GO Inventory

OBJECTIVE:

The Main goal of this System is that it integrates the business of a large organization in software which enables to manage business from any part of the world.

Now-a-days every organization is centralized. So they are maintaining the all information in distributed manner as centralized system. This application also maintains the data in a distributed manner.

This system provides superior management over inventory by optimizing inventory stocking levels for excellent customer service. It maintains the all information about the organization regarding employees, departments, Branches, different stock levels etc.

Proposed System

- The development of this new system contains the following activities, which try to automate the entire process keeping in the view of database integration approach.
- User Friendliness is provided in the application with various controls provided by system Rich User Interface.
- The system makes the overall project management much easier and flexible.
- It can be accessed over the Intranet.
- The employee information can be stored in centralized database which can be maintained by the system.
- This can give the good security for user information because data is not in client machine.
- Authentication is provided for this application only registered Users can access.
- There is no risk of data management at any level while the project development is under process.
- The automated system will provide to the employees for reliable services.
- The proposed system using web services, a web service can get the information from other sources also.
- There no burden of calculating water, electric, house tax bills in this system, by sending a request to the particular authority via web service we can get all the information regarding these issues.

Benefits of the System

Lowering of Costs

Many companies invest huge amounts of money for his or her inventory. Obviously if they tend not to, they will not be able to run their enterprise smoothly enough. Nevertheless, should you use the top inventory system, you are able to cut down all extra fees by not stuffing up the storage space with unnecessary supplies. Furthermore, the system program can even help you in evading lost product sales since you will have satisfactory material continually, and never have to carry anything needless.

High Efficiency

The most effective inventory system products raise your operating performance which leads to more productivity. You could do since the program performs many assignments such as information collecting, estimations and information preservation. Since the probability of blunders is minimized, effectiveness increases. This time saving on your part which you'll use for various other tasks.

Limitations of the System

Most inventory control software program apps cost extremely high, and price is definitely an issue for small and medium sized businesses. The hardware costs within the relation to bar code viewers along with elements could add on the expense. Even so, might a onetime cost solely. When you are it, you are able to recover this cost for the reason that system aids you in preserving funds in other aspects.

Inventory control software program makes easier your organization operations, in itself, is a pretty complex product. Grasping the basic principles is difficult and time intensive too, of course, if you aren't getting the total grip than it, maybe you wouldn't be able to use it properly enough. There are tons of education guides accessible to help you normally indicate. The corporation which sells the program for you can also conduct exercise sessions with your request, but may ask for a different price. As long as you are going to put time into this, it is possible to get rid of this hurdle.

BACKGROUND:

Inventory is a list for goods and materials, or those goods and materials themselves, held available in stock by a business. It is also used for a list of the contents of a household and for a list for testamentary purposes of the possessions of someone who has died. In accounting inventory is considered an asset.

Inventory management is primarily about specifying the size and placement of stocked goods. Inventory management is required at different locations within a facility or within multiple

locations of a supply network to protect the regular and planned course of production against the random disturbance of running out of materials or goods. The scope of inventory management also concerns the fine lines between replenishment lead time, carrying costs of inventory, asset management, inventory forecasting, inventory valuation, inventory visibility, future inventory price forecasting, physical inventory, available physical space for inventory, quality management, replenishment, returns and defective goods and demand forecasting.

Existing System

- The existing system is a manual system. Here the employees needs to save the information in the form of excel sheets or Disk Drives.
- There is no sharing is possible if the data is in the form of paper or Disk drives.
- The manual system gives us very less security for saving data; some data may be lost due to mismanagement.
- It's a limited system and fewer users friendly.
- Searching of particular information is very critical it takes lot of time.
- The existing system interface doesn't have the capability to provide product hierarchy.
- Differentiating the products, supplied companies, and their brands is a tough job.
- Calculating the stock details using manual interface will cause different mistakes.

Scope of the System

Inventory management being a very important concept in all the company's having a void coverage often calls for the managerial attention. In the modern times inventory management has become the integral part of the all companies. So all the firm gives special importance for inventory management. The major objective of the study is to examine the effectiveness of inventory management system adopted by industry; the study mainly focuses on the techniques used by the company to control the inventory.

FUNCTIONAL REQUIREMENT:

- Administrator
- Employees
- Inventory Management
- Search
- Reports

- Authentication

Administration

Administration is the main person of this system. He can have all the privileges to do anything. Administrator can add company master, branch master, product master, different kind of brand items into the system. Admin can manage employees also. Admin generates the different kinds of reports also. And he can do search regarding how much current stock is. Administration can also have the right to add suppliers' data.

Employees

This is the module employees will perform some functionalities like to add the stock details. And they can manage their personal information.

The reasons for keeping stock

There are three basic reasons for keeping an inventory

- **Time**

The time lags present in the supply chain, from supplier to user at every stage, requires that you maintain certain amount of inventory to use this lead time.

- **Uncertainty**

Inventories are maintained as buffers to meet uncertainties in demand, supply and movement of goods.

- **Economies of Scale**

Ideal condition of one unit at a time at a place where user needs it, when he needs it principle tends to tends to incur lots of cost in terms of logistics. So bulk buying, movement and storing brings in economies of scale, this inventory.

NON-FUNCTIONAL REQUIREMENT:

Scalability - The system can be scalable from small to a large business.

Reliability –

i. The System must give accurate inventory status to the user continuously. Any inaccuracies are taken care by the regular confirming of the actual levels with the levels displayed in the system.

ii. The System must successfully add any recipe, ingredients, vendors or special occasions given by the

user and provide estimations and inventory status in relevance with the newly updated entities.

iii. The system must provide a password enabled login to the user to avoid any foreign entity changing the data in the system.

iv. The system should provide the user updates on completion of requested processes and if the requested processes fail, it should provide the user the reason for the failure.

v. The system should not update the data in any database for any failed processes.

Performance –

i. The system must not lag, because the workers using it don't have down-time to wait for it to complete an action.

ii. The system must complete updating the databases, adding of recipe, ingredient, vendor and occasions successfully every time the user requests such a process.

iii. All the functions of the system must be available to the user every time the system is turned on.

iv. The calculations performed by the system must comply according to the norms set by the user and should not vary unless explicitly changed by the user.

Usability –

i. The system must be easy to use by both managers such that they do not need to read an extensive amount of manuals.

ii. The system must be quickly accessible by both managers.

iii. The system must be intuitive and simple in the way it displays all relevant data and relationships.

iv. The menus of the system must be easily navigable by the users with buttons that are easy to understand.

Security requirement - The system should take care of all required security of data and intellectual property of the organization etc.