Smarter Space Management System

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Abstract—Now a day the manufacturing of goods are increased day by day very quickly. One of the reasons for fast manufacturing is technology improvements. Before the goods are supplied to the markets they should be stored in the godowns for some days. So efficient management of storage space is necessary. For example the client ABC is Carrying & Forwarding(C&F) agent, where the manufactured/shipped goods of various MNC’s are parked before it leaves for the wholesale market. Due to the increase of customers for C&F activities and lack of his go down space, the client wants to innovate an application which smartly manages his go down space without losing his business.

Index Terms—Purpose of the system, existing system, proposed system, architecture, modules.

I. INTRODUCTION

The client ABC is Carrying & Forwarding(C&F) agent, where the manufactured/shipped goods of various MNC’s are parked before it leaves for the wholesale market. Due to the increase of customers for C&F activities and lack of his godown space, the client wants to innovate an application which smartly manages his godown space without losing his business.

1.1 Purpose of the 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.

Its more are like the allotted Godown space itself talking to the allotted company about its availability and capacity so that the company can send their goods/shipment based on the notification and there won’t be any loss of business or the space remaining vacant. Save the time and no loss in business.

Advantages:
1. Reduced entry work
2. Easy retrieval of information
3. Reduced errors due to human intervention
4. User friendly screens to enter the data
5. Portable and flexible for further enhancement
6. Web enabled, Fast finding of information requested

II. ARCHITECTURE DIAGRAM
III. MODULES
The project has been divided into 7 different modules:
1. Administrator
2. Store Manager
3. Customer
4. Mails
5. Feedbacks
6. Security & authentication (Registrations)
7. Reports.

Users of the System:
1. Administrator
2. Store Manager
3. Customer
3.1 Administrator Module
- Secure registration of users (including Godown manager, vendor/supplier, Accountant and Inventory Manager).
- Maintain the Details of Companies for the purpose of carrying and forwarding.
- Maintain the space details in godowns.
- Maintain the details of shipping details of goods.
- Maintaining all the details of godown efficiently.

3.2 Store Manager:
- Maintaining the Godown Space details.
- Maintain Records about the shipping details.
- Inform to the Company about the shipping goods details.

3.3 Customer:
- Reserve for the goods store in the godown.
- Make to inform for the shipping date for their goods in advance.
- Make a payment for shipping storing the goods in godowns.

3.4 Mails:
- Customer is going to send the mail to the store manager how much space the need.
- Store Manager is giving the reply to the customer is it available or not.
- When they want to dispatch the goods put a mail to the store manager or admin.
- Store manager or admin is going to dispatch out goods they put a mail to customer.

3.5 Feedback:
- Based on services customer is going to give the feedback about services.

3.6 Security & Authentication:
- Registrations for customers and store managers.
- View lists of customers, store managers.
- Users Login, logout.
- View personal Profiles, Update profiles.
- Change Passwords.

3.7 Reports:
- Admin must be able to data in reports in excel sheets.
- Reports should be elaborate for all the users.

IV. SCREENSHOTS
Home page:

Admin page:
Dispatch outgoing details page:

Customer registration page:

View Profile page:

V. CONCLUSION

The SSMS was successfully designed and is tested for accuracy and quality. During this project we have accomplished all the objectives and this project meets the needs of the organization. The developed will be used in searching, retrieving and generating information for the concerned requests. This SSMS has mainly the following advantages they are Reduced entry work, Easy retrieval of information, Reduced errors due to human intervention, User friendly screens to enter the data, Portable and flexible for further enhancement, Web enabled and Fast finding of information requested.

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