
product_id	varchar(30)	Not Null / Primary key
product_name	varchar(30)	Not Null
category_id	varchar(20)	Not Null
Brand	varchar(30)	Not Null
cost_price	int	Not Null
sale_price	int	Not Null
Discount	int	Not Null



DATA DICTIONARY

FIELD IN THE FORM	FIELD IN THE TABLE	DATA TYPE/SIZE
USER / ADMIN LOGIN FORM		
Username	username	varchar(50)
Password	password	varchar(50)
Usertype	usertype	varchar(50)
CUSTOMERS DETAILS FORM		
Customer Name	customer_name	varchar(50)
Email-Id	email_id	varchar(80)
Mobile No.	mobile	varchar(50)
Address	address	varchar(150)
ADD CATEGORY FORM		
Category Id	category_id	varchar(20)
Category Name	category_name	varchar(30)
Category Type	category_type	varchar(30)
PRODUCT DETAILS FORM		
Product Id	product_id	varchar(30)
Product Name	product_name	varchar(30)
Category Type	category_id	varchar(20)
Category Name	category_id	varchar(20)
Brand	brand	varchar(30)
Cost Price	cost_price	int
Sale Price	sale_price	int
Discount	discount	int

INPUT DESIGN

The design of input play very significant role in getting the correct output. It covers all phases of input from creation of initial data to actual entering the data to the system for processing. The input design is the link that ties the information system into the world of the users. The design of the system based on the fact what type of the system it is.

While designing the various input screen in this project, I take care of the following factors.

They are:

Controlling amount of input

- Avoiding delay
- Avoiding errors in data
- Avoiding extra steps
- Keeping the process simple

Before designing the input form, I should care of the following question so that I can optimize the inputted data.

- What input is needed?
- How and where is the input created?
- How should the source documents be designed?
- What format should be used for the input records?
- What medium should be used for recording the input?

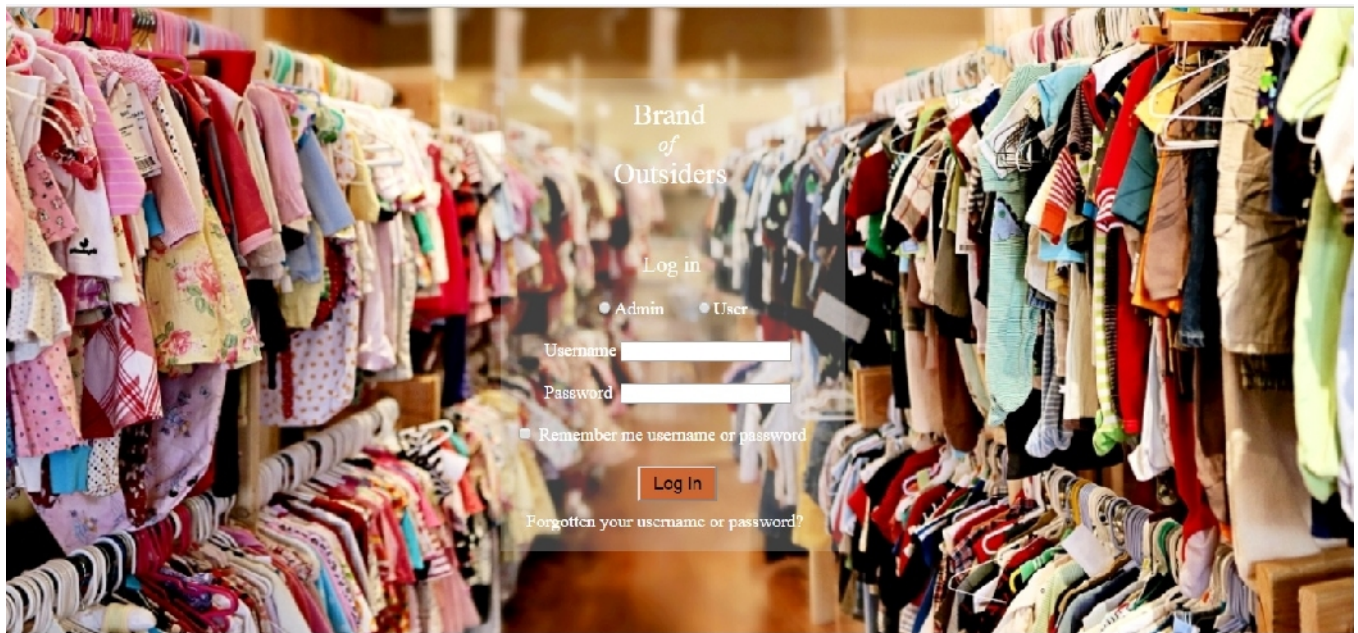


MAJOR CONCERNS REGARDING – INPUT SCREEN DESIGN

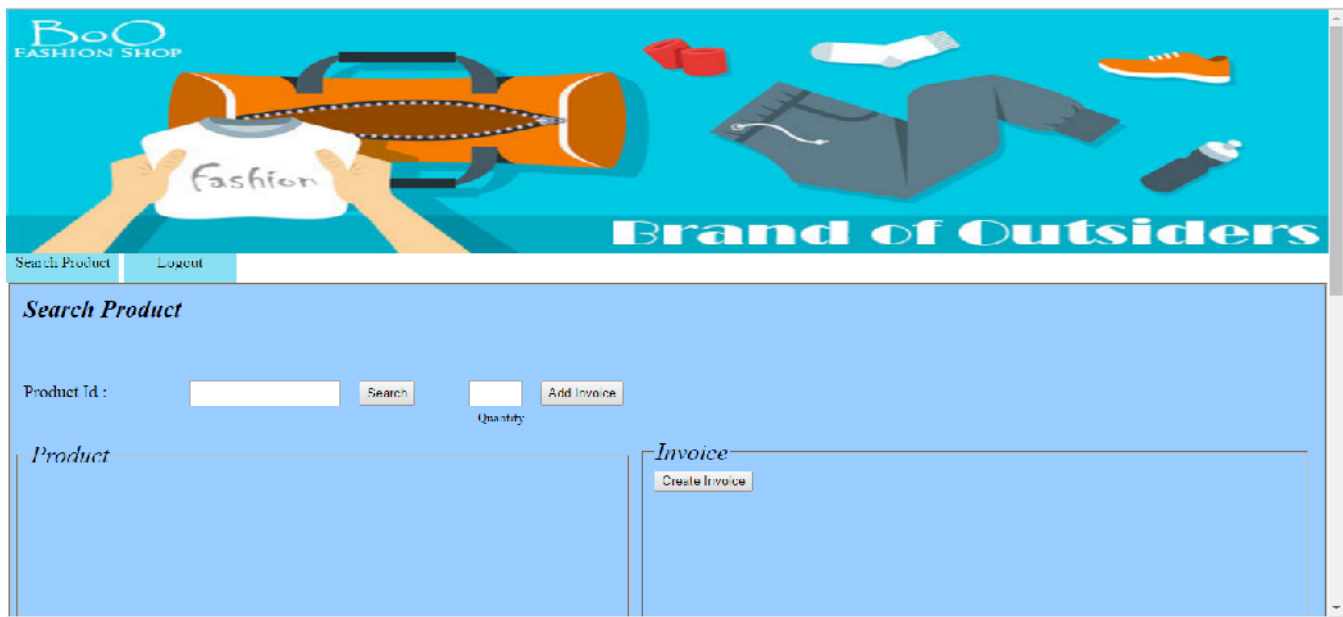
Major concern regarding the input screen design that I have adopted is as follow:

- Ease to use
- Improved processing speed
- Menu driven screens
- Emphasizing information on display screens
- Colour use in screen design
- Colour selection
- Editing through display screen
- Compact form
- Easy readability











BoO FASHION SHOP

Brand of Outsiders

Search Product Logout

Customers details

Customer Id :

Customer Name :

Email-Id :

Mobile No. :

Address :

Customer Id	Customer Name	Email-Id	Mobile No.	Address
Edit Delete C00175561	abc	abc@gmail.com	1234567	mga
Edit Delete C00237429	Prabhat Kumar	prabhat@gmail.com	2626262	VNS
Edit Delete C00279921	Sunil Bhuiya	sunil@gmail.com	8956253568	Vns
Edit Delete C00424310	Muma	muma@gmail.com	565765	MGS
Edit Delete C00574669	Sunil Kumar	sunilkuma656@gmail.com	8545988015	Ali Nagar Moghalehak Mughalsara Chandauli,

Search Product Logout **Brand of Outsiders**

Invoice Print

Brand Of Outsiders

Ordered Id : C00572971
 Customer Name : abc
 Email Id : abc@gmail.com
 Mobile NO. : 1234567
 Address : mga

Ordered Id	Customer Id	Product Id	Category Id	Product Name	Brand	Sale Price	Discount	Quantity	Total
C00175564	C00175564	MEN	Cloths	Tee	Lee	150	350	10	12
C00572971	C00572971	MEN	Cloths	Tee	Lee	150	350	10	2
C00572971	C00572971	MEN	Cloths	Tee	Lee	150	350	10	2

Search Product Logout **Brand of Outsiders**

Invoice Print

Ordered Id : C00572971
 Customer Name : abc
 Email Id : abc@gmail.com
 Mobile NO. : 1234567
 Address : mga

Invoice - Google Chrome

Print

Total: 1 page

Save Cancel

Destination ☐ Save as PDF

Change...

Pages ☒ All

☐ e.g. 1-5, 8, 11-13

Layout

+ More settings

Brand Of Outsiders
 Ordered Id : C00572971
 Customer Name : abc
 Email Id : abc@gmail.com
 Mobile NO. : 1234567
 Address : mga

Ordered Id	Customer Id	Product Id	Category Id	Product Name	Brand	Sale Price	Discount	Quantity	Total
C00175564	C00175564	MEN	Cloths	Tee	Lee	150	350	10	12
C00572971	C00572971	MEN	Cloths	Tee	Lee	150	350	10	2
C00572971	C00572971	MEN	Cloths	Tee	Lee	150	350	10	2

OUTPUT DESIGN

Outputs of a system can take different forms. The most common are reports, displays on screen, printed forms etc. The outputs also vary in terms of their contents, type of stationary used, frequency and timing etc. Also one of the important things is that who is going to use that output. All these things should be kept in mind so that the system meets the desired requirement.

During the project, I specially take care of the application output. I mainly concerned with the fulfilment of the following objectives:

- The output required by the management for the purpose of decision-making.
- Output required for the functional objective meeting i.e., fees receipt, IC, Library card etc.
- The outputs required by the organization for various purposes which mainly are in the form of report.

In this project, the most common output device that I use is:

- Monitor
- Printer

The rules that I kept in mind while designing the report are:

- The design must be such that it can read left to right and from top to bottom
- The key fields should be clearly visible.
- All pages must have heading and a page number.



- The date on which the report was prepared should also be printed.
- All columns must be labelled with meaningful labels.
- I avoid too many details.
- I clearly defined the page and report footing.

5/11/2017 Invoice

Brand Of Outsiders

Oredred Id : C00572971
Customer Name : abc
Email Id : abc@gmail.com
Mobile NO. : 1234567
Address : mga

Ordered Id	Customer Id	Product Id	Category Id	Product Name	Brand	Sale Price	Discount	Quantity	Total
O00175564	C00175564	MEN	Cloths	1	Lee	150	350	10	12
O00572971	C00572971	MEN	Cloths	1	Lee	150	350	10	2
O00572971	C00572971	MEN	Cloths	1	Lee	150	350	10	2

TESTING AND VALIDATION CHECK

Testing phase is one of the important phase in between development and implementation phase. I perform the testing by following two testing strategies.

They are:

- Code Testing
- Specification Testing

During the code testing, I check out the execution of each and every statement of VB and checkout the path of the program and forms.

During the specification testing, I check out the execution of the program by inputting the some values as a test data and verify whether it satisfy the requirement or not.

I perform-

- a) Unit Testing and
- b) Integration Testing

During the Unit testing phase, I have performed the testing for each and every individual form (design and coding). I most important thing that I have observed in the form is the use of proper data type or not. I perform the test so as to make maximum coverage and maximum error detection. So during unit testing I make use of the White-Box testing technique.

During the Integration testing, I have linked every form with the required form, and check out for the proper working. I also ensure in this step that whether forms are linked in correct manner or not. In this testing phase, verification as well as program construction can be done. So during this phase I make use of the Black-Box testing technique.



IMPLEMENTATION

Implementation phase is basically comprises of three steps. They are:

- Implementation
- User's Training
- Post-Implementation (Maintenance Phase)

IMPLEMENTATION

During the implementation phase, the software is installed at the site of the customer and all the required documents and user manual is handed over to the concerned authority. The main task of the vendor is installed the software and make it ready for use.

USER'S TRAINING

During this phase, training should be given to the users who are going to use the software. The users are basically of two types: System operator and various other users to be going to assist the main user. In order to give training the personals, any one of the following methods can be adopted. They are:

- a) In-service training
- b) In-house training

In In-service training, a short training course is organized at the vendor's site and trained all the persons who are going to operate the software where the software is going to be installed.

In In-house training, vendors go to the site of the customer and give training to all the users who are going to operate the software.



POST IMPLEMENTATION

After the implementation and proper training to the user, a review is conducted to determine whether the system is meeting expectations or nay type of improvement is required (this is post implementation phase). A post implementation review measures the system's performance against pre-defined requirement and actual costs exceed initial estimates or not. It also provides information whether major re-design or modification is required or not.



SCOPE OF FUTURE APPLICATION

- This System being web-based and an undertaking of Cyber Security Division, needs to be thoroughly tested to find out any security gaps.
- A console for the data center may be made available to allow the personnel to monitor on the sites which were cleared for hosting during a particular period.
- Moreover, it is just a beginning; further the system may be utilized in various other types of auditing operation viz. Network auditing or similar process/workflow based applications...



PROGRAM CODE

ASP.NET &
C# (C SHARP)



ASP.NET / CSS CODE

BRAND OF OUTSIDERS SELLER PAGE**Category add.css**

```
/* CSS Document */
.catfrm1
{
    background:#9CF;
    font-size:22px;
    width:600px;
    height:390px;
    margin-top:-18px;
}
.catfrm2
{
    background:#9CF;
    font-size:22px;
    width:670px;
    height:100%;
    margin-left:640px;
    margin-top:-415px;
}
.des1
{
    font-size:28px;
```



```
        font-style:italic;
        margin-top:5px;
    }
    .des2
    {
        margin-left:95px;
    }
    .des3
    {
        margin-top:75px;
        width: 492px;
        margin-left: 50px;
        height: 365px;
        font-size:20px;
    }
```

category_add.aspx

```
<%@ Page Title="Category Add" Language="C#"
MasterPageFile="~/Seller/selle_master.master"
AutoEventWireup="true" CodeFile="category_add.aspx.cs"
Inherits="Seller_category_add" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head"
Runat="Server">
    <link rel="Stylesheet" type="text/css"
href="../../CSS/Category add.css" />
</asp:Content>
```



```
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<fieldset class="catfrm1">
<h4 class="des1">Item Category</h4>
<asp:Label ID="Label1" runat="server" Text="Category Id:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="cat_id" runat="server" style="margin-
left:90px; margin-top:40px;"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ErrorMessage="Cannot left blank"
    ControlToValidate="cat_id" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label2" runat="server" Text="Category Name:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="cat_name" runat="server"
    style="margin-left:57px; margin-top:30px;"
TabIndex="1"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator2"
runat="server" ErrorMessage="Cannot left blank"
    ControlToValidate="cat_name" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label3" runat="server" Text="Category Type:"
CssClass="des2"></asp:Label>
<asp:DropDownList ID="cat_type" runat="server" Height="22px"
Width="172px"
    style="margin-left:67px; margin-top:30px;"
TabIndex="2">
```




```
<asp:ListItem>Select</asp:ListItem>
<asp:ListItem>MEN</asp:ListItem>
<asp:ListItem>WOMEN</asp:ListItem>
<asp:ListItem>BABY & KIDS</asp:ListItem>
</asp:DropDownList>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ErrorMessage="Canot left blank"

ControlToValidate="cat_type"></asp:RequiredFieldValidator><br />
<asp:Button ID="save" type="button" value="Save"
runat="server"
    onclick="save_Click" Text="SAVE" Height="40px"
Width="90px"
    style="margin-left:250px; margin-top:50px; font-
size:18px;" TabIndex="3" />
<asp:Label ID="msgbox" runat="server" Text="" style="margin-
left:15px; font-size:16px;"></asp:Label><br />
</fieldset >
<fieldset class="catfrm2">
<h4>Category List</h4>
    <asp:Panel ID="Panel1" runat="server">
        <asp:GridView ID="Gd" runat="server" Height="100%"
Width="600px"
            AutoGenerateColumns="False"
AutoGenerateDeleteButton="True"
```



```
        AutoGenerateEditButton="True"
AutoGenerateSelectButton="True"
        onrowdeleting="Gd_RowDeleting"
onrowediting="Gd_RowEditing"
        onrowupdating="Gd_RowUpdating"
onselectedindexchanged="Gd_SelectedIndexChanged"
onrowcancelingedit="Gd_RowCancelingEdit">
    <Columns>
        <asp:BoundField DataField="category_id"
HeaderText="Category Id" />
        <asp:BoundField DataField="category_name"
HeaderText="Category Name" />
        <asp:BoundField DataField="category_type"
HeaderText="Category Type" />
    </Columns>
</asp:GridView>
</asp:Panel>
</fieldset>
</asp:Content>
```

category_add.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
```



```
using System.Data;
using System.Data.SqlClient;

public partial class Seller_category_add :
System.Web.UI.Page
{
    DataSet ds = new DataSet();
    SqlDataAdapter da = new SqlDataAdapter();
    SqlConnection cn = new SqlConnection();
    SqlCommand cmd = new SqlCommand();
    GridViewRow grw;

    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["uid"] == null)
            Response.Redirect("~/login.aspx");
        cn = new SqlConnection("Data Source=.;Initial
Catalog=POS;Integrated Security=True");
        if(!IsPostBack)
            showgrid();
        cn.Close();
    }
    protected void save_Click(object sender, EventArgs e)
    {
        try
        {
            RequiredFieldValidator1.Enabled = true;
        }
    }
}
```



```
RequiredFieldValidator2.Enabled = true;
RequiredFieldValidator3.Enabled = true;

cn.Open();
cmd.CommandText = "insert into category
values('" + cat_id.Text + "',' + cat_name.Text + "',' +
cat_type.Text + "')";
cmd.Connection = cn;
cmd.ExecuteNonQuery();
cn.Close();
msgbox.Text = "Record Saved";
showgrid();
cat_id.Text = "";
cat_name.Text = "";
cat_type.Text = "";
}
catch(Exception es)
{
    msgbox.Text = es.Message;
}
}
public void showgrid()
{
    cn.Open();
    cmd = new SqlCommand();
    cmd.CommandText = "select * from category";
    cmd.Connection = cn;
```



```
        da = new SqlDataAdapter(cmd);
        da.Fill(ds);
        Gd.DataSource=ds.Tables[0];
        cn.Close();
        Gd.DataBind();
    }

    protected void Gd_SelectedIndexChanged(object sender,
EventArgs e)
    {
        grw=Gd.SelectedRow;
        cat_id.Text = grw.Cells[1].Text;
        cat_name.Text = grw.Cells[2].Text;
        cat_type.Text = grw.Cells[3].Text;
    }

    protected void Gd_RowEditing(object sender,
GridViewEditEventArgs e)
    {
        RequiredFieldValidator1.Enabled = false;
        RequiredFieldValidator2.Enabled = false;
        RequiredFieldValidator3.Enabled = false;
        Gd.EditIndex = e.NewEditIndex;
        showgrid();
    }

    protected void Gd_RowUpdating(object sender,
GridViewUpdateEventArgs e)
    {
        ds.Clear();
```



```
        cn.Open();
        string ss="update category set category_name='" +
e.NewValues[1].ToString() + "',category_type='" +
e.NewValues[2].ToString() + "' where category_id='" +
e.NewValues[0].ToString() + "'";
        cmd = new SqlCommand(ss, cn);
        int a = cmd.ExecuteNonQuery();
        if (a > 0)
            msgbox.Text = "Data update";
        else
            msgbox.Text = "Data not update";
        Gd.EditIndex = -1;
        cn.Close();
        showgrid();
        RequiredFieldValidator1.Enabled = true;
        RequiredFieldValidator2.Enabled = true;
        RequiredFieldValidator3.Enabled = true;
    }
    protected void Gd_RowDeleting(object sender,
GridViewDeleteEventArgs e)
    {
        ds.Clear();
        cn.Open();
        string ss = "delete from category where
category_id='"+ e.Values[0].ToString() + "'";
        cmd = new SqlCommand(ss, cn);
```



```
int a = cmd.ExecuteNonQuery();
if (a > 0)
    msgbox.Text = "Data deleted";
else
    msgbox.Text = "Data not delete";
Gd.EditIndex = -1;
cn.Close();
showgrid();
}

protected void Gd_RowCancelingEdit(object sender,
GridViewCancelEventArgs e)
{
    Gd.EditIndex = -1;
    showgrid();
}
}
```

Images.css

```
/* CSS Document */
.pk1
{
    margin-left:0px;
    margin-top:-17px;
}
.pk2
{
    border:solid;
```



```
        width:450px;  
        height:250px;  
    }
```

Images.aspx

```
<%@ Page Title="Brand of Outsiders" Language="C#"  
MasterPageFile="~/Seller/selle_master.master"  
AutoEventWireup="true" CodeFile="Images.aspx.cs"  
Inherits="Seller_Images" %>  
  
<asp:Content ID="Content1" ContentPlaceHolderID="head"  
Runat="Server">  
    <link rel="Stylesheet" type="text/css"  
href="../../../CSS/Images.css" />  
</asp:Content>  
<asp:Content ID="Content2"  
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">  
    <div class="pk1">  
        <marquee direction="left" scrollamount="10"  
behaviour="alternate" onmouseover="this.scrollamount=0"  
onmouseout="this.scrollamount=10">  
              
              
              
              
        </marquee>  
    </div>  
</asp:Content>
```



```
<marquee direction="right" scrollamount="10"
behaviour="alternate" onmouseover="this.scrollAmount=0"
onmouseout="this.scrollAmount=10">
    
    
    
    
</marquee>
</div>
</asp:Content>
```

Images.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Seller_Images : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["uid"] == null)
            Response.Redirect("~/Login.aspx");
    }
}
```



Product details.css

```
/* CSS Document */
.prd1
{
    background:#9CF;
    font-size:20px;
    width:640px;
    height:570px;
    margin-top:-18px;
}
.prd2
{
    background:#9CF;
    font-size:20px;
    width:640px;
    height:100%;
    margin-left:675px;
    margin-top:-594px;
}
.des1
{
    font-style:italic;
    font-size:28px;
    margin-top:5px;
}
.des2
```



```
{
    margin-left:100px;
}
.des4
{
    background:#CC9;
}
```

product details.aspx

```
<%@ Page Title="Product Details" Language="C#"
MasterPageFile="~/Seller/selle_master.master"
AutoEventWireup="true" CodeFile="product details.aspx.cs"
Inherits="Seller_product_details" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head"
Runat="Server">
    <link rel="stylesheet" type="text/css"
href="../../CSS/Product details.css" />
</asp:Content>
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<fieldset class="prd1">
<h4 class="des1">Product Details</h4><br />
<asp:Label ID="Label1" runat="server" Text="Product Id:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="product_id" runat="server"
style="margin-left:120px; margin-top:5px;"></asp:TextBox>
```



```
<asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="product_id" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label2" runat="server" Text="Product Name:"
CssClass="des2"></asp:Label>
<asp:TextBox ID="product_name" runat="server"
style="margin-left:88px; margin-top:25px;"
TabIndex="1"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator2"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="product_name" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label3" runat="server" Text="Category Type:"
CssClass="des2"></asp:Label>
<asp:DropDownList ID="category_type" runat="server"
Height="22px" Width="172px"
style="margin-left:85px; margin-top:25px;"
onselectedindexchanged="category_type_SelectedIndexChanged"
AutoPostBack="true" TabIndex="2">
<asp:ListItem>Select</asp:ListItem>
<asp:ListItem>MEN</asp:ListItem>
<asp:ListItem>WOMEN</asp:ListItem>
<asp:ListItem>BABY & KIDS</asp:ListItem>
</asp:DropDownList>
```



```
<asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="category_type"></asp:RequiredFieldValidat
or><br />
<asp:Label ID="Label4" runat="server" Text="Category Name:"
CssClass="des2"></asp:Label>
<asp:DropDownList ID="category_name" runat="server"
Height="22px" Width="172px"
style="margin-left:77px; margin-top:25px;"
onselectedindexchanged="category_name_SelectedIndexChanged"
AutoPostBack="true" TabIndex="3">
<asp:ListItem></asp:ListItem>
</asp:DropDownList>
<asp:RequiredFieldValidator ID="RequiredFieldValidator4"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="category_name" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label5" runat="server" Text="Brand:"
CssClass="des2"></asp:Label>
<asp:TextBox ID="brand" runat="server"
style="margin-left:156px; margin-top:25px;"
TabIndex="4"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator5"
runat="server" ErrorMessage="Cannot left blank"
```



```
ControlToValidate="brand" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label6" runat="server" Text="Cost Price:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="cost_price" runat="server"
        style="margin-left:122px; margin-top:25px;"
TabIndex="5"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator6"
runat="server" ErrorMessage="Cannot left blank"
        ControlToValidate="cost_price" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label7" runat="server" Text="Sale Price:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="sale_price" runat="server"
        style="margin-left:124px; margin-top:25px;"
TabIndex="6"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator7"
runat="server" ErrorMessage="Cannot left blank"
        ControlToValidate="sale_price" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label8" runat="server" Text="Discount:"
CssClass="des2"></asp:Label>
    <asp:TextBox ID="discount" runat="server"
        style="margin-left:133px; margin-top:25px;"
TabIndex="7"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator8"
runat="server" ErrorMessage="Cannot left blank"
```



```
ControlToValidate="discount" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Button ID="save" runat="server" Text="SAVE"
Height="40px" Width="90px"
style="margin-left:250px; margin-top:40px; font-
size:20px;"
onclick="save_Click" TabIndex="8"/>
<asp:Label ID="MSGBox" runat="server" Text="" style="margin-
left:15px; font-size:16px;"></asp:Label>
</fieldset>
<fieldset class="prd2">
<h4 class="des1">Products List</h4>
<asp:Panel ID="Panel1" runat="server">
<asp:GridView ID="Gd2" runat="server" Height="100%"
Width="598px"
AutoGenerateColumns="false"
AutoGenerateDeleteButton="True"
AutoGenerateEditButton="True"
onrowcancelingedit="Gd2_RowCancelingEdit"
onrowdeleting="Gd2_RowDeleting"
onrowediting="Gd2_RowEditing"
onrowupdating="Gd2_RowUpdating">
<Columns>
<asp:BoundField DataField="product_id"
HeaderText="Product ID" />
<asp:BoundField DataField="product_name"
HeaderText="Product Name" />
```



```
<asp:BoundField DataField="category_type"
HeaderText="Category Type" />
<asp:BoundField DataField="brand" HeaderText="Brand" />
<asp:BoundField DataField="sale_price" HeaderText="Sale
Price" />
<asp:BoundField DataField="cost_price" HeaderText="Cost
Price" />
<asp:BoundField DataField="discount"
HeaderText="Discount" />
</Columns>
</asp:GridView>
</asp:Panel>
</fieldset>
</asp:Content>
```

product_details.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

public partial class Seller_product_details :
System.Web.UI.Page
```




```
{  
    DataSet ds = new DataSet();  
    DataTable dt = new DataTable();  
    SqlDataAdapter da = new SqlDataAdapter();  
    SqlConnection cn = new SqlConnection();  
    SqlCommand cmd = new SqlCommand();  
    static string catid;  
  
    protected void Page_Load(object sender, EventArgs e)  
    {  
        if (Session["uid"] == null)  
            Response.Redirect("~/login.aspx");  
        cn = new SqlConnection("Data Source=.;Initial  
Catalog=POS;Integrated Security=True");  
        if (!IsPostBack)  
        {  
            showgrid();  
            cn.Close();  
        }  
    }  
    protected void save_Click(object sender, EventArgs e)  
    {  
        try  
        {  
            RequiredFieldValidator1.Enabled = true;  
            RequiredFieldValidator2.Enabled = true;  
            RequiredFieldValidator3.Enabled = true;  
            RequiredFieldValidator4.Enabled = true;  
            RequiredFieldValidator5.Enabled = true;  
        }  
    }  
}
```



```
        RequiredFieldValidator6.Enabled = true;
        RequiredFieldValidator7.Enabled = true;
        RequiredFieldValidator8.Enabled = true;

        cn.Open();
        cmd.CommandText = "insert into product values('"
+ product_id.Text + "',' ' + product_name.Text + "',' ' +
catid + "',' ' + brand.Text + "',' ' + cost_price.Text + "','" +
sale_price.Text + "','" + discount.Text + "')";
        cmd.Connection = cn;
        cmd.ExecuteNonQuery();
        cn.Close();
        MsgBox.Text = "Record Saved";
        showgrid();
        product_id.Text = "";
        product_name.Text = "";
        brand.Text = "";
        cost_price.Text = "";
        sale_price.Text = "";
        discount.Text = "";
    }
    catch (Exception es)
    {
        MsgBox.Text = es.Message;
    }
}

public void showgrid()
```



```
{
    cn.Open();
    cmd = new SqlCommand();
    cmd.CommandText = "select
Product.brand,Product.cost_price,Product.discount,Product.pr
oduct_id,Product.product_name,Product.sale_price
,Category.category_type from category, Product where
Product.category_id=Category.category_id";
    cmd.Connection = cn;
    da = new SqlDataAdapter(cmd);
    da.Fill(ds);
    Gd2.DataSource = ds.Tables[0];
    cn.Close();
    Gd2.DataBind();
}

protected void category_type_SelectedIndexChanged(object
sender, EventArgs e)
{
    cn.Open();
    cmd = new SqlCommand("select * from category where
category_type='" + category_type.Text + "'");
    cmd.Connection = cn;
    da = new SqlDataAdapter(cmd);
    da.Fill(dt);
    category_name.DataTextField = "category_name";
    category_name.DataSource = dt;
    category_name.DataBind();
}
```



```
        category_name.Items.Add("Select");
        category_name.SelectedIndex =
category_name.Items.Count - 1;
    }

    protected void category_name_SelectedIndexChanged(object
sender, EventArgs e)
    {
        cn.Open();
        cmd = new SqlCommand("select * from category where
category_type='" + category_type.Text + "' and
category_name='"+category_name.Text+"'");
        cmd.Connection = cn;
        da = new SqlDataAdapter(cmd);
        da.Fill(dt);
        catid = dt.Rows[0][0].ToString();
    }

    protected void Gd2_RowUpdating(object sender,
GridViewUpdateEventArgs e)
    {
        ds.Clear();
        cn.Open();
        string ss = "update product set product_name='" +
e.NewValues[1].ToString() + "',category_id='" +
e.NewValues[2].ToString() + "',brand='" +
e.NewValues[3].ToString() + "',cost_price=" +
e.NewValues[4].ToString() + ",sale_price=" +
e.NewValues[5].ToString() + ",discount=" +
```



```
e.NewValues[6].ToString() + " where product_id='" +  
e.NewValues[0].ToString() + "'";  
    cmd = new SqlCommand(ss, cn);  
    int a = cmd.ExecuteNonQuery();  
    if (a > 0)  
        MsgBox.Text = "Data update";  
    else  
        MsgBox.Text = "Data not update";  
    Gd2.EditIndex = -1;  
    cn.Close();  
    showgrid();  
    RequiredFieldValidator1.Enabled = true;  
    RequiredFieldValidator2.Enabled = true;  
    RequiredFieldValidator3.Enabled = true;  
    RequiredFieldValidator4.Enabled = true;  
    RequiredFieldValidator5.Enabled = true;  
    RequiredFieldValidator6.Enabled = true;  
    RequiredFieldValidator7.Enabled = true;  
    RequiredFieldValidator8.Enabled = true;  
}  
protected void Gd2_RowDeleting(object sender,  
GridViewDeleteEventArgs e)  
{  
    ds.Clear();  
    cn.Open();  
    string ss = "delete from product where product_id='"  
+ e.Values[0].ToString() + "'";
```



```
cmd = new SqlCommand(ss, cn);
int a = cmd.ExecuteNonQuery();
if (a > 0)
    MsgBox.Text = "Data deleted";
else
    MsgBox.Text = "Data not delete";
Gd2.EditIndex = -1;
cn.Close();
showgrid();
}

protected void Gd2_RowCancelingEdit(object sender,
GridViewCancelEventArgs e)
{
    Gd2.EditIndex = -1;
    showgrid();
}

protected void Gd2_RowEditing(object sender,
GridViewEventArgs e)
{
    RequiredFieldValidator1.Enabled = false;
    RequiredFieldValidator2.Enabled = false;
    RequiredFieldValidator3.Enabled = false;
    RequiredFieldValidator4.Enabled = false;
    RequiredFieldValidator5.Enabled = false;
    RequiredFieldValidator6.Enabled = false;
    RequiredFieldValidator7.Enabled = false;
    RequiredFieldValidator8.Enabled = false;
```



```
Gd2.EditIndex = e.NewEditIndex;  
showgrid();  
}  
}
```

Seller Master.css

```
/* CSS Document */  
body  
{  
    margin:0px;  
    padding:0px;  
}  
.ak1  
{  
    width:1350px;  
    height:80px;  
    background:#6FB7FF;  
    margin-top:350px;  
}  
.parent_menu  
{  
    width:110px;  
    background-color:#8AE0F2;  
    color:#000;  
    text-align:center;  
    height:30px;
```



```
        margin-right:5px;
    }
    .child_menu
    {
        width:110px;
        background-color:#000;
        color:#fff;
        text-align:center;
        height:30px;
        line-height:30px;
    }
    .sub_menu
    {
        width:110px;
        background-color:#000;
        color:#fff;
        text-align:center;
        height:30px;
        line-height:30px;
        margin-top:5px;
    }
    .selected_menu
    {
        background-color:#ff6600;
    }
    .hover_menu
    {
```




```
background-color:#990000;  
color:#fff;  
}
```

selle_master.master

```
<%@ Master Language="C#" AutoEventWireup="true"  
CodeFile="selle_master.master.cs"  
Inherits="Seller_selle_master" %>  
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0  
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-  
transitional.dtd">  
<html xmlns="http://www.w3.org/1999/xhtml">  
<head runat="server">  
    <title>Brand of Outsiders</title>  
    <asp:ContentPlaceHolder id="head" runat="server">  
        </asp:ContentPlaceHolder>  
    <link rel="Stylesheet" type="text/css"  
href="../CSS/Seller Master.css" />  
</head>  
<body">  
    <form id="form1" runat="server">  
        <div>  
              
            <asp:SiteMapDataSource ID="SiteMapDataSource1"  
runat="server" ShowStartingNode="false"  
SiteMapProvider="oldProvider"/>
```



```
<asp:Menu ID="Menu1" runat="server"
DataSourceID="SiteMapDataSource1" Orientation="Horizontal">
    <LevelMenuItemStyles>
<asp:MenuItemStyle CssClass="parent_menu" />
</LevelMenuItemStyles>
<LevelSelectedStyles>
<asp:MenuItemStyle CssClass="child_menu" />
</LevelSelectedStyles>
<DynamicMenuItemStyle CssClass="sub_menu" />
<DynamicHoverStyle CssClass="hover_menu" />
<StaticSelectedStyle CssClass="selected_menu" />
<StaticHoverStyle CssClass="hover_menu" />
    </asp:Menu><br />
    <asp:ContentPlaceHolder id="ContentPlaceHolder1"
runat="server">
    </asp:ContentPlaceHolder>
</div>
<div class="ak1"></div>
</form>
</body>
</html>
```

selle_master.master.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
```



```
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class Seller_selle_master :
System.Web.UI.MasterPage
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
}
```

BRAND OF OUTSIDERS USER PAGE

Customer details.css



```
/* CSS Document */  
.prd1  
{  
    background:#9CF;  
    font-size:20px;  
    width:1315px;  
    height:545px;  
    margin-top:-18px;  
}  
.des1  
{  
    font-style:italic;  
    font-size:28px;  
    margin-top:5px;  
}  
.des2  
{  
    margin-left:30px;  
}  
.des3  
{  
    margin-left:560px;  
    margin-top:-415px;  
    font-size:large;  
}
```

Customers details.aspx



```
<%@ Page Title="Customers Details" Language="C#"
MasterPageFile="~/User/User.master" AutoEventWireup="true"
CodeFile="Customers details.aspx.cs"
Inherits="User_Customers_details" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head"
Runat="Server">
    <link rel="stylesheet" type="text/css"
href="../../CSS/Customer details.css" />
</asp:Content>
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<fieldset class="prd1">
<h4 class="des1">Customers details</h4>
    <asp:Label ID="Label1" runat="server" Text="Customer Id
:" CssClass="des2"></asp:Label>
    <asp:TextBox ID="customer_id" runat="server"
style="margin-top:30px; margin-left:82px;"
ReadOnly="True"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="customer_id" Font-
Size="15px"></asp:RequiredFieldValidator><br />
    <asp:Label ID="Label2" runat="server" Text="Customer
Name :" CssClass="des2"></asp:Label>
    <asp:TextBox ID="customer_name" runat="server"
style="margin-top:30px; margin-left:51px;"></asp:TextBox>
```



```
<asp:RequiredFieldValidator ID="RequiredFieldValidator2"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="customer_name" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label3" runat="server" Text="Email-Id :"
CssClass="des2"></asp:Label>
<asp:TextBox ID="email_id" runat="server" style="margin-
top:30px; margin-left:110px;"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="email_id" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label4" runat="server" Text="Mobile No.
:" CssClass="des2"></asp:Label>
<asp:TextBox ID="mobile" runat="server" style="margin-
top:30px; margin-left:89px; margin-
bottom:30px;"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator4"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="mobile" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Label ID="Label5" runat="server" Text="Address :"
CssClass="des2"></asp:Label><br />
<asp:TextBox ID="address" runat="server" style="margin-
top:-20px; margin-left:228px;" Height="115px" Width="167px"
TextMode="MultiLine"></asp:TextBox>
```



```
<asp:RequiredFieldValidator ID="RequiredFieldValidator5"
runat="server" ErrorMessage="Cannot left blank"
ControlToValidate="address" Font-
Size="15px"></asp:RequiredFieldValidator><br />
<asp:Button ID="save" runat="server" Text="Save"
Height="35px" Width="80px" Font-Size="18px"
style="margin-left:170px; margin-top:45px;"
onclick="save_Click" />
<asp:Button ID="invoice" runat="server" Text="Invoice"
Height="35px"
Width="80px" Font-Size="18px"
onclick="invoice_Click"/>
<asp:Label ID="MSGBox" runat="server" Text="" Font-
Size="15px"></asp:Label>
<div class="des3">
<asp:Panel ID="Panel1" runat="server">
<asp:GridView ID="Gd5" runat="server" Height="100%"
Width="740px"
AutoGenerateColumns="false"
AutoGenerateDeleteButton="True"
AutoGenerateEditButton="True"
onrowcancelingedit="Gd5_RowCancelingEdit"
onrowdeleting="Gd5_RowDeleting"
onrowediting="Gd5_RowEditing"
onrowupdating="Gd5_RowUpdating">
<Columns>
```



```
<asp:BoundField DataField="customer_id"
HeaderText="Customer Id" />
<asp:BoundField DataField="customer_name"
HeaderText="Customer Name" />
<asp:BoundField DataField="email_id"
HeaderText="Email-Id" />
<asp:BoundField DataField="mobile"
HeaderText="Mobile No." />
<asp:BoundField DataField="address"
HeaderText="Address" />
</Columns>
</asp:GridView>
</asp:Panel>
</div>
</fieldset>
</asp:Content>
```

Customers details.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
```




```
using System.Data.SqlClient;

public partial class User_Customers_details :
System.Web.UI.Page
{
    DataSet ds = new DataSet();
    DataTable dt = new DataTable();
    SqlDataAdapter da = new SqlDataAdapter();
    SqlConnection cn = new SqlConnection();
    SqlCommand cmd = new SqlCommand();

    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["uid"] == null)
            Response.Redirect("~/login.aspx");
        customer_id.Text = Request["cid"].ToString();
        cn = new SqlConnection("Data Source=.;Initial
Catalog=POS;Integrated Security=True");
        if (!IsPostBack)
            showgrid();
        cn.Close();
    }
    public void showgrid()
    {
        cn.Open();
        cmd = new SqlCommand();
        cmd.CommandText = "select * from customers";
    }
}
```



```
cmd.Connection = cn;
da = new SqlDataAdapter(cmd);
da.Fill(ds);
Gd5.DataSource = ds.Tables[0];
cn.Close();
Gd5.DataBind();
}
protected void save_Click(object sender, EventArgs e)
{
    try
    {
        RequiredFieldValidator1.Enabled = true;
        RequiredFieldValidator2.Enabled = true;
        RequiredFieldValidator3.Enabled = true;
        RequiredFieldValidator4.Enabled = true;
        RequiredFieldValidator5.Enabled = true;

        cn.Open();
        cmd.CommandText = "insert into customers
values('" + customer_id.Text + "','" + customer_name.Text +
"', '" + email_id.Text + "','" + mobile.Text + "','" +
address.Text + "')";
        cmd.Connection = cn;
        cmd.ExecuteNonQuery();
        cn.Close();
        MsgBox.Text = "Record Saved";
        showgrid();
    }
}
```



```
    }  
    catch (Exception es)  
    {  
        MsgBox.Text = es.Message;  
    }  
}  
  
protected void Gd5_RowCancelingEdit(object sender,  
GridViewCancelEventArgs e)  
{  
    Gd5.EditIndex = -1;  
    showgrid();  
}  
  
protected void Gd5_RowDeleting(object sender,  
GridViewDeleteEventArgs e)  
{  
    ds.Clear();  
    cn.Open();  
    string ss = "delete from customers where  
customer_id='" + e.Values[0].ToString() + "'";  
    cmd = new SqlCommand(ss, cn);  
    int a = cmd.ExecuteNonQuery();  
    if (a > 0)  
        MsgBox.Text = "Data deleted";  
    else  
        MsgBox.Text = "Data not delete";  
    Gd5.EditIndex = -1;  
    cn.Close();
```



```
        showgrid();
    }
    protected void Gd5_RowEditing(object sender,
GridViewEditEventArgs e)
    {
        RequiredFieldValidator1.Enabled = false;
        RequiredFieldValidator2.Enabled = false;
        RequiredFieldValidator3.Enabled = false;
        RequiredFieldValidator4.Enabled = false;
        RequiredFieldValidator5.Enabled = false;
        Gd5.EditIndex = e.NewEditIndex;
        showgrid();
    }
    protected void Gd5_RowUpdating(object sender,
GridViewUpdateEventArgs e)
    {
        ds.Clear();
        cn.Open();
        string ss = "update customers set customer_name='" +
e.NewValues[1].ToString() + "',email_id='" +
e.NewValues[2].ToString() + "',mobile='" +
e.NewValues[3].ToString() + "',address='" +
e.NewValues[4].ToString() + "' where customer_id='" +
e.NewValues[0].ToString() + "'";
        cmd = new SqlCommand(ss, cn);
        int a = cmd.ExecuteNonQuery();
        if (a > 0)
```



```
        MsgBox.Text = "Data update";
    else
        MsgBox.Text = "Data not update";
    Gd5.EditIndex = -1;
    cn.Close();
    showgrid();
    RequiredFieldValidator1.Enabled = true;
    RequiredFieldValidator2.Enabled = true;
    RequiredFieldValidator3.Enabled = true;
    RequiredFieldValidator4.Enabled = true;
    RequiredFieldValidator5.Enabled = true;
}
protected void invoice_Click(object sender, EventArgs e)
{
    ViewState["custid"] = customer_id.Text;
    Response.Redirect("Invoice.aspx?cd=" +
ViewState["custid"]);
}
}
```

Invoice.css

```
/* CSS Document */
.prd1
{
    background:#9CF;
    font-size:18px;
    width:1000px;
```



```
        height:545px;
        margin-top:-18px;
        margin-left:150px;
    }
    .des1
    {
        font-style:italic;
        font-size:18px;
        margin-top:5px;
    }
```

Invoice.aspx

```
<%@ Page Title="Invoice Print" Language="C#"
MasterPageFile="~/User/User.master" AutoEventWireup="true"
CodeFile="Invoice.aspx.cs" Inherits="User_Invoice" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head"
Runat="Server">
    <link rel="stylesheet" type="text/css"
href="../../CSS/Invoice.css" />
    <script type = "text/javascript">
        function PrintPanel()
        {
            var panel =
document.getElementById("<%=Panel1.ClientID %>");
```



```

        var printWindow = window.open('', '',
'height=400,width=800');

printWindow.document.write('<html><head><title>Invoice</titl
e>');

        printWindow.document.write('</head><body >');
        printWindow.document.write(panel.innerHTML);
        printWindow.document.write('</body></html>');
        printWindow.document.close();
        setTimeout(function ()
        {
            printWindow.print();
        }, 500);
        return false;
    }
</script>
</asp:Content>
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
<fieldset class="prd1">
<h4 class="des1">Invoice</h4>
<asp:Panel ID="Panel1" runat="server">
<div style="font-size:22px;">
    <asp:Button ID="print" runat="server" Text="Print"
OnClickClick="return PrintPanel();" style="margin-
left:950px; margin-top:-40px;" /><br />

```



```
<asp:Label ID="Label1" runat="server" Text="Brand Of  
Outsiders" style="font-size:40px; font-style:italic; margin-  
left:360px;"></asp:Label><br /><br /><br />  
<asp:Label ID="Label2" runat="server" Text="Oredred Id  
:" style="margin-left:100px;"></asp:Label>  
    <asp:Label ID="ordered_id" runat="server" Text=""  
style=" margin-left:120px;"></asp:Label><br />  
    <asp:Label ID="Label3" runat="server" Text="Customer  
Name :" style="margin-left:100px;"></asp:Label>  
        <asp:Label ID="customer_name" runat="server" Text=""  
style=" margin-left:75px;"></asp:Label><br />  
    <asp:Label ID="Label4" runat="server" Text="Email Id :"  
style="margin-left:100px;"></asp:Label>  
        <asp:Label ID="email" runat="server" Text="" style=""  
margin-left:141px;"></asp:Label><br />  
    <asp:Label ID="Label5" runat="server" Text="Mobile N0.  
:" style="margin-left:100px;"></asp:Label>  
        <asp:Label ID="mobile" runat="server" Text=""  
style=" margin-left:115px;"></asp:Label><br />  
    <asp:Label ID="Label6" runat="server" Text="Address :"  
style="margin-left:100px;"></asp:Label>  
        <asp:Label ID="address" runat="server" Text=""  
style=" margin-left:145px;"></asp:Label><br /><br /><br />  
</div>  
  
    <asp:GridView ID="Gd6" runat="server"  
AutoGenerateColumns="false" style=" width:900px; margin-  
left:50px;">
```




```
<Columns>
    <asp:BoundField DataField="ordered_id"
HeaderText="Ordered Id" />
    <asp:BoundField DataField="customer_id"
HeaderText="Customer Id" />
    <asp:BoundField DataField="product_id"
HeaderText="Product Id " />
    <asp:BoundField DataField="category_id"
HeaderText="Category Id" />
    <asp:BoundField DataField="product_name"
HeaderText="Product Name" />
    <asp:BoundField DataField="brand" HeaderText="Brand"
/>
    <asp:BoundField DataField="sale_price"
HeaderText="Sale Price" />
    <asp:BoundField DataField="discount"
HeaderText="Discount" />
    <asp:BoundField DataField="quantity"
HeaderText="Quantity" />
    <asp:BoundField DataField="total" HeaderText="Total"
/>
</Columns>
</asp:GridView>
</asp:Panel>
</fieldset>
</asp:Content>
```



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

public partial class User_Invoice : System.Web.UI.Page
{
    static DataTable remove = new DataTable();
    static DataSet ds = new DataSet();
    static DataTable dt = new DataTable();
    static DataTable dt1 = new DataTable();
    SqlDataAdapter da = new SqlDataAdapter();
    SqlConnection cn = new SqlConnection();
    SqlCommand cmd = new SqlCommand();
    string a;

    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["uid"] == null)
            Response.Redirect("~/login.aspx");
        if (!IsPostBack)
        {
            fill();
        }
    }
}
```



```
        customer_fill();
    }

}

void fill()
{
    a = Request["cd"].ToString();
    cn = new SqlConnection("Data Source=.;Initial
Catalog=POS;Integrated Security=True");
    cn.Open();
    cmd = new SqlCommand("select
ordered_id,customer_id,product_id,category_id,product_name,b
rand,sale_price,discount,quantity,total from ordered where
customer_id='"+a+"'",cn);
    da = new SqlDataAdapter(cmd);
    da.Fill(dt);
    ViewState["Inv"] = dt;
    Gd6.DataSource = ViewState["Inv"];
    Gd6.DataBind();
}

void customer_fill()
{
    a = Request["cd"].ToString();
    cn = new SqlConnection("Data Source=.;Initial
Catalog=POS;Integrated Security=True");
    cn.Open();
```



```
        cmd = new SqlCommand("select
customer_name,email_id,mobile,address from customers where
customer_id='"+a+"'",cn);
        da = new SqlDataAdapter(cmd);
        da.Fill(dt1);
        ViewState["Aka"] = dt1;
        remove = ViewState["Aka"] as DataTable;
        ordered_id.Text = a.ToString();
        customer_name.Text = remove.Rows[0][0].ToString();
        email.Text = remove.Rows[0][1].ToString();
        mobile.Text = remove.Rows[0][2].ToString();
        address.Text = remove.Rows[0][3].ToString();
        Gd6.DataBind();
    }
    protected void print_Click(object sender, EventArgs e)
    {

    }
}
```

Search product.css

```
/* CSS Document */
.prd1
{
    background:#9CF;
    font-size:18px;
    width:1315px;
```



```
        height:100%;
        margin-top:-18px;
    }
    .prd2
    {
        background:#9CF;
        font-size:15px;
        width:600px;
        height:420px;
        margin-left:-8px;
        margin-top:15px;
    }
    .prd3
    {
        background:#9CF;
        font-size:15px;
        width:655px;
        height:420px;
        margin-top:-441px;
        margin-left:630px;
    }
    .des1
    {
        font-style:italic;
        font-size:25px;
        margin-top:5px;
```



```
}  
.des2  
{  
    margin-left:0px;  
}  
.des3  
{  
    font-style:italic;  
    font-size:25px;  
}
```

Search product.aspx

```
<%@ Page Title="Search Product" Language="C#"  
MasterPageFile="~/User/User.master" AutoEventWireup="true"  
CodeFile="Search product.aspx.cs"  
Inherits="User_Search_product" %>
```

```
<asp:Content ID="Content1" ContentPlaceHolderID="head"  
Runat="Server">  
    <link rel="stylesheet" type="text/css"  
href="../../CSS/Search product.css" />  
</asp:Content>  
<asp:Content ID="Content2"  
ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">  
  
<fieldset class="prd1">  
<h4 class="des1">Search Product</h4>
```



```
<asp:Label ID="Label1" runat="server" Text="Product Id
:" CssClass="des2"></asp:Label>

<asp:TextBox ID="search_product" runat="server"
style="margin-left:80px; margin-top:25px;" Height="20px"
Width="150px"></asp:TextBox>

<asp:Button ID="search" runat="server" Text="Search"
style="margin-left:15px;"
height="25px" onclick="search_Click" />

<asp:TextBox ID="quantity" runat="server" style="margin-
left:50px; margin-top:25px;" Height="20px"
Width="50px"></asp:TextBox>

<asp:Button ID="invoice" runat="server" Text="Add
Invoice" style="margin-left:15px;"
height="25px" onclick="invoice_Click" /><br />

<asp:Label ID="Label2" runat="server" Text="Quantity"
style=" margin-left:463px; margin-top:-20px; font-
size:small;"></asp:Label>

<asp:Label ID="MSGBox" runat="server" Text="" style="
font-size:small; margin-left:120px;"></asp:Label>
<fieldset class="prd2">
<legend class="des1">Product</legend>
<asp:Panel ID="Panel1" runat="server">
<asp:GridView ID="Gd3" runat="server" Height="100%"
Width="600px" AutoGenerateColumns="false">
<Columns>
```



```
<asp:BoundField DataField="product_id"
HeaderText="Product Id" />
<asp:BoundField DataField="category_id"
HeaderText="Category Id" />
<asp:BoundField DataField="product_name"
HeaderText="Product Name" />
<asp:BoundField DataField="category_type"
HeaderText="Category Type" />
<asp:BoundField DataField="category_name"
HeaderText="Category Name" />
<asp:BoundField DataField="brand" HeaderText="Brand"
/>

<asp:BoundField DataField="sale_price"
HeaderText="Sale Price" />
<asp:BoundField DataField="cost_price"
HeaderText="Cost Price" />
<asp:BoundField DataField="discount"
HeaderText="Discount" />
</Columns>
</asp:GridView>
</asp:Panel>
</fieldset>

<fieldset class="prd3">
<legend class="des1">Invoice</legend>
<asp:Panel ID="Panel2" runat="server">
```




```
<asp:GridView ID="Gd4" runat="server" Height="100%"
Width="600px" AutoGenerateColumns="false"
onrowcommand="Gd4_RowCommand">
    <Columns>
        <asp:BoundField DataField="product_id"
HeaderText="Product Id" />
        <asp:BoundField DataField="category_id"
HeaderText="Category Id" />
        <asp:BoundField DataField="product_name"
HeaderText="Product Name" />
        <asp:BoundField DataField="category_type"
HeaderText="Category Type" />
        <asp:BoundField DataField="category_name"
HeaderText="Category Name" />
        <asp:BoundField DataField="brand" HeaderText="Brand"
/>
        <asp:BoundField DataField="sale_price"
HeaderText="Sale Price" />
        <asp:BoundField DataField="cost_price"
HeaderText="Cost Price" />
        <asp:BoundField DataField="discount"
HeaderText="Discount" />
        <asp:BoundField DataField="quantity"
HeaderText="Quantity" />
        <asp:BoundField DataField="total" HeaderText="Total"
/>
        <asp:TemplateField>
```



```
        <ItemTemplate>
            <asp:Button ID="remove" runat="server"
Text="Remove" CommandArgument="<%#Container.DataItemIndex
%>" />
        </ItemTemplate>
    </asp:TemplateField>
</Columns>
</asp:GridView>
    <asp:Button ID="create_invoice" runat="server"
Text="Create Invoice" onclick="create_invoice_Click" />
</asp:Panel>
</fieldset>
</fieldset>

</asp:Content>
```

Search_product.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
```



```
public partial class User_Search_product :
System.Web.UI.Page
{
    static DataTable remove = new DataTable();
    static DataSet ds = new DataSet();
    static DataTable dt = new DataTable();
    SqlDataAdapter da = new SqlDataAdapter();
    SqlConnection cn = new SqlConnection();
    SqlCommand cmd = new SqlCommand();
    int a;

    protected void Page_Load(object sender, EventArgs e)
    {
        if (Session["uid"] == null)
            Response.Redirect("~/login.aspx");
        cn = new SqlConnection("Data Source=.;Initial
Catalog=POS;Integrated Security=True");
        cn.Open();
        cn.Close();
        if (!IsPostBack)
        {
            cn.Open();
            cmd = new SqlCommand();
            cmd.CommandText = "select
Category.category_type,Category.category_name, Product.*
from Category, Product where
Product.category_id=Category.category_id ";
```



```
        cmd.Connection = cn;
        da = new SqlDataAdapter(cmd);
        ds.Clear();
        da.Fill(ds);
        dt = ds.Tables[0].Clone();
        dt.Columns.Add("quantity", typeof(int));
        dt.Columns.Add("total", typeof(int));
        ViewState["Inv"] = dt;
        cn.Close();
    }
}

public void showgrid()
{
    cn.Open();
    cmd = new SqlCommand();
    cmd.CommandText = "select
Category.category_type,Category.category_name, Product.*
from Category, Product where
Product.category_id=Category.category_id and
Product.product_id='" + search_product.Text+"'";
    cmd.Connection = cn;
    da = new SqlDataAdapter(cmd);
    ds.Clear();
    da.Fill(ds);
    Gd3.DataSource = ds.Tables[0];
    cn.Close();
    Gd3.DataBind();
}
```



```
}  
protected void search_Click(object sender, EventArgs e)  
{  
    showgrid();  
    search_product.Text = "";  
}  
protected void invoice_Click(object sender, EventArgs e)  
{  
    dt = ViewState["Inv"] as DataTable;  
    DataRow dr = dt.NewRow();  
    dr["product_id"] = ds.Tables[0].Rows[0][4];  
    dr["category_id"] = ds.Tables[0].Rows[0][2];  
    dr["product_name"] = ds.Tables[0].Rows[0][3];  
    dr["category_type"] = ds.Tables[0].Rows[0][0];  
    dr["category_name"] = ds.Tables[0].Rows[0][1];  
    dr["brand"] = ds.Tables[0].Rows[0][5];  
    dr["sale_price"] = ds.Tables[0].Rows[0][7];  
    dr["cost_price"] = ds.Tables[0].Rows[0][6];  
    dr["discount"] = ds.Tables[0].Rows[0][8];  
    dr["quantity"] = quantity.Text;  
    dr["total"] =  
    ((int.Parse(ds.Tables[0].Rows[0][7].ToString()) -  
    int.Parse(ds.Tables[0].Rows[0][8].ToString())) *  
    int.Parse(quantity.Text)).ToString();  
    dt.Rows.Add(dr);  
    quantity.Text = "";  
    Gd4.DataSource = dt;
```



```
Gd4.DataBind();
}
protected void Gd4_RowCommand(object sender,
GridViewCommandEventArgs e)
{
    a = int.Parse(e.CommandArgument.ToString());
    dt.Rows[a].Delete();
    Gd4.DataSource = dt;
    Gd4.DataBind();
}
protected void create_invoice_Click(object sender,
EventArgs e)
{
    //Gd4.DataSource = dt;
    // Gd4.DataBind();

    Random r = new Random();
    int rnum = r.Next(100, 999999);
    ViewState["oid"] = "000" + rnum.ToString();
    ViewState["cid"] = "C00" + rnum.ToString();
    for(int i=0;i<Gd4.Rows.Count;i++)
    {

        cn.Open();
        cmd = new SqlCommand();
        cmd.CommandText = "insert into Ordered
(ordere_id,customer_id,product_id,category_id,product_name,
```



```
brand,sale_price,discount,quantity,total,date) values ('" +  
ViewState["oid"].ToString() + "',' +  
ViewState["cid"].ToString() + "',' + dt.Rows[i][0] + "',' +  
+ dt.Rows[i][1] + "',' + dt.Rows[i][2] + "',' +  
dt.Rows[i][5] + "',' + dt.Rows[i][6] + "',' +  
dt.Rows[i][7] + "',' + dt.Rows[i][8] + "',' +  
dt.Rows[i][9] + "',' + DateTime.Now.ToString() + "')";  
        cmd.Connection = cn;  
        cmd.ExecuteNonQuery();  
        cn.Close();  
    }  
    Response.Redirect("customers details.aspx?cid=" +  
ViewState["cid"]);  
  
    }  
}
```

Seller Master.css

```
/* CSS Document */  
body  
{  
    margin:0px;  
    padding:0px;  
}  
.ak1  
{  
    width:1350px;
```



```
    height:80px;
    background:#6FB7FF;
    margin-top:350px;
}
.parent_menu
{
    width:110px;
    background-color:#8AE0F2;
    color:#000;
    text-align:center;
    height:30px;
    margin-right:5px;
}
.child_menu
{
    width:110px;
    background-color:#000;
    color:#fff;
    text-align:center;
    height:30px;
    line-height:30px;
}
.sub_menu
{
    width:110px;
    background-color:#000;
    color:#fff;
```




```
        text-align:center;
        height:30px;
        line-height:30px;
        margin-top:5px;
    }
    .selected_menu
    {
        background-color:#ff6600;
    }
    .hover_menu
    {
        background-color:#990000;
        color:#fff;
    }
```

User.master

```
<%@ Master Language="C#" AutoEventWireup="true"
CodeFile="User.master.cs" Inherits="User_User" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Brand of Outsiders</title>
    <asp:ContentPlaceholder id="head" runat="server">
    </asp:ContentPlaceholder>
```



```
<link rel="Stylesheet" type="text/css"
href="../../CSS/Seller Master.css" />
</head>
<body>
    <form id="form1" runat="server">
        <div>
            

            <asp:SiteMapDataSource ID="SiteMapDataSource1"
runat="server" ShowStartingNode="false"
SiteMapProvider="newProvider"/>
            <asp:Menu ID="Menu1" runat="server"
DataSourceID="SiteMapDataSource1" Orientation="Horizontal">
                <LevelMenuItemStyles>
<asp:MenuItemStyle CssClass="parent_menu" />
</LevelMenuItemStyles>
<LevelSelectedStyles>
<asp:MenuItemStyle CssClass="child_menu" />
</LevelSelectedStyles>
<DynamicMenuItemStyle CssClass="sub_menu" />
<DynamicHoverStyle CssClass="hover_menu" />
<StaticSelectedStyle CssClass="selected_menu" />
<StaticHoverStyle CssClass="hover_menu" />
                </asp:Menu><br />
                <asp:ContentPlaceHolder id="ContentPlaceHolder1"
runat="server">
```



```
</asp:ContentPlaceholder>
</div>
<div class="ak1"></div>
</form>
</body>
</html>
```

User.master.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

public partial class User_User : System.Web.UI.MasterPage
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }
}
```



ADMIN & USER LOGIN

LogIn.css

```
/* CSS Document */  
  
body  
{  
    margin:0px;  
    padding:0px;  
}  
  
.img  
{  
    width:1365px;  
    height:655px;  
    background-image:url('../Images/Login.jpeg');  
    margin-top:-18px;  
}  
  
.lg  
{  
    position:absolute;  
    background:#D1D1D1;  
    width:350px;  
    height:480px;  
    margin-left:500px;  
    margin-top:90px;  
    opacity:0.3;  
}  
  
.lg1  
{
```



```
position:absolute;
margin-left:500px;
margin-top:110px;
font-size:18px;
color:White;
}
```

Login.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Login.aspx.cs" Inherits="Login" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title>Log In</title>
    <link rel="stylesheet" type="text/css"
href="CSS/LogIn.css" />
</head>
<body>
    <form id="form1" runat="server">
        <div class="img">
            <div class="lg">
                </div>
                <div class="lg1">
```



```
<asp:Label ID="Label1" runat="server" Text="Brand"
style="font-size:30px; margin-left:135px;"></asp:Label><br
/>

<asp:Label ID="Label2" runat="server" Text="of"
style="font-size:22px; font-style:italic; margin-
left:160px;"></asp:Label><br />

<asp:Label ID="Label3" runat="server"
Text="Outsiders" style="font-size:30px; margin-
left:115px;"></asp:Label><br /><br /><br /><br />

<asp:Label ID="Label4" runat="server" Text="Log in"
style="font-size:22px; margin-left:145px;"></asp:Label><br
/><br />

<asp:RadioButton ID="admin" runat="server"
Text="Admin" GroupName="grp" style="margin-left:95px;"/>
<asp:RadioButton ID="user" runat="server"
Text="User" GroupName="grp" style="margin-left:25px;"/><br
/><br />

<asp:Label ID="Label5" runat="server"
Text="Username" style="margin-left:45px;"></asp:Label>
<asp:TextBox ID="username"
runat="server"></asp:TextBox>
<asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server" ErrorMessage=""
ControlToValidate="username" Font-
Size="15px"></asp:RequiredFieldValidator><br /><br />
<asp:Label ID="Label6" runat="server"
Text="Password" style="margin-left:45px;"></asp:Label>
```



```
<asp:TextBox ID="password" runat="server"
TextMode="Password" style="margin-
left:3.5px;"></asp:TextBox>
<asp:RequiredFieldValidator
ID="RequiredFieldValidator2" runat="server" ErrorMessage=""
ControlToValidate="password" Font-
Size="15px"></asp:RequiredFieldValidator><br /><br />
<asp:CheckBox ID="remember" runat="server"
style="margin-left:15px;"/>
<asp:Label ID="Label7" runat="server" Text="Remember
me username or password"></asp:Label><br /><br />
<asp:Button ID="login" runat="server" Text="Log in"
style="background-color:#C63; margin-left:140px;
margin-bottom:10px; font-size:18px;" Height="36px"
Width="80px" onclick="login_Click"/><br />
<asp:Label ID="Label8" runat="server"
Text="Forgotten your username or password?" style="margin-
left:27px;"></asp:Label>
</div>
<asp:Label ID="MSGBox" runat="server"
Text=""></asp:Label>
</div>
</form>
</body>
</html>
```



Login.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;

public partial class Login : System.Web.UI.Page
{
    DataSet ds = new DataSet();
    DataTable dt = new DataTable();
    SqlDataAdapter da = new SqlDataAdapter();
    SqlConnection cn = new SqlConnection();
    SqlCommand cmd = new SqlCommand();

    protected void Page_Load(object sender, EventArgs e)
    {
        Session["uid"] = null;
        if (Response.Cookies["unm"].Value == username.Text )
        {
            password.Text = Response.Cookies["pwd"].Value;
        }
    }
}
```




```
}  
protected void login_Click(object sender, EventArgs e)  
{  
    cn = new SqlConnection("Data Source=.;Initial  
Catalog=POS;Integrated Security=True");  
    string ut;  
    string url;  
    try  
    {  
        RequiredFieldValidator1.Enabled = true;  
        RequiredFieldValidator2.Enabled = true;  
        if(user.Checked)  
        {  
            ut=user.Text;  
            url = "User/Search product.aspx";  
        }  
        else  
        {  
            ut=admin.Text;  
            url = "Seller/Images.aspx";  
        }  
        cn.Open();  
        cmd.CommandText = "select * from login where  
username='" + username.Text + "' and password='" +  
password.Text + "' and usertype='" + ut + "'";  
        cmd.Connection = cn;  
        da = new SqlDataAdapter(cmd);
```



```
da.Fill(dt);
if (dt.Rows.Count != 0)
{
    Session["uid"] = username.Text;
    if (remember.Checked)
    {
        HttpCookie ck = new HttpCookie("unm",
username.Text);
        HttpCookie ck1 = new HttpCookie("pwd",
password.Text);

        Response.Cookies.Add(ck);
        Response.Cookies.Add(ck1);
    }
    Response.Redirect(url);
}
else
{
    MsgBox.Text = "Wrong Id and password";
}
cn.Close();

}
catch (Exception es)
{
    MsgBox.Text = es.Message;
}
}
```



```
}
```

web.config

```
<?xml version="1.0"?>
<!--
    For more information on how to configure your ASP.NET
    application, please visit
    http://go.microsoft.com/fwlink/?LinkId=169433
-->
<configuration>
    <system.web>
        <compilation debug="true" targetFramework="4.0"/>

        <siteMap defaultProvider="oldProvider">
            <providers>
                <clear />
                <add name="oldProvider"
type="System.Web.XmlSiteMapProvider"
siteMapFile="Web.sitemap" />
            </providers>
        </siteMap>
    </system.web>
</configuration>
```



```
        <add name="newProvider"
type="System.Web.XmlSiteMapProvider"
siteMapFile="Web2.sitemap" />
    </providers>
</siteMap>
</system.web>
</configuration>
```

Web.sitemap

```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-
File-1.0" >
    <siteMapNode url="" title="" description="">
        <siteMapNode url="Seller/Images.aspx" title="Home"
description="" />
        <siteMapNode url="Seller/category_add.aspx"
title="Category Add" description="" />
        <siteMapNode url="Seller/product details.aspx"
title="Product Details" description="" />
        <siteMapNode url="Login.aspx" title="Logout"
description="" />
    </siteMapNode>
</siteMap>
```

Web2.sitemap

```
<?xml version="1.0" encoding="utf-8" ?>
```



```
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-
File-1.0" >
    <siteMapNode url="" title="" description="">
        <siteMapNode url="User/Search product.aspx"
title="Search Product" description="" />
        <siteMapNode url="Login.aspx" title="Logout"
description="" />
    </siteMapNode>
</siteMap>
```

END



BIBLIOGRAPHY

I completed my project with help of these web sites Websites Are:

- ✓ www.kiezensoft.com
- ✓ www.google.co.in
- ✓ www.wikipedia.org
- ✓ www.cooltext.com
- ✓ www.w3cschool.com
- ✓ www.presentermedia.com
- ✓ www.animatedgif.net

