

Cargo Management System

Abstract

Cargo Management System is cargo to market the goods, to find the requires raw materials buy them. Once a raw materials is purchased. Its calculated in the bills payables settle online payments. At the time of arrival of raw material, Eletronic weighting scale is used to capture the weights of raw materials in to the computers.

The system is developed for a valid user id and password, and no body can enter the official section. Also to minimize the overhead of repeating for userid and password each and every time the user move to next page, we are using the concept of session and cookies where a user id and password are stored in temporary file which get deleted automatically as user logs out. Like this there is no need to enter the userid and password on each and every page also protecting it with asking for user id and password as a login page.

Existing System

In the existing system everything is manual. Occurrence of errors is more while accessing the data. Data maintenance creates a problem. Editing or modifying a record required way is not possible. Creation of entries and reports is problematic. The system is irregular and inefficient due to lack of uniformity.

Proposed System

To overcome the difficulties of an offline system, which requires lot of human intervention and lot of time and money, cargo maintainances is looking for web application over Internet. The computerized “Online System” has many benefits over the manual system. The time consumption in achievement of tasks in case of computerized system is much less than the manual system. Maintenance of number of files is generally reduced. Cost of retrieving the data is reduced.

Retrieving the data in a desired manner is possible. Manual work is reduced. Retrieval and access of data is easy. Transactions are processed quickly and easily. Information sharing becomes quite easy.

Scope of the System

The proposed system scope is limited to Intranet only. In future it can be enhanced to be a global communication medium for multinational companies. We can also implement internationalization (i18n) to

support user interface in various/local languages.

Module Description

The system "Cargo Management " consists of 5 modules.

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1. Vender
2. Cargo Manager
3. Inspection Manager
4. Storage Manager
5. Manufacturer

1. vendor

ROLE: A person who provides the goods to that company.

Responsibilities:

- 1) he/she have to register
- 2)_he/she have to take ID,Password
- 3) Receives request from cargo manager

4) send response to cargo manager

2. Cargo Manager

ROLE: Cargo manager is nothing but the person who maintains the company in order to increase their profits.

RESPONSIBILITIES:

- 1) He/she have to login
- 2) He/she take the information from the inspection manager about the raw material.
- 3) He/she have to select the vender
- 4) Sends the request to the vender about the required rawmaterial.

3 . Inspection Manager

ROLE: These are middle man between the cargo manager and storage manager.

RESPONSIBILITIES:

1. login in the website
2. receives the raw material from the vender
3. Collect the defect goods and sends back to cargo manager.
4. Verify with the store manager about the required raw material.

4. Storage Manager

ROLE: He/she take care of storage details.

RESPONSIBILITIES:

1. Login in the website
2. Get the raw material from Inspection manager.
3. Sends request to the inspection manager about the goods

Payments bills will have to bill payments

5. Manufacturer

ROLE: Manufacturer is nothing but the source who manufacture the goods.

RESPONSIBILITIES:

1. Login in the website
2. Request the raw material need for the required stock to the storage manager

Send the response to the inspection manager bout the receives raw materials

Features to be implemented

- *Session management*
- *Connection pooling*
- *Normalized database*

- *Prevention of duplication login*
- *Design patterns*
- *Three-tier architecture*
- *Maintainability*
- *Easy deployment with Ant script.*
- *Exception handling*
- *Client-side validations*

Technologies to be used

- *Web Presentation: HTML, CSS*
- *Client – side Scripting: Javascript*
- *Programming Language: Java*
- *Web based Technologies: JNDI, Servlets, JSP*
- *Database Connectivity API: JDBC*
- *Build Tool: ANT*
- *Debug Tool: Log 4J*
- *CASE tool: Rational Rose, Visual Paradigm, Enterprise Architect*
- *Backend Database: Oracle/SQL Server/MY SQL/MS Access*

- *Operating System: Windows XP/2000/2003, LINUX, Solaris*
- *J2EE Web/Application Server: Tomcat/Weblogic/Websphere/JBoss/Glass Fish*
- *IDEs: Eclipse with My Eclipse plug-ins/Net Beans/RAD*
- *Browser: IE/Mozilla*

Hardware requirements

- *Pentium processor ----- 233 MHZ or above*
- *RAM Capacity ----- 128MB*
- *Hard Disk ----- 20GB*
- *Floppy disk ----- 1.44 MB*
- *CD-ROM Drive ----- 32 HZ*
- *KEYBOARD ----- 108 Standard*