**Focp II**

**Project File**



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**Java Project**

**On**

***Inventory Management System***

**Logo, company name

Description automatically generated**

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**INTRODUCTION**

* [Inventory management](https://www.unleashedsoftware.com/inventory-management-guide) is essentially a variety of techniques, tools and technologies that a business uses to manage and control their inventory.
* For all inventory-centric businesses, inventory management software is an essential and valuable tool. It is what controls the flow of stock in and out, it maintains the correct inventory levels for all items and stock
* E-commerce, also known as electronic commerce, is the buying and selling of goods (or services) electronically on the internet. It can also refer to other online activities.
* E-commerce is an essential part of many businesses that rely on the sale of physical products or services online.
* Ecommerce is a huge part of the economy and is vital to businesses that sell their products or services online.
* Ecommerce gives businesses the ability to reach more customers than traditional retail reaches. With so many people making their purchases online, It is the fastest-growing retail market.
* Ecommerce offers consumers a more convenient way to shop for the products or services they need without having to visit a retailer's physical location to make a purchase.

**PROBLEM STATEMENT**

Inventory Management System : Create a Java Application to store manage an inventory store. Create appropriate class to denote an item and user. Store all the items in an array

Definition of done:

1. The system should ask user name and password. If user is an admin open admin portal otherwise open user portal
2. The system should give user the option to purchase multiple items from all the available items.
3. The system should give admin the option to add, delete and update an item.
4. Store the information in file named inventory.txt

**Software Requirements**

**Eclipse** is an integrated development environment (IDE) used in computer programming. It contains a base workspace and a extensible plug=in-system for customizing the environment. The Eclipse IDE is famous for our Java Integrated Development Environment (IDE), but we have a number of pretty cool IDEs, including our C/C++ IDE, JavaScript/TypeScript IDE, PHP IDE, and more.

You can easily combine multiple languages support and other features into any of our default packages, and the Eclipse Marketplace allows for virtually unlimited customization and extension.

It can also be used to develop documents with [LaTeX](https://en.wikipedia.org/wiki/LaTeX) and packages for the software [Mathematica](https://en.wikipedia.org/wiki/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.

It provides us with the features to make coding much easier and effective. It is Constraint logic programming (CLP) system, consisting of runtime core, collection of libraries , development environment, interfaces to third-party solvers.

Development Environment

Tkeclipse development GUI n both Unix and windows.

Traditional command – line based development system also supported.

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MySQL is currently the most popular database management system software used for managing the relational database. It is open-source database software, which is supported by Oracle Company. It is fast, scalable, and easy to use database management system in comparison with Microsoft SQL Server and Oracle Database. It is commonly used in conjunction with [PHP](https://www.javatpoint.com/php-tutorial) scripts for creating powerful and dynamic server-side or web-based enterprise applications.

It is developed, marketed, and supported by **MySQL AB, a Swedish company**, and written in [C programming language](https://www.javatpoint.com/c-programming-language-tutorial) and [C++ programming language](https://www.javatpoint.com/cpp-tutorial). The official pronunciation of MySQL is not the My Sequel; it is **My Ess Que Ell***. However, you can pronounce it in your way.* Many small and big companies use MySQL. MySQL supports many Operating Systems like [Windows](https://www.javatpoint.com/windows), [Linux](https://www.javatpoint.com/linux-tutorial), MacOS, etc. with C, C++, and [Java languages](https://www.javatpoint.com/java-tutorial).















