

Inventory Management System

Software User Documentation

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1. Overview

This Software User Documentation will encompass how to operate the software distributed along with this documentation as well as its purposes, some common errors and pitfalls that may occur, along with how to fix those errors, some standards of operations required, setting up and uninstalling the product.

1.1 What is the Inventory Management System

The Inventory Management System is a software solution that provides immediate searchable access to all inventory items within a facility input within it. By searching for custom flags or keywords, filtering by categories or purposes the Inventory Management System eases the finding of items in a product catalogue to streamline inventory inquiries during stressful situations where the store might be incredibly busy. The intended purpose is an inventory product catalogue with the structure to grow as needed with further modification into a complete inventory solution accommodating sales and analytics.

1.2 Definitions and Abbreviations

- User: Person who employees software to perform a task, particularly the personnel or management of the business owning this product.
- Software Product: One or more computer programs together with any accompanying ancillary non-electronic, non-mechanical items such as documentation and worksheets, delivered under a single name for use by others.
- IMS: Inventory Management System

2. What's on the CD?

1. This user manual
2. InventoryManagementSystem.bat
3. InventoryManagementSystem.jar
 - a. This is the main program
 - b. It will require Java to operate
4. Lib folder
 - a. Contains necessary components for the functionality of the Inventory Management System
5. Database folder
 - a. Contains all necessary mock data for setting up login permissions, some inventory items to play with the product before using it.

2.1 Installing Java

Navigate to www.java.com. It's normal for them to have a "Free Java Download" button on their main homepage. Oracle, the company that delivers java accompanies you every step of the way with detailed instructions on how to proceed next. Once you're installation of Java is complete, you're ready to begin installing the product itself.

2.2 Installing the Inventory Management System

Merely open the InventoryManagementSystem.bat file, it will copy all necessary files to a folder on your desktop called “IMS” you can relocate this file to wherever you like, you will open the program using InventoryManagementSystem.jar found within that folder. There are no registry files or other system-dependent trace files installed. To uninstall the product you can merely delete the IMS folder that houses all the files.

2.3 Initial User Login and Management Credentials

Root Manager login name : KCC
Root Manager login password : KCC

Root Supervisor login name : KCC2
Root Supervisor login password : KCC2

3. Operating the Inventory Management System

3.1 Select View by Category

There are three selectable tabs on the left side of the IMS interface: “Inventory,” “Vendors,” and “Royalties.” The “Inventory” tab displays a list of categories. Clicking a category will populate the main display area with every inventory item belonging to that category. The “Vendors” tab displays a list of vendors by name. Clicking a vendor will show that vendor’s information at the top of the screen, and the main display area will be populated with all of the inventory items supplied by that vendor. The “Royalties” tab displays royalty information by name. Like vendors, clicking a name will display the royalty information at the top and all inventory items that are associated with that royalty in the main display area.

3.2 Using the Search Bar

At the top of the IMS interface is a search bar. Simply type your search term and hit “enter” or click the search icon to the right of the search bar. While browsing the “Inventory” tab, all inventory items containing the search term in their title or description will be displayed. While in the “Vendors” or “Royalties” tab, only items belonging to the selected vendor or royalty will be shown.

3.3 Logging In

Click the gear icon at the top-right of the screen and select “Log In” to log in. You will be prompted for a username and password. If you enter a valid combination, the words “Please Log In!” will be replaced with “Hello, [user]!” To log out, select the gear menu again and click “Log Out.” Note that different user levels have different privileges.

3.4 Editing the Database

Users of adequate level can edit existing database entries by right-clicking on them in the IMS and selecting “Edit Item.” They can also delete an entire row by selecting “Delete Row.” They can click the gear menu at the top right of the screen and select “Add Inventory” to add a new

inventory item to the database, “Add Vendor” to add a new vendor, or “Add Royalty” to add new royalty information.

4. Errors and Solutions

4.1 No Data is Showing Up

Error :

In the case that opening the program no data shows up, either in the left menu tabs or in the data population area.

Possible Causes & Solutions:

- The database folder is not located in the same folder as the InventoryManagementSystem.jar application.
- The database folder file(s) were tampered with and a loss of integrity occurred. The database folder needs to be rolled back to a working version using Windows properties. An alternative is resetting the folder entirely to its beginning state located on the disc.
- Derby.jar file in the lib folder is missing, or the entire lib folder is missing. Restore this file from the distribution disc. The lib folder needs to be within the same folder of the application running.
- A managed memory corruption could have occurred. Restart the computer to redistribute new virtual memory allocation to the Java Virtual Machine and application. It may just be necessary to restart the application if the JVM as a whole wasn't compromised.

4.2 The application interface looks much different

Error :

In the case that the application no longer has the dark look and feel and/or the placement of controls and interactive objects are no longer where they were originally.

Possible Causes & Solutions:

- JTattoo.jar file in the lib folder is missing, or the entire lib folder is missing. Restore this file or folder from the distribution disc. The lib folder needs to be within the same folder of the application running.

4.3 Other errors

Any other errors that have not been mentioned above can be fixed by opening a ticket in the Github project for the Inventory Management Project, monitored by multiple developers. It is likely that they may provide further help or assistance in resolving these issues. This is not a contractual or legal binding statement. No help is entirely guaranteed as it falls outside of the Software Requirement Specification guidelines declared.