**OBJECTIVE:**

**ONLINE ELECTRONIC SHOPPING** the “E-commerce portal**”** has been developed to override the problem prevailing in the practicing manual system.

This software is supported to eliminate and, in some cases, reduce the hardship faced by this existing system. Moreover, this system is designed for the particular need of the company to carryout operations in a smooth and effective manner. This application is reduced as much as possible to avoid error while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. E-commerce portal as described above, can lead to error free, secure, reliable and fast management system. This it will help organization in better utilization of resources.

**ABSTRACT:**

This Synopsis is about the structure of this project. There are following steps which are parts of the project: -

**1. INTRODUCTION**

“**ONLINE E-SHOPPING**” is an online E-commerce portal.

It is based on the other online service like “ONLINE RESERVATION SYSTEM”. In this system people who have a pc (personal computer) with internet connection can use or surf the E-SHOPPING website.

In this online shopping system, a user can use his internet connection without any difficulty. User can visit the shopping website to view the item and its description without any registering form. When user add select item to his cart then he must fill the registration form so, that his data is saved in database for future reference. If all the entries are correct then user can login again using the USERID and PASSWORD which was created by user. If the conditions are wrong then that entry will be discarded.

**2.Requirements for Project Development**

* 1. **IDE**: NetBeans, JDK 1.8

**2.2 Front End**: Html5, CSS3, JavaScript

**2.3 Technology**: Java, JSP, Servlet

**2.4 Database**: MySQL 5.5

**2.5 J2EE Server**: Apache Tomcat 8.0

**3.Technology**

**3.1** **HTML:** HTML stands for Hypertext Markup Language. HTML provide us basic elements which we need in a webpage. HTML control elements on webpage to display them on internet web browser how they are intended to look. I had used latest version of HTML which is HTML5.

**3.2 CSS:** CSS stands for Cascading Style Sheets. CSS is a style sheet language used for describing the presentation of a document written in a 3arkup language. CSS has its latest version named CSS3.

**3.3 JAVASCRIPT (JS):** JAVASCRIPT most often abbreviated as JS. It is a high-level, interpreted programming language. Alongside HTML and CSS, JavaScript is one of the three core technologies of World Wide Web content engineering. It is used to make webpages interactive.

**3.4 JAVA SERVER PAGE (JSP):** Java Server Pagesis a technology that helps software developers create dynamically generated web pages based on HTML, XML, or other document types. Released in 1999 by Sun Microsystems, JSP is similar to PHP and ASP, but it uses the Java programming language.

**3.5 Servlet:** A servlet is a Java programming language class that is used to extend the capabilities of servers that host applications accessed by means of a request-response programming model. Although servlet scan responds to any type of request, they are commonly used to extend the applications hosted by web servers.

**3.6 JAVA:** java is a technology. java is a general-purpose computer-programming language that is concurrent, class-based object-oriented 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. first version of java was jdk1.0 in 1995 and latest version of java is jdk10 released in march 20,2018.

**3.7 SQL:** SQL is stands for Structured Query Language. It is a domain specific language used in programming and designed for a managing data held in a relational database management system(RDBMS). SQL is a standard language for storing, manipulating and retrieving data in databases. Some standard SQL commands such as Select, Insert, Update, Delete, Create, and Drop can be used to accomplish almost everything to do with a database.

**3.8 Apache Tomcat 8.0:** Apache Tomcat allows the implementation of Java Servlets and Java Server Pages (JSP) to promote an effective Java server environment. Users can also access resources for configuration and use extensible markup language (XML) to configure projects. Successive versions of Apache Tomcat have solved different problems by applying software patches and other solutions. Some experts characterize Apache Tomcat as a product offering a runtime shell for Java Servlets. Users can also set up Java virtual machines (JVM) to configure virtual hosting.

**4.PRESENT STATUS OF PROJECT**

Development of project is running very progressively. User registration form and login form is completed. Users can use their data like user id and created password to use view item added in cart, delete item added in cart. Password is completely secured.

**5. CONCLUSION**

Latest version of every technology used in this website. It also takes care of the SQL injection and stores crucial data in an encrypted form. This website completely takes care of your information and your data is secure and this website is easy to use.

**Overview of Project:**

The online shopping system created for purchasing any item present in the website. It has following stages:

* Register
* Add to cart
* Purchase
* Payment
* other parts

**Advantages of online shopping System:**

1. It saves paper**.**
2. It saves time and It is more secure.
3. Online shopping is environment friendly.

**SYNOPSIS**

**ONLINE ELECTRONIC SHOPPING**

**A PROJECT REPORT IS SUBMITTED**

**TO**

**GURU NANAK DEV INSTITUTE OF TECHNOLOGY**

**SECTOR-15 ROHINI,**

**DELHI-110089**

**FOR PARTIAL FULFILLMENT OF THE REQUIREMENT**

**FOR THE AWARD OF THE DIPLOMA**

**OF**

**COMPUTER ENGINEERING**

**BY**

**NAME - MAHESH KR SHARMA**

**ROLL NO. - 1504051027**

**UNDER THE GUIDANCE**

**OF**

**H.O.D**

**Mr. SUSHIL SIR**