

AUTOMATIC ORDER GENERATION

A Project Report submitted in partial fulfillment of the
requirements for the degree of

Bachelor of Technology
in
Computer Science and Engineering

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UNDERTAKING

We hereby declare that the work presented in this dissertation, a project entitled “AUTOMATIC ORDER GENERATION ”, in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering, submitted to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, is our work carried out during the period from 25/07/2017 to 28/05/2018 under the guidance of **ASHISH PATEL ,Assistant professor**, Krishna Engineering College, Ghaziabad.

The work reported in this dissertation has not been submitted by us for award of any other degree or diploma.

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CERTIFICATE

This is to certify that the Project report entitled “AUTOMATIC ORDER GENERATION” done by (**Era Sharma 1416110069, Kajal Kansal 1416110084, Kanika Dhama 1416110085, Malina Sahoo 1416110102**), is carried out by them at Krishna Engineering College, Ghaziabad under my guidance. The matter embodied in this project work has not been submitted earlier for the award of any degree or diploma to the best of my knowledge and belief.

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ABSTRACT

Automation is everywhere these days enabling users to accomplish a wide range of tasks. Automated order service free up employees from routine tier-I support request so they can focus on more complex tasks. The purchase order process is an important one for business.

The existing system is manual as here the person in charge has to generate the order by analyzing the product sale manually.

The process of analyzing the demand pattern for a product is difficult as it requires a person to check all previous sales record manually.

Existing system process does not involves streamline communication and here financial risks is more.

First of all the threshold value of the product is checked then past sales for the product is checked.

If the product at the storage area is less then threshold value then automated query for order will be placed based on the past sales.

The whole system will be handled by the admin.

In this way the order will be generated and supplier will supply the particular product according to demand or sales for that product is analyzed.

MODULES

- Front end designing.
- Database designing.
- Algorithm for query generation using defined minimum value of product available.
- Algorithm for query generation using historical data with the concept of predictive analysis, regression trees.

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CHAPTER 1

INTRODUCTION

1.1 OBJECTIVE: —

- **The objective of the project is to automate the manual ordering system of the product in an company.**
- **Through automating it can help to minimize financial risk ,building optimal supplier relationships.**
- **With the help of predictive computing designing an algorithm which will analyze the past sales data of the product and deciding the future order of the product**

1.2 INTRODUCTION

Analysis can be defined as breaking up of any whole so as to find out their nature, function etc. It defines design as to make preliminary sketches of; to sketch a pattern or outline for plan. To plan and carry out especially by artistic arrangement or in a skillful way. System analysis and design can be characterized as a set of techniques and processes, a community of interests, a culture and an intellectual orientation.

The various tasks in the system analysis include the following.

- Understanding application.
- Planning.
- Scheduling.
- Developing candidate solution.
- Performing trade studies.
- Performing cost benefit analysis.
- Recommending alternative solutions.
- Selling of the system.
- Supervising, installing and maintaining the system.

This system manages to the analysis of the report creation and develops automatic Order generation. First design the seller platform, seller allocation and products sell forms. This project will help managing sale of products for the department calculate purchase and sell reports and generate automatic purchase order .The application seller system will provide flexible UI for all user.

CHAPTER 2 SYSTEM ANALYSIS

2.1 EXISTING SYSTEM

The Existing system consist manual purchase order for the products. Here the purchase order is carried by the users manually. It will be a tedious job to maintain the record for the products. The human effort is more here. The retrieval of the information is not as easy as the records are maintained in the separate databases.

This application requires correct feed on input into the respective field. Suppose the wrong inputs are entered, the application resist to work. so the user find it difficult to use.

2.2 PROPOSED SYSTEM:

To overcome the drawbacks of the existing system, the proposed system has been evolved. This project aims to reduce the paper work and saving time to generate accurate results from the customer order. The system provides with the best user interface.

The efficient reports can be generated by using this proposed system.

2.2.1 Advantages of Proposed System

- It is trouble-free to use.
- It is a relatively fast approach to enter attendance
- Is highly reliable, approximate result from user
- Best user Interface
- Efficient reports

2.3 FEASIBILITY STUDY:

Feasibility analysis begins once the goals are defined. It starts by generating broad possible solutions, which are possible to give an indication of what the new system should look like. This is where creativity and imagination are used. Analysts must think up new ways of doing things- generate new ideas. There is no need to go into the detailed system operation yet. The solution should provide enough information to make reasonable estimates about project cost and give users an indication of how the new system will fit into the organization. It is important not to

exert considerable effort at this stage only to find out that the project is not worthwhile or that there is a need significantly change the original goal.

Feasibility of a new system means ensuring that the new system, which we are going to implement, is efficient and affordable. There are various types of feasibility to be determined. They are,

2.3.1 Economically Feasibility:

Development of this application is highly economically feasible. The only thing to be done is making an environment with an effective supervision.

It is cost effective in the sense that has eliminated the paper work completely. The system is also time effective because the calculations are automated which are made at the end of the month or as per the user requirement.

2.3.2 Technical feasibility:

The technical requirement for the system is economic and it does not use any other additional Hardware and software. Technical evaluation must also assess whether the existing systems can be upgraded to use the new technology and whether the organization has the expertise to use it. This project is developed in JAVA and JSP is used to handle the contents which are supposed to be displayed on Web Browsers. Along with it MYSQL database is used to store the data.

2.3.3 Operational Feasibility:

The system working is quite easy to use and learn due to its simple but attractive interface. User requires no special training for operating the system. Technical performance include issues such as determining whether the system can provide the right information for the product details, and whether the system can be organized so that it always delivers this information at the right place and on time using intranet services. Acceptance revolves around the current system and its personnel.

CHAPTER 3

SYSTEM SPECIFICATION

3.1 HARDWARE REQUIREMENTS (Minimum Requirement)

- **Minimum RAM:-**1GB
- **Hard Disk:-**128 GB
- **Processor:-**Intel Pentium 4(1.50 GHZ) or above

3.2 SOFTWARE REQUIREMENTS (minimum Requirement)

- **Operating system :**Windows XP
- **Front Design:** HTML,CSS ,JavaScript , Bootstrap
- **Front-End Language :**JAVA 8
- **Back-End :** MYSQL
- **Back-End Connectivity :**JSP

CHAPTER 4 SOFTWARE DESCRIPTION

4.1 PACKAGE – ECLIPSE OXYGEN

Eclipse is an integrated development environment (IDE) used in computer programming, and is the most widely used Java IDE. It contains a base workspace and an extensible plug-in system for customizing the environment. Eclipse is written mostly in Java and its primary use is for developing Java applications, but it may also be used to develop applications in other programming languages via plug-ins, including Ada, ABAP, C, C++, C#, COBOL, D, Fortran, Haskell, JavaScript, Julia, Lasso, Lua, NATURAL, Perl, PHP, Prolog, Python, R, Ruby (including Ruby on Rails framework), Rust, Scala, Clojure, Groovy, Scheme, and Erlang. It can also be used to develop documents with LaTeX (via a TeXlipse plug-in) and packages for the software Mathematica. Development environments include the Eclipse Java development tools (JDT) for Java and Scala, Eclipse CDT for C/C++, and Eclipse PDT for PHP, among others.

The initial codebase originated from IBM VisualAge. The Eclipse software development kit (SDK), which includes the Java development tools, is meant for Java developers. Users can extend its abilities by installing plug-ins written for the Eclipse Platform, such as development toolkits for other programming languages, and can write and contribute their own plug-in modules. Since the introduction of the OSGi implementation (Equinox) in version 3 of Eclipse, plug-ins can be plugged-stopped dynamically and are termed (OSGI) bundles

Eclipse software development kit (SDK) is free and open-source software, released under the terms of the Eclipse Public License, although it is incompatible with the GNU General Public License. It was one of the first IDEs to run under GNU Classpath and it runs without problems under IcedTea.

4.2 DEVELOPMENT TOOLS AND TECHNOLOGIES

ECLIPSE:

The latest version of ECLIPSE, which runs on JAVA 8. Async Feature, Iterators, Call Hierarchy, Caller Information and Global Keyword in Namespace Statements are some of the

major features introduced in this version of eclipse. Oxygen is the code name for Eclipse 4.7 released on 28th June 2017. Oxygen.3a (4.7.3a) released in April 2018 is the current fix release and supports Java 9 and 10. This is the current release of Eclipse. The return value of the last method call is always displayed in the variable view when you debug some Java code.

JAVA:-

Java is a general-purpose computer-programming language that is concurrent, class-based, object-oriented,[15] and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture. As of 2016, Java is one of the most popular programming languages in use, particularly for client-server web applications, with a reported 9 million developers. Java was originally developed by James Gosling at Sun Microsystems (which has since been acquired by Oracle Corporation) and released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its syntax from C and C++, but it has fewer low-level facilities than either of them.

The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun relicensed most of its Java technologies under the GNU General Public License. Others have also developed alternative implementations of these Sun technologies, such as the GNU Compiler for Java (bytecode compiler), GNU Classpath (standard libraries), and IcedTea-Web (browser plugin for applets)

Some of the important Java 8 features are;

1. `forEach()` method in `Iterable` interface
2. default and static methods in Interfaces
3. Functional Interfaces and Lambda Expressions
4. Java Stream API for Bulk Data Operations on Collections
5. Java Time API
6. Collection API improvements

7. Concurrency API improvements
8. Java IO improvements
9. Miscellaneous Core API improvements

MYSQL:

MySQL is written in C and C++. Its SQL parser is written in yacc, but it uses a home-brewed lexical analyzer. MySQL works on many system platforms, including AIX, BSDi, FreeBSD, HP-UX, eComStation, i5/OS, IRIX, Linux, macOS, Microsoft Windows, NetBSD, Novell NetWare, OpenBSD, OpenSolaris, OS/2 Warp, QNX, Oracle Solaris, Symbian, SunOS, SCO OpenServer, SCO UnixWare, Sanos and Tru64. A port of MySQL to OpenVMS also exists.

The MySQL server software itself and the client libraries use dual-licensing distribution. They are offered under GPL version 2, beginning from 28 June 2000 (which in 2009 has been extended with a FLOSS License Exception) or to use a proprietary license.

Support can be obtained from the official manual. Free support additionally is available in different IRC channels and forums. Oracle offers paid support via its MySQL Enterprise products. They differ in the scope of services and in price. Additionally, a number of third party organisations exist to provide support and services, including MariaDB and Percona.

MySQL has received positive reviews, and reviewers noticed it "performs extremely well in the average case" and that the "developer interfaces are there, and the documentation (not to mention feedback in the real world via Web sites and the like) is very, very good". It has also been tested to be a "fast, stable and true multi-user, multi-threaded sql database server".

Major features as available in MySQL 5.6:

- A broad subset of ANSI SQL 99, as well as extensions
- Cross-platform support

- Stored procedures, using a procedural language that closely adheres to SQL/PSM
- Triggers
- Cursors
- Updatable views
- Online DDL when using the InnoDB Storage Engine.
- Information schema
- Performance Schema that collects and aggregates statistics about server execution and query performance for monitoring purposes
- A set of SQL Mode options to control runtime behavior, including a strict mode to better adhere to SQL standards.
- X/Open XA distributed transaction processing (DTP) support; two phase commit as part of this, using the default InnoDB storage engine
- Transactions with savepoints when using the default InnoDB Storage Engine. The NDB Cluster Storage Engine also supports transactions.
- ACID compliance when using InnoDB and NDB Cluster Storage Engines
- SSL support

JSP:

Architecturally, JSP may be viewed as a high-level abstraction of Java servlets. JSPs are translated into servlets at runtime, therefore JSP is a Servlet; each JSP servlet is cached and re-used until the original JSP is modified.^[2]

JSP can be used independently or as the view component of a server-side model–view–controller design, normally with JavaBeans as the model and Java servlets (or a framework such as Apache Struts) as the controller. This is a type of Model 2 architecture.^[3]

JSP allows Java code and certain pre-defined actions to be interleaved with static web markup content, such as HTML, with the resulting page being compiled and executed on the server to deliver a document. The compiled pages, as well as any dependent Java libraries, contain Java bytecode rather than machine code.

Like any other Java program, they must be executed within a Java virtual machine (JVM) that interacts with the server's host operating system to provide an abstract, platform-neutral environment.

JSPs are usually used to deliver HTML and XML documents, but through the use of `OutputStream`, they can deliver other types of data as well.^[4]

The Web container creates JSP implicit objects like `request`, `response`, `session`, `application`, `config`, `page`, `pageContext`, `out` and `exception`. JSP Engine creates these objects during translation phase.

Data Providers

- MS SQL Server 7.0+

CHAPTER 5 PROJECT DESCRIPTION

5.1 PROBLEM DEFINITION:

This system developed will reduce the manual work and avoid redundant data. By maintaining the attendance manually, then efficient reports cannot be generated. The system can generate efficient weekly, consolidate report based on the attendance. As the attendances are maintained in registers it has been a tough task for admin and staff to maintain for long time. Instead the software can keep long and retrieve the information when needed.

5.2 PROJECT OVERVIEW

Attendance Management System basically has two main modules for proper functioning

- Admin module is has rights for creating any new entry of faculty and student details.
- User has a rights of making daily attendance, generating report. Attendance report can be taken by given details of student details, date, class.

5.3 MODULE DESCRIPTION

The system should be designed in such a way that only authorized people should be allowed to access some particular modules. The records should be modified by only administrators and no one else. The user should always be in control of the application and not the vice versa.

The user interface should be consistent so that the user can handle the application with ease and speed. The application should be visually, conceptually clear.

5.3.1 ADMINISTRATOR MODULE:

- **Student Details:**

In this module deals with the allocation of roll no and personal details for new batch .It will generate of personal details of student and academic details of the students with the photos.

- **Staff Details:**

- It helps to allot the subject and the subject code to the particular staffs.
- It provides the facility to have a user name and password to the staffs .

- **Time table details:**

- It will retrieve the subject information from the subject database and assign time table to the staffs.
- It will help the admin, staff to make the entry of attendance based of the subject and period allotted to the respective staff.

- **Attendance details:**

- It will be makes to the attendance database all students. Entered attendance to stored in the database subject ,period wise into the particular date.
- It will help s to the get report of weekly and consolidate of the attendance.

Report details:

Report can be taken by daily,weekly and consolidate:

- weekly report get all hour details of attendance starting date to ending date and display the status
- Consolidate report get all student attendance details starting date to ending date status help for the eligibility criteria of the student to attend the examination.

5.3.2 STAFFS MODULE:

- **Attendance details:**

- It assists the staff to mark attendance to the students for their subject. This will authenticate the staff before making the entry.

- **Report details:**

1. weekly report get particular hour details of attendance from starting date to ending date and display the status .
2. consolidate report get all student attendance details from starting date to ending date status help for the eligibility criteria of the student to attend the examination

5.4 SYSTEM FLOW DIAGRAM:

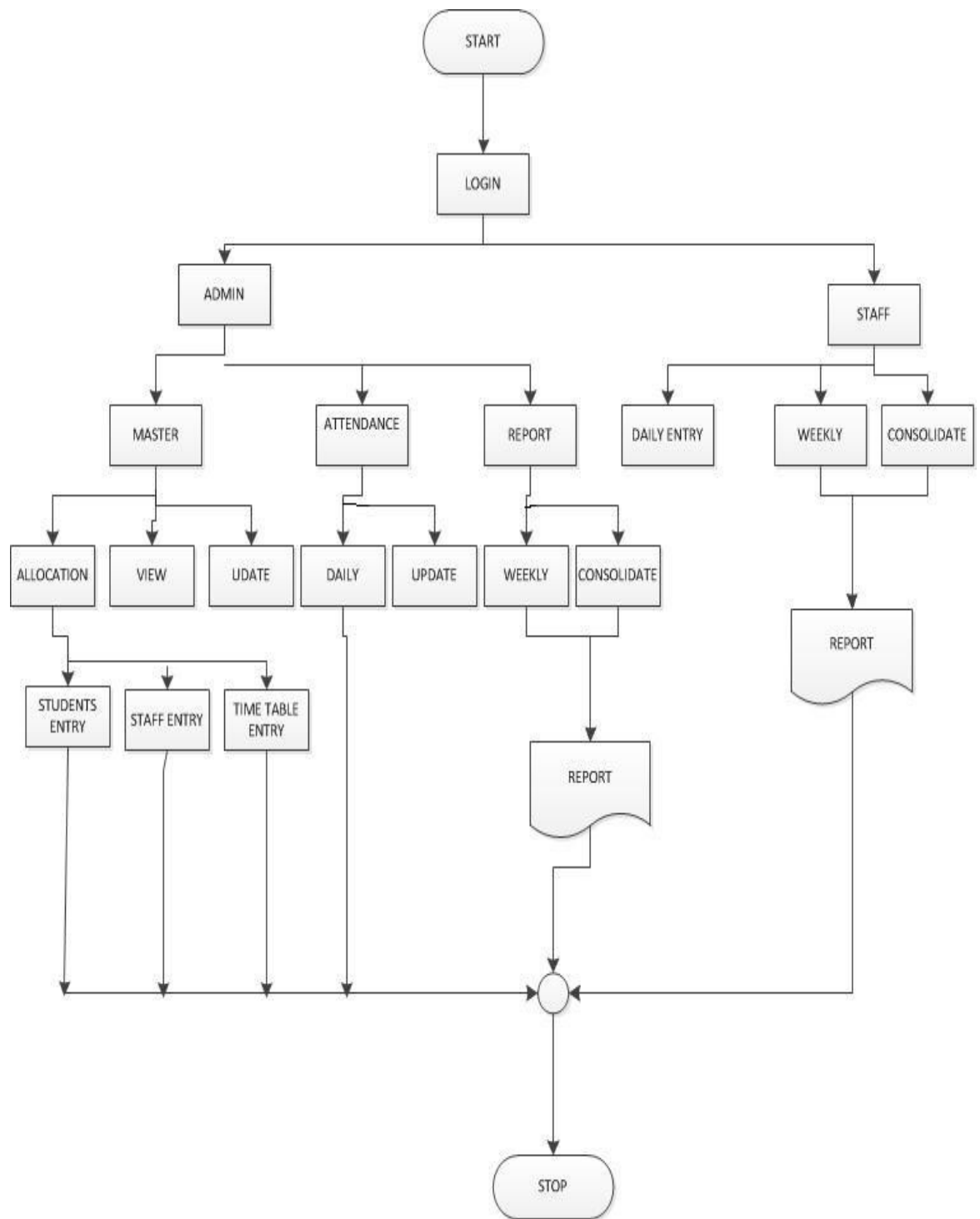


Figure 5.4-System Flow Diagram

5.5 Data Flow Diagram

5.5.1 DFD level 0:

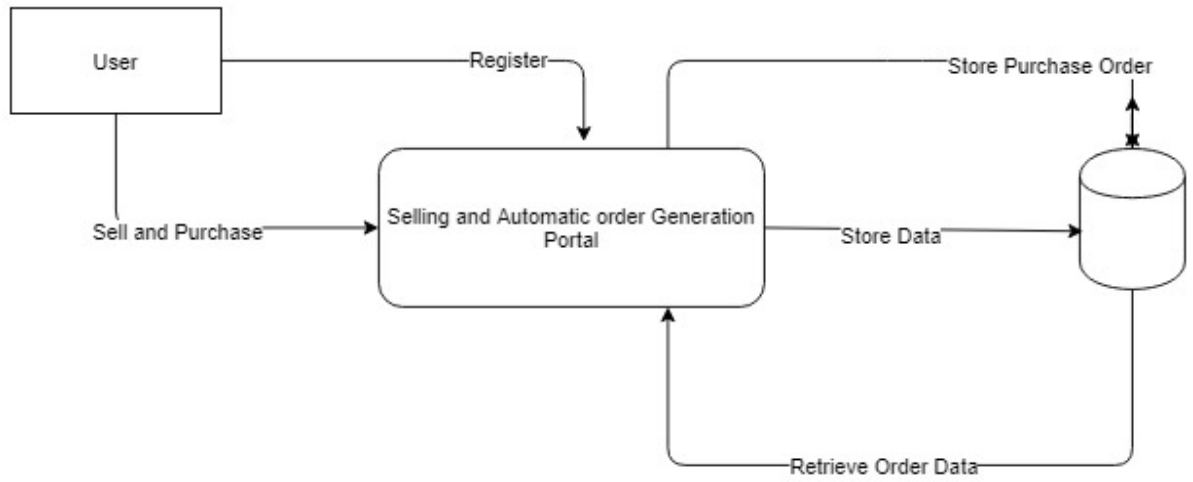


Figure 5.5.1-DataFlowDiagram Level0

5.5.2 DFD level 1: add Products

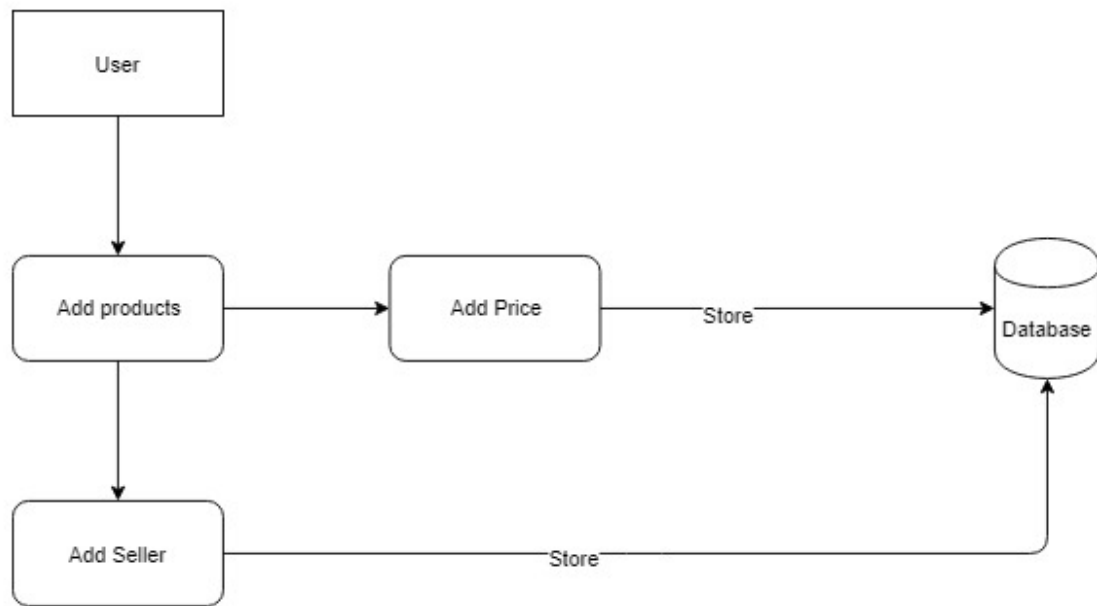
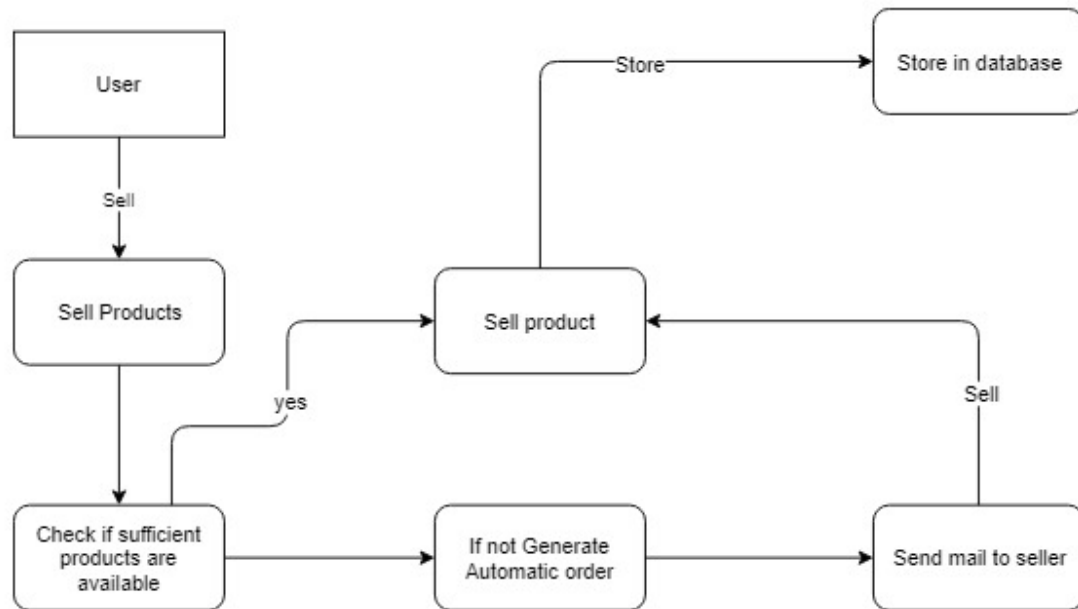
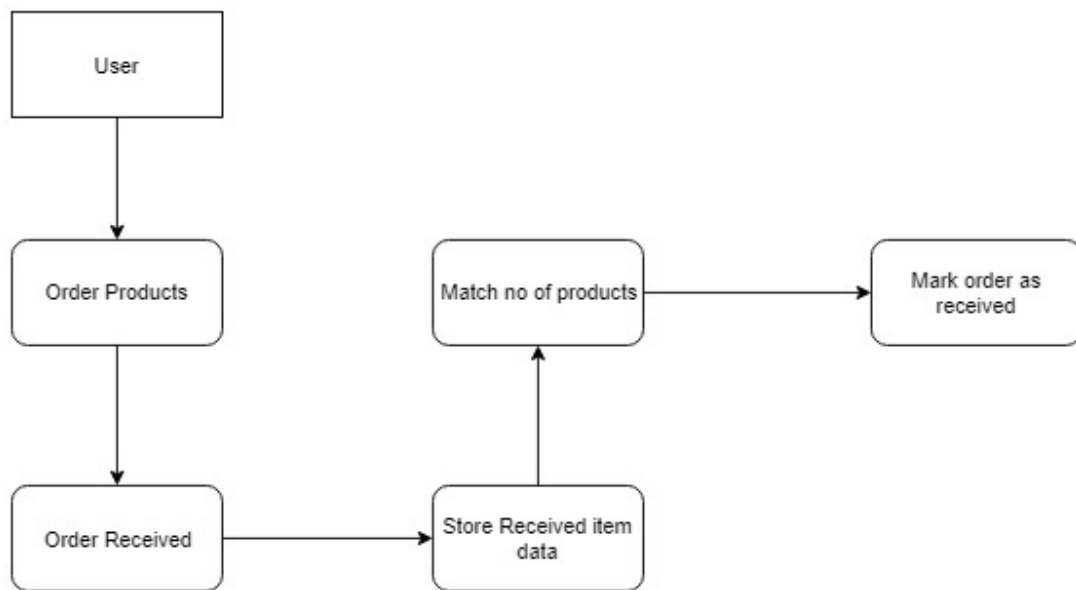


Figure 5.5.2-DataFlowDiagram Level1

5.5.3 DFD level 1: auto order



5.5.4 DFD level 1: order and purchase



5.6 SYSTEM DESIGN:

5.6.2 Database Design:

5.6.2.1 SELLER TABLE:

➤ To create a seller details for the table.

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
SELLER ID	varchar(20)	Primary key	Uniquely identify seller
SELLER EMAIL	varchar(45)		Stored email for login
SELLER ADDRESS	varchar(45)		Stored password for login
SELLER NAME	varchar(45)		Stores Name
SELLER PHONE	varchar(45)		Stores Phone no.

Table:5.7.2.1 -Seller Table

5.6.2.2 stock Table:

- To create username and password for the staff details.

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
ITEM_NAME	varchar(45)	primarykey	Product name present in the stock.
ITEM_DESC	Varchar(45)	yes	Product description
PRICE	Int(11)	yes	Product price
QTY	Int(11)	yes	Quantiy
MIN QTY	Int(11)	yes	Threshold quantity

Table:5.7.2.2 –stock details Table

5.6.2.3 User table:

- To create table for retailer personal details for our department.

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
Email	Varchar(30)	Primary key	Email of retailer
FName	Varchar(20)	Nullable	Retailer First Name
LName	Varchar(30)	Nullable	Retailer last name
Password	Varchar(45)	Nullable	Password
PIN	Int(11)	Nullable	Pin code city
ADDRESS	Varchar(20)	Nullable	Retailer permanent address
Phone	Varchar(45)	Nullable	Retailer mobile number
Active	Varchar(10)	Nullable	Retailer is active or not

Table:5.7.2.3 –User Details Table

5.6.2.4 product table/:

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
Product name	Varchar(20)	Primarykey	Name of product Eg dove
Prod desc	Varchar(20)	NotNull	Product description Eg soap
Price	Varchar(20)	NotNull	Price of product
Seller name	Varchar(20)	NotNull	
Seller id	Varchar(20)	Primary key	Seller identiy

Table:5.7.2.4 –Product Table

5.6.2.5 purchase table:

➤ To create purchase details for particular order .

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
Item_name	Varchar(30)	Not null	Name of product
Qty	Int(11)	nullable	Quantity to order
Seller id	Varchar(15)	Nullable	Sellers identification
Date	date	Nullable	Dtae of order
Price	Int(11)	Nullable	Price of product ordered

Table:5.7.2.5 -purchase Table

5.6.2.6 sell table

details of sales done

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
Item_name	Varchar(30)	Not null	Name of product
Qty	Int(11)	nullable	Quantity to order
Date	date	Nullable	Dtae of order
Price	Int(11)	Nullable	Price of product ordered

5.6.2.7 orderdata table

details of order done

FIELDS	DATATYPE	CONSTRAINTS	DESCRIPTION
Order id	Varchar(10)	Primary key	Id of order made
Item_name	Varchar(30)	Not null	Name of product
Qty	Int(11)	nullable	Quantity to order
Seller id	Varchar(15)	Nullable	Sellers identification
Date	date	Nullable	Dtae of order
Price	Int(11)	Nullable	Price of product ordered

5.6.3 INPUT DESIGN

Input design is part of overall system design that requires special attention designing input data is to make the data entered easy and free from **errors**. The input forms are designed using the controls available in .NET framework. Validation is made for each and every data that is entered. Help information is provided for the users during when the customer feels difficult.

Input design is the process of converting the user originated inputs to a computer based format. A system user interacting through a workstation must be able to tell the system whether to accept the input to produce reports. The collection of input data is considered to be most expensive part of the system design. Since the input has to be planned in such a manner so as to get relevant information, extreme care is taken to obtain pertinent information

This project first will entered to the input of allocation forms it will be created on student details form and subject entry form, time table form .it will helps to calculate subject wise attendance system. next one if u want any verification on your data's also available in details show forms. Attendance to entered single subject wise or all subject wise attendance system available in this project.

5.6.4 OUTPUT DESIGN

Output design this application “**Automatic Order Generation**” generally refers to the results and information that are generated by the system for many end-users; output is the main reason for developing the system and the basis on which they evaluate the usefulness of the application.

The output is designed in such a way that it is attractive, convenient and informative. Forms are designed with various features, which make the console output more pleasing.

As the outputs are the most important sources of information to the users, better design should improve the system's relationships with us and also will help in decision making. Form design elaborates the way output is presented and the layout available for capturing information.

One of the most important factors of the system is the output it produces. This system refers to the results and information generated. Basically the output from a computer system is used to communicate the result of processing to the user. Attendance management system to show the report subject wise attendance maintaining by staffs. Taken as a whole report obtain on a administrator privileges only. this forms will show weekly report and consolidate report generated date, batch, and class wise to our end user. we want to change our report to convert Excel format .if you want change any modification.

CHAPTER 6 SYSTEM TESTING

6.1 Introduction

Once source code has been generated, software must be tested to uncover (and correct) as many errors as possible before delivery to customer. Our goal is to design a series of test cases that have a high likelihood of finding errors. To uncover the errors software techniques are used. These techniques provide systematic guidance for designing test that

- (1) Exercise the internal logic of software components, and
- (2) Exercise the input and output domains of the program to uncover errors In program function, behavior and performance.

6.1.1 Steps: Software is tested from two different perspectives:

- (1) Internal program logic is exercised using —White box test case design Techniques.
- (2) Software requirements are exercised using —block box test case Design techniques.

In both cases, the intent is to find the maximum number of errors with the Minimum amount of effort and time.

6.2 Testing Methodologies:

A strategy for software testing must accommodate low-level tests that are necessary to verify that a small source code segment has been correctly implemented as well as high-level tests that validate major system functions against customer requirements. A strategy must provide guidance for the practitioner and a set of milestones for the manager. Because the steps of the test strategy occur at a time when deadline pressure begins to rise, progress must be measurable and problems must surface as early as possible. Following testing techniques are well known and the same strategy is adopted during this project testing.

6.2.1 Unit testing:

Unit testing focuses verification effort on the smallest unit of software design- the software component or module. The unit test is white-box oriented. The unit testing implemented in every module of student attendance management System. by giving correct manual input to the system ,the datas are stored in database and retrieved. If you want required module to access input or get the output from the End user. any error will accrued the time will provide handler to show what type of error will accrued .

6.2.2 System testing:

System testing is actually a series of different tests whose primary purpose is to fully exercise the computer-based system. Below we have described the two types of testing which have been taken for this project. It is to check all modules worked on input basis. If you want change any values or inputs will change all information. So specified input is must.

6.2.4 Performance Testing

Performance testing is designed to test the run-time performance of software within the context of an integrated system. Performance testing occurs throughout all steps in the testing process. Even at the unit level, the performance of an individual module may be assessed as white-box tests are conducted.

This project reduce attendance table, codes. It will generate report fast. No have extra time or waiting of results. Entered correct data will show result few millisecond. Just used only low memory of our system. Automatically do not getting access at another software. Get user permission and access to other applications.

6.3 Test cases

Test case is an object for execution for other modules in the architecture does not represent any interaction by itself. A test case is a set of sequential steps to execute a test operating on a set of predefined inputs to produce certain expected outputs. There are two types of test cases: *manual* and *automated*. A manual test case is executed manually while an automated test case is executed using automation.

In system testing, test data should cover the possible values of each parameter based on the requirements. Since testing every value is impractical, a few values should be chosen from each equivalence class. An equivalence class is a set of values that should all be treated the same.

Ideally, test cases that check error conditions are written separately from the functional test cases and should have steps to verify the error messages and logs. Realistically, if functional test cases are not yet written, it is ok for testers to check for error conditions when performing normal functional test cases. It should be clear which test data, if any is expected to trigger errors.

TEST CASE:

6.3.1 Agent and admin login form

Sno	Test case id	Test case name	Test case desc	Step	Expected result	Actual Result	Test case status pass/fail
1	Login admin	Validate login	To verify that login name on login page	Enter the login name and password and click submit button	Login successful or an error message "In valid login or password" must be displayed	Login successful	Pass
2	Login Staff	Validate login	To verify that login name on login page	Enter the login name and password and click submit button	Login successful or an error message "In valid login or password" must be displayed	Login successful	Pass
3	Password	Validate password	To verify that password on login page	Enter password and login name click submit button	An error message "password invalid" must be displayed	An error message "password invalid" must be displayed	fail

6.3.2 selling

Sn o	Test case id	Test case name	Test case desc	Step	Expected result	Actual Result	Test case status pass/fai l
1	Sell products	Validate selling	To Sell products	Nothing entered and click submit button	An error message quantity shouls be not equal to null	Inserted succesfu l	Pass
2	Create Order	Validate allocation form	To Check order generation	Nothing entered and click submit button	An error message staff details password, username e not equal to null must be displayed	Inserted successfully	Pass
3	Create purchase order	Validate purchase	To verify that data stored on database	Nothing entered and click submit button	An error message not click not allocation subject table not equal to null must be displayed	Inserted succesfu l	Pass
4	View	Check details of all data	To verify that data stored on database	generate d	An error message return null will be displayed	An error message return null will be displaye d	fail

CHAPTER 7 SYSTEM IMPLEMENTATION

7.1 Purpose

System implementation is the important stage of project when the theoretical design is tuned into practical system. The main stages in the implementation are as follows:

- Planning
- Training
- System testing and
- Changeover Planning

Planning is the first task in the system implementation. At the time of implementation of any system people from different departments and system analysis involve. They are confirmed to practical problem of controlling various activities of people outside their own data processing departments.

The line managers controlled through an implementation coordinating committee. The committee considers ideas, problems and complaints of user department, it must also consider:

- The implication of system environment
- Self selection and allocation for implementation tasks
- Consultation with unions and resources available
- Standby facilities and channels of communication

Student Attendance management system will implement student details ,staff handle subjects details, separate login details ,time table details. It will used to entered subject wise attendance .This application elaborate attendance table generate weekly, consolidate report provide to the End user. Mostly this application will calculate date wise attendance .To select starting date to end date generate reports at the time of activities.

7.2 SYSTEM MAINTENANCE

Software maintenance is far more than finding mistakes. Provision must be made for environment changes, which may affect either the computer, or other parts of the computer based systems. Such activity is normally called maintenance. It includes both the improvement of the system functions and the corrections of faults, which arise during the operation of a new system.

It may involve the continuing involvement of a large proportion of computer department resources. The main task may be to adapt existing systems in a changing environment.

Back up for the entire database files are taken and stored in storage devices like flash drives, pen drives and disks so that it is possible to restore the system at the earliest. If there is a breakdown or collapse, then the system gives provision to restore database files. Storing data in a separate secondary device leads to an effective and efficient maintains of the system. The nominated person has sufficient knowledge of the organization's computer passed based system to be able to judge the relevance of each proposed change.

CHAPTER 8 CONCLUSION AND FUTURE ENHANCEMENT

8.1 Conclusion

To conclude, Project Data Grid works like a component which can access all the databases and picks up different functions. It overcomes the many limitations incorporated in the attendance.

- Easy implementation Environment
- Generate report Flexibly

8.2 Scope for future development

The project has a very vast scope in future. The project can be implemented on intranet in future. Project can be updated in near future as and when requirement for the same arises, as it is very flexible in terms of expansion. With the proposed software of database Space Manager ready and fully functional the client is now able to manage and hence run the entire work in a much better, accurate and error free manner. The following are the future scope for the project.

- Discontinue of particular student eliminate potential attendance.
- Bar code Reader based attendance system.
- Individual Attendance system With photo using Student login.

CHAPTER 9 APPENDICES

LOGIN PAGE-LOGIN.HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
<title>AUTOMATIC ORDER GENERATION</title>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
=====-->
<link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
=====-->
<link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min-
3.7.7.css">
<!--
=====
=====-->
<link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
=====-->
<link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
=====-->
<link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
=====-->
<link rel="stylesheet" type="text/css" href="vendor/css-
```

```
hamburgers/hamburgers.min.css">
<!--
=====
=====-->

<link rel="stylesheet" type="text/css" href="vendor/animation/css/animation.min.css">
<!--
=====
=====-->

<link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
<!--
=====
=====-->

<link rel="stylesheet" type="text/css"
href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->

<link rel="stylesheet" type="text/css" href="css/util.css">
<link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->

<div class="login100-form-title">

<span class="login100-form-title-1">AUTOMATIC ORDER GENERATION</span>

</div>
</head>
<body background="20.jpg" text=white>

<nav class="navbar navbar-inverse">
<div class="container-fluid">
<div class="navbar-header">
<a class="navbar-brand" href="./welcome.jsp">Home</a>
</div>

<ul class="nav navbar-nav navbar-right">
<li><a href="./resigtration11.jsp"><span class="glyphicon glyphicon-log-in"></span>
```

Signup

</div>

</nav>

<div class="limiter" >

<div class="container-login100" background="20.jpg" text=white>

<div class="wrap-login100">

<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">

Sign In

</div>

<form action="checkuser.jsp" method="post" class="login100-form validate-form">

<div class="wrap-input100 validate-input m-b-26" data-validate="Username is required">

Username

<input class="input100" type="text" name="id" placeholder="Enter username">

</div>

<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">

Password

<input class="input100" type="password" name="pwd" placeholder="Enter password">

</div>

<div class="flex-sb-m w-full p-b-30">

<div class="contact100-form-checkbox">

Sign up

</div>

<div>

Forgot Password?

</div>

</div>

<div class="container-login100-form-btn">

<button class="login100-form-btn">

Login

</button>

</div>

</form>

</div>

</div>

</div>

<!--

=====

=====-->

<script src="vendor/jquery/jquery-3.2.1.min.js"></script>

<!--

=====

=====-->

<script src="vendor/animstion/js/animstion.min.js"></script>

<!--

=====

=====-->

<script src="vendor/bootstrap/js/popper.js"></script>

<script src="vendor/bootstrap/js/bootstrap.min.js"></script>

<!--

=====

=====-->

<script src="vendor/select2/select2.min.js"></script>

<!--

=====

=====-->

<script src="vendor/daterangepicker/moment.min.js"></script>

<script src="[vendor/daterangepicker/daterangepicker.js](#)"></script>

<!--

=====

=====-->

<script src="[vendor/countdowntime/countdowntime.js](#)"></script>

<!--

=====

=====-->

<script src="[js/main.js](#)"></script>

</body>

</html>

SIGNUP PAGE

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animstition/css/animstition.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
```

```

<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->

<div class="login100-form-title">

    <span class="login100-form-title-1">Inventory Management System</span>

</div>

</head>
<body bgcolor="skyblue">

<nav class="navbar navbar-inverse">
    <div class="container-fluid">
        <div class="navbar-header">
            <a class="navbar-brand" href="./welcome.jsp">Home</a>
        </div>

        <ul class="nav navbar-nav navbar-right">
            <li><a href="/login.html"><span class="glyphicon glyphicon-log-in"></span> Login</a></li>
        </ul>
    </div>
</nav>

<div class="limiter" >

<div class="container-login100" background="20.jpg" text=white>

<div class="wrap-login100">
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">
<span class="login100-form-title-1">

    Sign Up</span></div>

```

```
<form action="/registration.jsp" method="post" class="login100-form validate-form">
<div class="wrap-input100 validate-input m-b-26" data-validate="Email is required">

  <span class="label-input100">Username:</span>
  <input class="input100" type="email" name="email" placeholder="Enter Email">
  <span class="focus-input100"></span>
    </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Email is required">
<span class="label-input100">Re-Enter Email:</span>
<input class="input100" type="email" name="" placeholder="Enter Email">
<span class="focus-input100"></span>
  </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
<span class="label-input100">First Name:</span>
<input class="input100" type="text" name="fname" placeholder="Enter First Name">
<span class="focus-input100"></span>
  </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
<span class="label-input100">Last Name:</span>
<input class="input100" type="text" name="lname" placeholder="Enter Last Name">
<span class="focus-input100"></span>
  </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">
<span class="label-input100">Password</span>
<input class="input100" type="password" name="password" placeholder="Enter password">
<span class="focus-input100"></span>
  </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Password is required">
<span class="label-input100">Re-Enter Password</span>
<input class="input100" type="password" name="password" placeholder="Reenter password">
<span class="focus-input100"></span>
  </div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Address is required">
<span class="label-input100">Address</span>
<input class="input100" type="text" name="addr" placeholder="Enter Address">
<span class="focus-input100"></span>
  </div>
```



```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
<span class="label-input100">Pin Code:</span>
<input class="input100" type="text" name="pin" placeholder="Enter Pin code">
<span class="focus-input100"></span>
</div>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
<span class="label-input100">Phone</span>
<input class="input100" type="text" name="phone" placeholder="Enter Phone Number">
<span class="focus-input100"></span>
</div>
```

```

<div class="container-login100-form-btn">
    <button class="login100-form-btn">
        Sign Up
    </button>
</div>
</form>
</div>
</div>
</div>
```

```
<!--
```

```
=====
=====-->
```

```
<script src="vendor/jquery/jquery-3.2.1.min.js"></script>
```

```
<!--
```

```
=====
=====-->
```

```
<script src="vendor/animsition/js/animsition.min.js"></script>
```

```
<!--
```

```
=====
=====-->
```

```
<script src="vendor/bootstrap/js/popper.js"></script>
```

```
<script src="vendor/bootstrap/js/bootstrap.min.js"></script>
```

```
<!--
```

```
=====
=====-->
```

```
<script src="vendor/select2/select2.min.js"></script>
```

<!--

=====

=====-->

<script src="vendor/daterangepicker/moment.min.js"></script>

<script src="vendor/daterangepicker/daterangepicker.js"></script>

<!--

=====

=====-->

<script src="vendor/countdowntime/countdowntime.js"></script>

<!--

=====

=====-->

<script src="js/main.js"></script>

</body>

</html>

WELCOME PAGE checkuser.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>

<%
String id=request.getParameter("id");
String psw=request.getParameter("pwd");
    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
        PreparedStatement pst=con.prepareStatement("select fname from user where email=? and
password=?");
        pst.setString(1,id);
        pst.setString(2,psw);
        ResultSet rs1=pst.executeQuery();
        if(rs1.next())
        {
            session.setAttribute("id",id);
            session.setAttribute("name",rs1.getString("fname"));
            //redirect to menu
            %>

            <jsp:forward page="welcome.jsp"></jsp:forward>
            <%

        }
        else
        {
            //redirect to login
            %>
            <jsp:forward page="/login.html"></jsp:forward>
            <%

        }
    }
    catch(Exception e)
    {
        System.out.println(e);
    }
%>
```

ADD ITEM additem.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
=====-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min-3.7.7.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/animstition/css/animstition.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
```

```
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->
```

```
<div class="login100-form-title">
```

```
    <span class="login100-form-title-1">AUTOMATIC ORDER
    GENERATION</span>
```

```
</div>
```

```
</head>
```

```
<body bgcolor="skyblue">
```

```
    <nav class="navbar navbar-inverse">
```

```
    <div class="container-fluid">
```

```
        <div class="navbar-header">
```

```
            <a class="navbar-brand" href="./welcome.jsp">Home</a>
```

```
        </div>
```

```
        <ul class="nav navbar-nav">
```

```
            <li class="active"><a href="./purchase.jsp">Purchase</a></li>
```

```
            <li class="active"><a href="./sell.jsp">Sell</a></li>
```

```
            <li class="active"><a href="./additems.jsp">Add Items</a></li>
```

```
        </ul>
```

```
    <ul class="nav navbar-nav navbar-right">
```

```
    <%try{
```

```

;
if(session.getAttribute("name")==null){
    %>
    <jsp:forward page="login.html"></jsp:forward>

    <%
}

%>

```

```

<li><a href="#"><span class="glyphicon glyphicon-
user"></span><%=session.getAttribute("name").toString()%></a></li>

```

```

<%

```

```

}

```

```

catch(Exception e){
}
%>

```

```

<li><a href="/Logout.jsp"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
</ul>
</div>
</nav>

```

```

<div class="limiter" >

```

```

<div class="container-login100" background="20.jpg" text=white>

```

```

<div class="wrap-login100">
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">
    <span class="login100-form-title-1">
        Add new Items
    </span>
</div>

```

```

<form action="/additemsdata.jsp" method="post" class="login100-form validate-form">
<div class="wrap-input100 validate-input m-b-26" data-validate="Product name is required">
    <span class="label-input100">Product Name:</span>
    <input class="input100" type="text" name="praname"
placeholder="Enter Product Name">
    <span class="focus-input100"></span>
</div>

```

```

<div class="wrap-input100 validate-input m-b-18" data-validate = "Product Description is
required">
    <span class="label-input100">Product
Description:</span>
    <input class="input100" type="text" name="prodesc"
placeholder="Enter Product Description">
    <span class="focus-input100"></span>
</div>

```

```

<%          try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
    PreparedStatement pst=con.prepareStatement("select * from seller");
    String sid=null ;

```

```

ResultSet rs = pst.executeQuery();
%>
<div class="wrap-input100 validate-input m-b-26" data-validate="Username is required">
    <span class="label-input100"> Seller Name : </span>
<select class="input100" name="sellerid">
<%
while(rs.next())
{
    sid = rs.getString("sellerid");
%>
<option value="<%=sid %>"><%=sid %></option>

<%
}
%>
</select>
</div>

```

```
<%
```

```
}  
catch(SQLException sqe)  
{  
out.println(sqe);  
}  
%>
```

```
<div class="wrap-input100 validate-input m-b-18" data-validate = "Product Price is required">  
    <span class="label-input100">Product Price:</span>  
    <input class="input100" type="text"  
name="productprice" placeholder="Enter Product Price">  
    <span class="focus-input100"></span>  
</div>
```

```
<div class="container-login100-form-btn">  
    <button class="login100-form-btn">  
        Add Product  
    </button>  
</div>  
</form>  
</div>  
</div>  
</div>
```

```
<!--
```

```
=====-->
```

```
<script src="vendor/jquery/jquery-3.3.1.min.js"></script>
```

```
<!--
```

```
=====-->
```

```
<script src="vendor/animsition/js/animsition.min.js"></script>
```

```
<!--
```

```
=====-->
```



```
<script src="vendor/bootstrap/js/popper.js"></script>
<script src="vendor/bootstrap/js/bootstrap.min - 4.0.0.js"></script>
<!--
=====
=====-->
<script src="vendor/select2/select2.min.js"></script>
<!--
=====
=====-->
<script src="vendor/daterangepicker/moment.min.js"></script>
<script src="vendor/daterangepicker/daterangepicker.js"></script>
<!--
=====
=====-->
<script src="vendor/countdowntime/countdowntime.js"></script>
<!--
=====
=====-->
<script src="js/main.js"></script>

</body>
</html>
```

ADD ITEMS DATA additemsdata.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
String mail="";
    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");

        String sid=request.getParameter("sellerid");
        System.out.println(sid);
        String pname=request.getParameter("prname");
        System.out.println(pname);

        String desc=request.getParameter("prodesc");
        System.out.println(desc);
        String price =request.getParameter("productprice");
        int pr = Integer.parseInt(price);
        System.out.println(pr);
        String sname=null;

    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
        PreparedStatement pst1=conn.prepareStatement("select * from seller where
sellerid=?");
        pst1.setString(1, sid);

        ResultSet rs = pst1.executeQuery();

        while(rs.next()){
```

```
sname = rs.getString("sellername");
```

```
}
```

```
}
```

```
catch(SQLException sqe)
```

```
{
```

```
out.println(sqe);
```

```
}
```

```
//System.out.println(phone);
```

```
PreparedStatement pst=con.prepareStatement("insert into products values(?,?,?,?)");
```

```
pst.setString(1,pname);
```

```
pst.setString(2,desc);
```

```
pst.setString(3,sid);
```

```
pst.setString(4,sname);
```

```
pst.setInt(5,pr);
```

```
int i=0;
```

```
i=pst.executeUpdate();
```

```
//System.out.println(i)
```

```
%>
```

```
<jsp:forward page="additem.s.jsp">
```

```
<jsp:param name="prod" value="Product Added" /></jsp:forward>
```

```
<%
```

```
}
```

```
catch(Exception e){
```

```
    e.printStackTrace();
```

```
}
```

```
System.out.println("after catch");
```

```
%>
```

```
<jsp:forward page="#"></jsp:forward>
<%
//RequestDispatcher rd=request.getRequestDispatcher("./details.jsp");
//System.out.println("after req.disp.");
//rd.forward(request,response);
System.out.println("end");
%>
```

```
</body>
</html>
```

ADD SELLER addseller.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
=====-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min-3.7.7.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/animation/css/animation.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
```

```

<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->

<div class="login100-form-title">

    <span class="login100-form-title-1">AUTOMATIC ORDER
GENERATION</span>

    </div>
</head>
<body bgcolor="skyblue">

<div class="limiter" >

<nav class="navbar navbar-inverse">
    <div class="container-fluid">
        <div class="navbar-header">
            <a class="navbar-brand" href="/welcome.jsp">Home</a>
        </div>
        <ul class="nav navbar-nav">
            <li class="active"><a href="/purchase.jsp">Purchase</a></li>
            <li class="active"><a href="/sell.jsp">Sell</a></li>
            <li class="active"><a href="/AddSeller.jsp">Add Items</a></li>

        </ul>

        <ul class="nav navbar-nav navbar-right">

<%try{

    ;
    if(session.getAttribute("name")==null){
        %>

```

```

        <jsp:forward page="login.html"></jsp:forward>

        <%
        }

        %>

        <li><a href="#"><span class="glyphicon glyphicon-
user"></span><%=session.getAttribute("name").toString()%></a></li>

        <%

        }

        catch(Exception e){
        }%>

        <li><a href="/Logout.jsp"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
        </ul>
        </div>
</nav>

<div class="container-login100" background="20.jpg" text=white>

        <div class="wrap-login100">
                <div class="login100-form-title" style="background-image:
url(images/bg-01.jpg);">
                        <span class="login100-form-title-1">
                                Add Seller
                        </span>
                </div>

                <div> <span ><%

                String id =request.getParameter("id");
                if( id!=null)
                        out.print(id);%></span></div>

```

```

<form action="/AddSellerData.jsp" method="post" class="login100-form validate-form">

<div class="wrap-input100 validate-input m-b-18" data-validate = "Seller id is required">
    <span class="label-input100">Seller id:</span>
    <input class="input100" type="text" name="sellerid"
placeholder="Enter Seller id">
    <span class="focus-input100"></span>
</div>
<div class="wrap-input100 validate-input m-b-26" data-validate="Seller Name is required">
    <span class="label-input100">Seller Name:</span>
    <input class="input100" type="text"
name="sellername" placeholder="Enter Seller Name">
    <span class="focus-input100"></span>
</div>

<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
    <span class="label-input100">Seller Address:</span>
    <input class="input100" type="text" name="selleradd"
placeholder="Enter Seller Address">
    <span class="focus-input100"></span>
</div>

<div class="wrap-input100 validate-input m-b-18" data-validate = "Field is required">
    <span class="label-input100">Seller email:</span>
    <input class="input100" type="email"
name="selleremail" placeholder="Enter Seller email">
    <span class="focus-input100"></span>
</div>

<div class="wrap-input100 validate-input m-b-18" data-validate = "Phone no is required">
    <span class="label-input100">Seller Phone</span>
    <input class="input100" type="text"
name="sellerphone" placeholder="Enter Seller Phone">
    <span class="focus-input100"></span>
</div>

<div class="container-login100-form-btn">
    <button class="login100-form-btn">
        Add Seller
    </button>
</div>
</form>

```



```

        </div>
    </div>
</div>

<!--
=====
-->
    <script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<!--
=====
-->
    <script src="vendor/animation/js/animation.min.js"></script>
<!--
=====
-->
    <script src="vendor/bootstrap/js/popper.js"></script>
    <script src="vendor/bootstrap/js/bootstrap.min.js"></script>
<!--
=====
-->
    <script src="vendor/select2/select2.min.js"></script>
<!--
=====
-->
    <script src="vendor/daterangepicker/moment.min.js"></script>
    <script src="vendor/daterangepicker/daterangepicker.js"></script>
<!--
=====
-->
    <script src="vendor/countdowntime/countdowntime.js"></script>
<!--
=====
-->
    <script src="js/main.js"></script>

</body>
</html>
```

ADD SELLER DATA addsellerdata.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
String mail="";
    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");

        String sid=request.getParameter("sellerid");
        System.out.println(sid);
        String sname=request.getParameter("sellername");
        System.out.println(sname);
        String add=request.getParameter("selleradd");
        System.out.println(add);
        mail=request.getParameter("selleremail");
        System.out.println(mail);
        String phone=request.getParameter("sellerphone");
        //System.out.println(phone);

        PreparedStatement pst=con.prepareStatement("insert into seller values(?,?,?,?)");
        pst.setString(1,sid);
        pst.setString(2,sname);
        pst.setString(3,add);
        pst.setString(4,mail);
        pst.setString(5,phone);
        int i=0;
        i=pst.executeUpdate();
        //System.out.println(i);

        %>
        <jsp:forward page="AddSeller.jsp">
        <jsp:param name="id" value="Seller Added" /></jsp:forward>
```

<%

```
}  
catch(Exception e){  
  
    %>  
  
    <jsp:forward page="AddSeller.jsp">  
    <jsp:param name="id" value="Seller id is taken" /></jsp:forward>  
    <%  
        e.printStackTrace();  
    }  
    System.out.println("after catch");  
    %>  
    <jsp:forward page="#"></jsp:forward>  
    <%  
        //RequestDispatcher rd=request.getRequestDispatcher("./details.jsp");  
        //System.out.println("after req.disp.");  
        //rd.forward(request,response);  
        System.out.println("end");  
    %>
```

</body>

</html>

AUTOMATIC ORDER automaticorder.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
```

```
<%
String prod=request.getParameter("prodname");
String qty=request.getParameter("pqty");
String price=request.getParameter("price");
int quan = Integer.parseInt(qty);
System.out.println(quan);
int pr = Integer.parseInt(price);
System.out.println(pr);
```

```
String id =null;
String seller =null;
```

```
try{
    Class.forName("com.mysql.jdbc.Driver");
    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
    PreparedStatement pst=con.prepareStatement("select
products.sellerid,products.sellername,MIN(productprice)from products inner join seller where
seller.sellerid=products.sellerid and productname=? group by
products.sellerid,products.sellername,productprice");
    pst.setString(1,prod);

    ResultSet rs=pst.executeQuery();

    while(rs.next())
    {
        id = rs.getString(1);
        seller = rs.getString(2);
        System.out.println(seller);
    }
}
```

```
int cost = pr * quan;  
System.out.println(cost);
```

```
PreparedStatement pst1=con.prepareStatement("insert into orderdata  
values(0,?,?,?,NOW(),?)");  
pst1.setString(1,prod);  
pst1.setInt(2,quan);  
pst1.setString(3,id);
```

```
pst1.setInt(4,cost);
```

```
int i=0;  
i=pst1.executeUpdate();
```

```
}  
catch(Exception e)  
{  
    System.out.println(e);  
}
```

```
%>  
<jsp:forward page="sell.jsp">  
<jsp:param name="prod" value="product sold and Automatic order placed" /></jsp:forward>  
  
<%
```

```
%>
```

```
</head></body>  
</html>
```

ORDER ITEM orderitem.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animstion/css/animstion.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
```

```

<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->
<div class="login100-form-title">

    <span class="login100-form-title-1">AUTOMATIC ORDER GENERATION</span>

    </div>
</head>
<body bgcolor="skyblue">

<div class="limiter" >

<div class="container-login100" background="20.jpg" text=white>

<div class="wrap-login100">
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">
    <span class="login100-form-title-1">
        Order Items
    </span>
</div>

<form action="./orderitemsdata.jsp" method="post" class="login100-form validate-form">

    <%
        try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
        PreparedStatement pst=con.prepareStatement("select * from products");

        ResultSet rs = pst.executeQuery();
    %>
<div class="wrap-input100 validate-input m-b-26" data-validate="Username is required">
    <span class="label-input100"> Product Name : </span>
<select class="input100" name="prodname">

```

```

<option value="">--Select Product--</option>
<%
while(rs.next())
{
String pname = rs.getString("productname");
%>
<option value="<%=pname %>"><%=pname%></option>

<%
}
%>
</select>
</div>

```

```

<%
}
catch(SQLException sqe)
{
out.println(sqe);
}
%>

```

```

<div class="wrap-input100 validate-input m-b-18" data-validate = "Product Price is required">
    <span class="label-input100">Quantity:</span>
    <input class="input100" type="text" name="quantity"
placeholder="Enter Quantity">
    <span class="focus-input100"></span>
</div>

```

```

<div class="container-login100-form-btn">
    <button class="login100-form-btn">
        Order
    </button>
</div>
</form>
</div>
</div>

```


</div>

<!--

=====

=====-->

<script src="vendor/jquery/jquery-3.2.1.min.js"></script>

<!--

=====

=====-->

<script src="vendor/animstation/js/animstation.min.js"></script>

<!--

=====

=====-->

<script src="vendor/bootstrap/js/popper.js"></script>

<script src="vendor/bootstrap/js/bootstrap.min.js"></script>

<!--

=====

=====-->

<script src="vendor/select2/select2.min.js"></script>

<!--

=====

=====-->

<script src="vendor/daterangepicker/moment.min.js"></script>

<script src="vendor/daterangepicker/daterangepicker.js"></script>

<!--

=====

=====-->

<script src="vendor/countdowntime/countdowntime.js"></script>

<!--

=====

=====-->

<script src="js/main.js"></script>

</body>

</html>

ORDR ITEM DATA

orderitemsata.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<%
String mail="";
    try
    {
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");

        String sid=request.getParameter("sellerid");
        System.out.println(sid);
        String pname=request.getParameter("prodname");
        System.out.println(pname);
        String quantity =request.getParameter("quantity");
        int quan = Integer.parseInt(quantity);
        System.out.println(quan);
        String sname=null;
        int price=0;

        try
        {
            Class.forName("com.mysql.jdbc.Driver");
            Connection
conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","root");
            PreparedStatement pst1=conn.prepareStatement("select * from products where
productname=?");
            pst1.setString(1, pname);

            ResultSet rs = pst1.executeQuery();

            while(rs.next()){

                price = rs.getInt("productprice");
```

```

    }

    }
    catch(SQLException sqe)
    {
        out.println(sqe);
    }

    //System.out.println(phone);
    int cost = price*quan;

    PreparedStatement pst=con.prepareStatement("insert into orderdata
values(0,?,?,?,NOW(),?)");
    pst.setString(1,pname);
    pst.setInt(2,quan);
    pst.setString(3,sid);

    pst.setInt(4,cost);

    int i=0;
    i=pst.executeUpdate();
    //System.out.println(i)

    %>
    <jsp:forward page="orderitems.jsp">
    <jsp:param name="prod" value="Product Added" /></jsp:forward>

    <%
    }
    catch(Exception e){

        e.printStackTrace();
    }
    System.out.println("after catch");
    %>
    <jsp:forward page="#"></jsp:forward>
    <%
    //RequestDispatcher rd=request.getRequestDispatcher("./details.jsp");
    //System.out.println("after req.disp.");
    //rd.forward(request,response);
    System.out.println("end");
    %>

    </body></html>

```

PURCHASE purchase.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min-3.7.7.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animation/css/animation.min.css">
<!--
=====
-->
```

```

        <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
<!--
=====
=====-->
        <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
        <link rel="stylesheet" type="text/css" href="css/util.css">
        <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->

```

```

<div class="login100-form-title">

```

```

        <span class="login100-form-title-1">AUTOMATIC ORDER
        GENERATION</span>

```

```

    </div>

```

```

</head>

```

```

<body background="20.jpg">

```

```

<nav class="navbar navbar-inverse">
    <div class="container-fluid">
        <div class="navbar-header">
            <a class="navbar-brand" href="./welcome.jsp">Home</a>
        </div>
        <ul class="nav navbar-nav">
            <li class="active"><a href="./purchase.jsp">Purchase</a></li>
            <li class="active"><a href="./sell.jsp">Sell</a></li>
            <li class="active"><a href="./additems.jsp">Add Items</a></li>

```

```

        </ul>

```

```

        <ul class="nav navbar-nav navbar-right">

```

```

        <%try{

```

```

            ;
            if(session.getAttribute("name")==null){
                %>
                <jsp:forward page="login.html"></jsp:forward>

```

```

        <%
    }

    %>

    <li><a href="#"><span class="glyphicon glyphicon-
user"></span><%=session.getAttribute("name").toString()%></a></li>

    <%

    }

    catch(Exception e){
    }%>

    <li><a href="/Logout.jsp"><span class="glyphicon glyphicon-log-in"></span>
Logout</a></li>
    </ul>
    </div>
</nav>

<div class="limiter" >

<div class="container-login100" background="20.jpg" text=white>

<div class="wrap-login100">
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">
    <span class="login100-form-title-1">
        Purchase Items
    </span>
</div>

<form action="purchase11.jsp" method="post" class="login100-form validate-form">

    <%
    String seller=null;

```

```

try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
    PreparedStatement pst=con.prepareStatement("select * from orderdata");

    ResultSet rs = pst.executeQuery();
    %>
    <div class="wrap-input100 validate-input m-b-26" data-validate="Username is required">
        <span class="label-input100"> Name : </span>
        <select class="input100" name="item">
            %>
            while(rs.next())
            {
                int id= rs.getInt("orderid");
                String pname = rs.getString("productname");
                seller = rs.getString("sellerid");
                Date date = rs.getDate("date");
                %>
                <option value="<%=id %>"><%=id %>--<%=pname %>--sold by-<%=seller %>--ordered on-
                <%=date %></option>

            }
            %>
        </select>

    </div>
    <input class="input100" type="hidden" value="<%=seller %>" name="seller"/>

    %>
    }
    catch(SQLException sqe)
    {
        out.println(sqe);
    }
    %>
    <div class="wrap-input100 m-b-18" >
        <span class="label-input100">Quantity</span>

        <input class="input100" type="text" name="qty"
placeholder="Enter quantity">

```

```

                                </div>

<div class="container-login100-form-btn">
                                <button class="login100-form-btn" type="submit" >
                                  ADD
                                </button>
                                </div>
                                </form>

```

```

                                </div>

```

```

                                </div>
</div>

```

```

<!--
=====
=====-->
    <script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<!--
=====
=====-->
    <script src="vendor/animsition/js/animsition.min.js"></script>

```


<!--

=====

=====-->

<script src="vendor/bootstrap/js/popper.js"></script>

<script src="vendor/bootstrap/js/bootstrap.min.js"></script>

<!--

=====

=====-->

<script src="vendor/select2/select2.min.js"></script>

<!--

=====

=====-->

<script src="vendor/daterangepicker/moment.min.js"></script>

<script src="vendor/daterangepicker/daterangepicker.js"></script>

<!--

=====

=====-->

<script src="vendor/countdowntime/countdowntime.js"></script>

<!--

=====

=====-->

<script src="js/main.js"></script>

</body>

</html>

PURCHASE DATA

purchase11.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Inventory Management System</title>
```

```
<meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
        <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-awesome.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-font.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```

    <link rel="stylesheet" type="text/css" href="vendor/animation/css/animation.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
    <link rel="stylesheet" type="text/css" href="css/grayscale.min.css">
<!--
=====
=====-->
<style>
.button:link, .button:visited {
    background-color: #f44336;
    color: white;
    padding: 14px 25px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
}

a:hover, a:active {
    background-color: green;
}

.img {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 40%;
}

.wel {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 100%;
    text-align:center;
}

```

```

</style>
</head>
<body background="20.jpg" >

<div class="limiter" >

<div class="container-login100" background="20.jpg" >
<div class="login100-form-title">

    <span class="login100-form-title-1">AUTOMATIC ORDER
    GENERATION</span>

</div>

    <section class="container text-center">
    <div class="row" >
        <div class="col-sm-6 col-md-6 col-lg-offset-0" >
            <div style="font-size:1vw; color:red" > Welcome </div>

        </div>
        <div class="col-sm-6 col-md-6 col-lg-offset-0" ><a style="font-size:1vw;
color:red" href="/welcome.html">Logout</a>

        </div>
    </div>

    <div style="font-size:2vw; color:red"> <p>ITEM successfully added</p></div>

</section>

    <section class="container">

    </section>

</div>

</div>

    <section class="container text-center">

```

```

        <div class=" col-lg-offset-0" >
        <a class="button" href="/purchase.jsp">Purchase more items</a>
        </div>
    </section>

```

```

<%
String seller=request.getParameter("seller");
String item=request.getParameter("item");
String qty=request.getParameter("qty");
int id= Integer.parseInt(item);
String prod=null;
int qtyprod=0;
int qty1= Integer.parseInt(qty);
int qty2=0;
int num=0;
int price=0;
    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
        PreparedStatement pst=con.prepareStatement("select * from orderdata where orderid=?");
        pst.setInt(1,id);

        ResultSet rs=pst.executeQuery();
        while(rs.next())
        {
            prod= rs.getString("productname");
            qtyprod = rs.getInt("quantity");

        }

        if(qty1<qtyprod)
        {
            qtyprod=qtyprod-qty1;

        }
        else{
            qty1=qtyprod;
            //mailseller for prods
        }

```

```
        PreparedStatement pst4=con.prepareStatement("select productprice from products where  
productname=?");  
        pst4.setString(1,prod);
```

```
        ResultSet rs4=pst4.executeQuery();
```

```
        while(rs4.next())  
        {  
  
            price = rs4.getInt(1);  
  
        }  
        rs4.close();  
  
        pst4.close();
```

```
        PreparedStatement pst1=con.prepareStatement("select qty,price from stock where  
item_name=?");  
        pst1.setString(1,prod);
```

```
        ResultSet rs1=pst1.executeQuery();
```

```
        while(rs1.next())  
        {  
            num = rs1.getInt(1);  
            price = rs1.getInt(2);  
  
            qty2=qty1+num;  
        }  
        rs.close();  
  
        pst1.close();
```

```
        PreparedStatement pst2=con.prepareStatement("update stock set qty=? where  
item_name=?");  
        pst2.setInt(1,qty2);  
        pst2.setString(2,prod);
```

```
pst2.executeUpdate();
pst2.close();
```

```
PreparedStatement pst5=con.prepareStatement("insert into purchase
values(?,?,NOW(),?,?)");
pst5.setString(1,prod);
pst5.setInt(2,qty1);
price=price*qty1;
pst5.setInt(3,price);
pst5.setString(4,seller);
```

```
pst5.executeUpdate();
pst5.close();
```

```
PreparedStatement pst3=con.prepareStatement("update order set quantity=? where
orderid=?");
pst3.setInt(1,qtyprod);
pst3.setInt(2,id);
```

```
pst3.executeUpdate();
pst3.close();
```

```
con.close();
```

```
}
catch(Exception e)
{
    System.out.println(e);
}
%>
```

```
<!--
=====
-->
    <script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<!--
=====
-->
    <script src="vendor/animstation/js/animstation.min.js"></script>
<!--
=====
-->
    <script src="vendor/bootstrap/js/popper.js"></script>
    <script src="vendor/bootstrap/js/bootstrap.min.js"></script>
<!--
=====
-->
    <script src="vendor/select2/select2.min.js"></script>
<!--
=====
-->
    <script src="vendor/daterangepicker/moment.min.js"></script>
    <script src="vendor/daterangepicker/daterangepicker.js"></script>
<!--
=====
-->
    <script src="vendor/countdowntime/countdowntime.js"></script>
<!--
=====
-->
    <script src="js/main.js"></script>
    <script src="js/grascale.min.js"></script>

</body>
</html>
```


SELL sell.jsp

```
<%@ page language="java" import="java.sql.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
<meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
<!--
=====
-->
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min-3.7.7.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-
awesome.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-
font.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/animstion/css/animstion.min.css">
<!--
=====
-->
    <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
```

```

<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
    <link rel="stylesheet" type="text/css" href="css/util.css">
    <link rel="stylesheet" type="text/css" href="css/main.css">
<!--
=====
=====-->
<div class="login100-form-title">

    <span class="login100-form-title-1">AUTOMATIC ORDER
    GENERATION</span>

    </div>
</head>
<body background="20.jpg">

<nav class="navbar navbar-inverse">
    <div class="container-fluid">
        <div class="navbar-header">
            <a class="navbar-brand" href="./welcome.jsp">Home</a>
        </div>
        <ul class="nav navbar-nav">
            <li class="active"><a href="./purchase.jsp">Purchase</a></li>
            <li class="active"><a href="./sell.jsp">Sell</a></li>
            <li class="active"><a href="./additems.jsp">Add Items</a></li>

        </ul>

        <ul class="nav navbar-nav navbar-right">

<% try{

    if(session.getAttribute("name")==null){
        System.out.println(session.getAttribute("name"));
    %>

```

```
<%  
}  
%>
```

```
<li><a href="#"><span class="glyphicon glyphicon-  
user"></span><%=session.getAttribute("name").toString()%></a></li>
```

```
<%
```

```
}
```

```
catch(Exception e){  
}  
%>
```

```
<li><a href="/Logout.jsp"><span class="glyphicon glyphicon-log-in"></span>  
Logout</a></li>  
</ul>  
</div>  
</nav>
```

```
<div class="limiter" >
```

```
<div class="container-login100" background="20.jpg" text=white>
```

```
<div class="wrap-login100">  
<div class="login100-form-title" style="background-image: url(images/bg-01.jpg);">  
    <span class="login100-form-title-1">  
        Sell Items  
    </span>  
</div>
```

```
<form action="/sell11.jsp" method="post" class="login100-form validate-form">
```

```
<%
```

```

try
{
    Class.forName("com.mysql.jdbc.Driver");
    Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
    PreparedStatement pst=con.prepareStatement("select * from stock");

    ResultSet rs = pst.executeQuery();
    %>
    <div class="wrap-input100 validate-input m-b-26" data-validate="Username is required">
        <span class="label-input100"> Name : </span>
        <select class="input100" name="item">
            <%
            while(rs.next())
            {
                String fname = rs.getString("item_name");
                %>
                <option value="<%=fname %>"><%=fname %></option>

            <%
            }
            %>
            </select>
        </div>

        <%
        }
        catch(SQLException sqe)
        {
            out.println(sqe);
        }
        %>

        <div class="wrap-input100 m-b-18" >
            <span class="label-input100">Quantity</span>

            <input class="input100" type="text" name="qty"
placeholder="Enter quantity">

            </div>

            <div class="container-login100-form-btn">
                <button class="login100-form-btn" type="submit" >
                    SELL
                </button>
            </div>
        </form></div></div></div>

```

```
<!--
=====
=====-->
    <script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<!--
=====
=====-->
    <script src="vendor/animstation/js/animstation.min.js"></script>
<!--
=====
=====-->
    <script src="vendor/bootstrap/js/popper.js"></script>
    <script src="vendor/bootstrap/js/bootstrap.min.js"></script>
<!--
=====
=====-->
    <script src="vendor/select2/select2.min.js"></script>
<!--
=====
=====-->
    <script src="vendor/daterangepicker/moment.min.js"></script>
    <script src="vendor/daterangepicker/daterangepicker.js"></script>
<!--
=====
=====-->
    <script src="vendor/countdowntime/countdowntime.js"></script>
<!--
=====
=====-->
    <script src="js/main.js"></script>

</body>
</html>
```

SELL DATA

sell11.jsp

```
<%@ page language="java" import="java.sql.*,java.io.*" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
```

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>AUTOMATIC ORDER GENERATION</title>
```

```
<meta charset="UTF-8">
```

```
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
        <meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="icon" type="image/png" href="images/icons/favicon.ico"/>
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/bootstrap/css/bootstrap.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="fonts/font-awesome-4.7.0/css/font-awesome.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="fonts/Linearicons-Free-v1.0.0/icon-font.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/animate/animate.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```
    <link rel="stylesheet" type="text/css" href="vendor/css-hamburgers/hamburgers.min.css">
```

```
<!--
```

```
=====
```

```
=====-->
```

```

        <link rel="stylesheet" type="text/css" href="vendor/animation/css/animation.min.css">
<!--
=====
=====-->
        <link rel="stylesheet" type="text/css" href="vendor/select2/select2.min.css">
<!--
=====
=====-->
        <link rel="stylesheet" type="text/css" href="vendor/daterangepicker/daterangepicker.css">
<!--
=====
=====-->
        <link rel="stylesheet" type="text/css" href="css/util.css">
        <link rel="stylesheet" type="text/css" href="css/main.css">
        <link rel="stylesheet" type="text/css" href="css/grayscale.min.css">
<!--
=====
=====-->
<style>
.button:link, .button:visited {
    background-color: #f44336;
    color: white;
    padding: 14px 25px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
}

a:hover, a:active {
    background-color: green;
}

.img {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 40%;
}

.wel {
    display: block;
    margin-left: auto;
    margin-right: auto;
    width: 100%;
    text-align:center;
}

```

```
</style>
</head>
<body background="20.jpg" >
```

```
    <div class="limiter" >

        <div class="container-login100" background="20.jpg" >
            <div class="login100-form-title">

                <span class="login100-form-title-1">AUTOMATIC ORDER
GENERATION</span>

            </div>
```

```
        <section class="container text-center">
            <div class="row" >
                <div class="col-sm-6 col-md-6 col-lg-offset-0" >
                    <div style="font-size:1vw; color:red" > Welcome </div>

                </div>
                <div class="col-sm-6 col-md-6 col-lg-offset-0" ><a style="font-size:1vw;
color:red" href="/welcome.html">Logout</a>

            </div>
        </div>
    </div>
<%
```

```
String item=request.getParameter("item");
String qty=request.getParameter("qty");
int qty1= Integer.parseInt(qty);
int qty2=0;
int price=0;
int sum=0;
    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection
con=DriverManager.getConnection("jdbc:mysql://localhost:3306/invnt","root","space314#$era");
        PreparedStatement pst=con.prepareStatement("select qty,price from stock where
item_name=?");
```



```

pst.setString(1,item);

ResultSet rs=pst.executeQuery();

while(rs.next())
{
    int num = rs.getInt(1);
    price = rs.getInt(2);

    qty2=num-qty1;
}

pst.close();

if(qty2>0){

    PreparedStatement pst1=con.prepareStatement("update stock set qty=? where
item_name=?");
    pst1.setInt(1,qty2);
    pst1.setString(2,item);

    pst1.executeUpdate();
    pst1.close();

    PreparedStatement pst2=con.prepareStatement("insert into sell values(?,?,NOW(),?)");
    pst2.setString(1,item);
    pst2.setInt(2,qty1);
    price=price*qty1;
    pst2.setInt(3,price);

    pst2.executeUpdate();
    pst2.close();

}

PreparedStatement pst3=con.prepareStatement("select qty,min_qty from stock where
item_name=?");
pst3.setString(1,item);

ResultSet rs3= pst3.executeQuery();

```

```
int quant=0,minq=0;
```

```
while(rs3.next())  
{  
    quant = rs3.getInt(1);  
    minq = rs3.getInt(2);  
}
```

```
java.time.LocalDate today = java.time.LocalDate.now();  
int month = today.getMonthValue();
```

```
if(quant<=minq)  
{
```

```
        PreparedStatement pst4=con.prepareStatement("select sum(qty) from sell where  
item_name=? and date >(NOW() - INTERVAL 1 MONTH)");  
        pst4.setString(1,item);
```

```
        ResultSet rs4= pst4.executeQuery();  
        while(rs4.next())  
        {  
            sum =rs4.getInt(1);  
            System.out.print(sum);  
        }
```

```
        %>
```

```
        <jsp:forward page="automaticorder.jsp">  
        <jsp:param name="prodname" value="<%=item%>" />  
        <jsp:param value="<%=sum %>"  
        name="pqty"/>  
        <jsp:param value="<%=price %>" name="price"/>  
        </jsp:forward>
```

```
        <%
```

```
    }
```

```
    con.close();
```

```
}  
  
    catch(Exception e)  
    {  
        System.out.println(e);  
    }  
  
    %>
```

```
<div style="font-size:2vw; color:red">
```

```
<p>  
<%
```

```
    if(qty2>0){  
        out.print("ITEM Sold");  
    }  
    else  
    {  
        out.print("Not Enough items available in stock");  
    }  
    %></p>
```

```
</div>
```

```
</section>
```

```
<section class="container">
```

```

```

```
</section>
```

```
</div>
```

```
</div>
```

```

        <section class="container text-center">
            <div class=" col-lg-offset-0" >
                <a class="button" href="/sell.jsp">Sell more items</a>
            </div>
        </section>

<!--
=====
----->
    <script src="vendor/jquery/jquery-3.2.1.min.js"></script>
<!--
=====
----->
    <script src="vendor/animstition/js/animstition.min.js"></script>
<!--
=====
----->
    <script src="vendor/bootstrap/js/popper.js"></script>
    <script src="vendor/bootstrap/js/bootstrap.min.js"></script>
<!--
=====
----->
    <script src="vendor/select2/select2.min.js"></script>
<!--
=====
----->
    <script src="vendor/daterangepicker/moment.min.js"></script>
    <script src="vendor/daterangepicker/daterangepicker.js"></script>
<!--
=====
----->
    <script src="vendor/countdowntime/countdowntime.js"></script>
<!--
=====
----->
    <script src="js/main.js"></script>
    <script src="js/grascale.min.js"></script>

</body></html>
```

LOGOUT **logout.jsp**

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
<title>Insert title here</title>
</head>
<body>

    <%
request.setAttribute("name", null);
%>

    <jsp:forward page="login.html">

</body>
</html>
```

CHAPTER 10 REFERENCES

Books References

1. Introducing Microsoft .NET, Second Edition author David S. Platt.
2. Joe Mayo, “**Microsoft Visual Studio 2010: A Beginner's Guide**”, Tata McGraw Hill, 2010.
3. Alex Mackey, “**Introducing .NET 4.0: With Visual Studio 2010**”, Press, USA, 2010.

WEBSITES

1. <http://www.msdn.net/>
2. <http://www.w3schools.com/asp.net/>
3. <http://www.cramerz.com/aspdotnet>
4. <http://www.dotnetspider.net/>
5. <http://www.stackoverflow.com>
6. <http://www.codeproject.com>