WAREHOUSE MANAGEMENT SYSTEM

Description:

The objective of a warehouse management system is to facilitate the process of supply chain management. The software keeps track of all the commodities in the warehouse, their source(supplier) and their destination(retailer). The manager will receive invoices from the supplier. The employees working in the warehouse can thus receive their work orders from the manager and accordingly they do the needful.

The scope of this product is immense. If deployed, it can be sold as a SaaS to various different warehouses which require its use for their daily activities.

Functionalities:

Designing a warehouse management system from the perspective of a distributor. It will allow the authenticated distributor to add supplier and customer data and modify the same using present entries in their respective databases. The application will contain the feature of adding real-time entries into the inventory database and introducing additional insights into warehouse-space management by keeping track of customer work orders. Modification of inventory stats will also be available, which contain the Inventory code, description, cost per unit etc.

The application also collects the details of the vehicles and the trips they make which can be sold to the supplier so that they can reduce transportation costs. It will also keep track of outgoing vehicles containing customer inventory.

There will also be a feature of generating an invoice to be given to the retailer by the distributor, to help him realise the financial and logistics requirements. All the work orders and invoices can be viewed by the manager.

Software Requirements:

- Front-End: Visual C#
- Backend: Visual C#
- Database: SQL
- IDE: Visual Studio

Hardware requirements:

- Processor: Intel dual core or above
- Processor speed: 1.0GHZ or above
- RAM: 1 GB RAM or above
- Hard disk: 20GB hard disk or above

Submitted by -

Name	Roll Number	Registration Number	Semester and Branch	Section
Akshat Tulsani	60	170953250	V (CCE)	B
Aashal Kamdar	69	170953290	V (CCE)	B
Akash Hegde	71	170953300	V (CCE)	B
Krutika Deshpande	74	170953318	V (CCE)	B