INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREMS)

www.ijprems.com
editor@ijprems.com

Vol. 03, Issue 06, June 2023, pp : 180-183

e-ISSN : 2583-1062

Impact Factor : 5.725

CARGO BOOKING SYSTEM

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ABSTRACT

Transporting various goods from one place to another is known as Cargo. Cargo consists of bulk of goods conveyed by water, air or land. The customer must required information about the current status of cargo to know if it is either on transit or delivered to the appropriate destination. The current process is time consurning and needs a lot of man power as well. Interaction of the customer with the shipping cornpanies are very high. Having a manual system takes time to respond. In order to overcome these issues, Cargo Booking System was proposed to develop. This will overcome the in effciency, time consuming and work load of the workers.

Cargo booking software will manage the goods of Supplier in the warehouse. This software will be used by supplier user and Warehouse admins of different Warehouses. This product will allow the supplier to keep an eye on the goods that he has in Warehouses. This System is developed to help the people so they will get the information related to cargo containers for their inventory transportation, from this application people will be directly able to interact with the ship owner saving their time.

This Application is also useful for the ship owner for their ship promotions and managing the availability of ship space. Most of the convanies still rely on Microsoft office packages to handle and store data and resent large amount of office space in order to store hard copies of the shipments. This product will allow the supplier to keep an eye on the goods that he has in Warehouses. The Warehouse Login will allow warehouse to accept goods, check condition of goods if its damaged then system will reorder the same good. And it will create a gate pass for the Cargo. It calculate weight, cost of transportation charges and others things of cargo, and will make entry of it. The admin has overall rights over the system and can moderate the

1. INTRODUCTION

Shipping Industry- has become one of the most competent and changing industries throughout the past years. Shipping companies are in a cornpetition

to cater their clients with effective and mote productive way rather than handling large numbers of documents/information back and forth with the customers. Information is very confidential, such as Payments, charges and most importantly their Agenes Information. Because of that, companies are under increasing pressure to manage information securely and in the meantime, provide a service in a productive way using limited resources. Almost all corporate body requires goods to be moved or distributed from one location to another, be it raw materials or manufactured goods. Also in day to day activities there arises the need to move assets from one location to another by air, land or sea. The destination for these goods ranges from states, countries and continents and may take hours, days, weeks or even months to reach. This observable fact brought about the need for owners to monitor the progress of their goods along the distribution network. Besides its role in providing information on shipment status, tracking can also have an impact on supply chain management as it provides the possibility of creating visibility or transparency to the material flowing in the supply chain. A comprehensive tracking system would enable a company to monitor the arrival critical components and plan its operation based on the estimated arrival of these components. Cargo booking system will manage the goods transportation. This software will have Admin Login and Users Login. The admin Login will allow to accept goods, check condition of goods if its damaged then system will reorder the same good. And it will create a gate pass for the cargo. It calculate weight and others things of cargo, and will make entry of it. The admin has overall rights over the system and can moderate the process. These modules will help each segment of people to

2. LITERATURE REVIEW

This part of the project describes the theoretical background of this project. Following researchers previously worked on modeling of user interest for various industries which is discussed below:

1. Courier Management System is the simplest solution for Courier & Cargo Tracking Business. VV[T]hile taking orders from its customers, it will take all the details of its customers mobile number. During billing process, system generates a consigmnent number for their who is placing the orders and all the details for the recipient such as its address, name, products. Through this consignment no. customers or its recipient will able to track their products from any location using internet. It will provide status Of the product after placing orders. This Courier Management System project will provide information recipient with following detail — where the

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content consignment is, till when it will reached its final destination, date of placing consignment , final date to reach its destination.

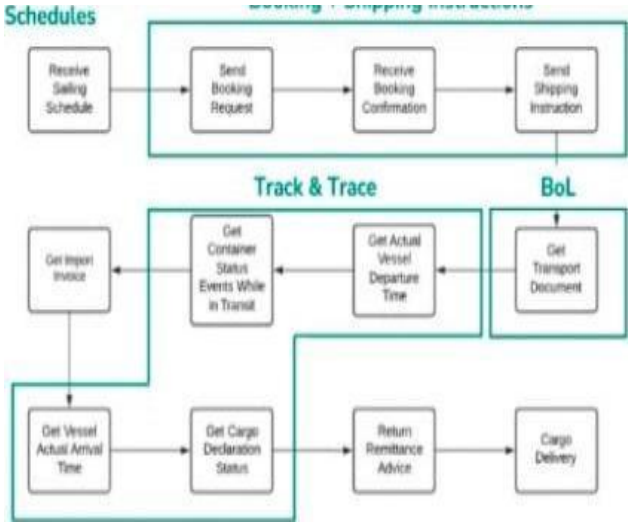
2. Courier Information This Project deal with the courier management. The System is used for daily activities such as booking, non delivery, out return, company details, and pickup center. It is very difficult to do this process manually. Hence it is recommended to computerize the process by developing the relative software as the world is turning into information computerization becomes necessity in all walks of life.
3. Wu proposed a system that included cargo tracking with an interaction with client computers, an application server and a database all connected to a network. They also used an information maintenance module within the application server to generate records and export files as well as having a tracking module to deal with errors and messages from client computers.
4. Peel et al. also worked on a tracking system for shipping containers, in which they are connected for data transmission using satellite technology via terminals attached to each container that provides information about the location and detects any intrusion that might occur.
5. Braun invented a system that can be used to monitor the cargo transport process by know more about their cargo logistics. Users can book the cargo, Admin can fix the prices for cargo and customers can track their cargo. Apalt from this many reports are provided to manage whose business

   using an onboard device attached to the containers. The onboard device consists of a sensor/processor with an antenna attached to the containers that

3. COMMUNICATET

Vesse V Sailing

Booking + Shipping Instructions



Proposed System

The proposed cargo booking system application performs multi-task in effective booking of cargo companies. The major aim of the generated application from the project is to reduce the manual work and provide fast, comfortable, reliable and effective service. The software can record data in the database, display billing details, inquire modules, and many more. As the implementation of software in cargo agencies reduces the number of workers and paper works, it ultimately minimizes the overall expenditure of the company. Moreover, it helps the company in its promotion though web technology. Cargo Booking application provides an efficient solution of maintaining a good interaction with the clients and database of the Users, stocks, reports etc. depending upon the requirement of the organization. This paper presents a viable system for Cargo Booking System. It aims to find the location where exactly it is at an instance of time, from the time of shipment to the time of delivery. The system has a developed web-based application that facihties its management and provides useful information about the shipment. A complete prototype of the proposed system was implemented and tested to validate the system functionality. The results show that the system is promising for on line Cargo Booking. It calculate weight and others things of cargo. The admin has overall rights over the system and can moderate the process

4. EXISTING SYSTEM

In existing system is traditional cargo booking system is completely manual and hence, tedious and much time consuming. There is a high chance of losing and delivering the items to wrong recipients due to misplacement of a

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single paper. So, a computerized and cargo booking system is an ultimate solution to such problems in Cargo-related systems. Existing system is very complicated to keep the track of all registers and handle them manually. As well as this work is time consuming & also expensive in this system report work may be not accurate and not fastest. To avoid all these limitations and make the working more accurately the system needs to be computerized. There are some Drawbacks of the existing system:

- Time consuming
- More expensive
- Searching problem
- Less accuracy

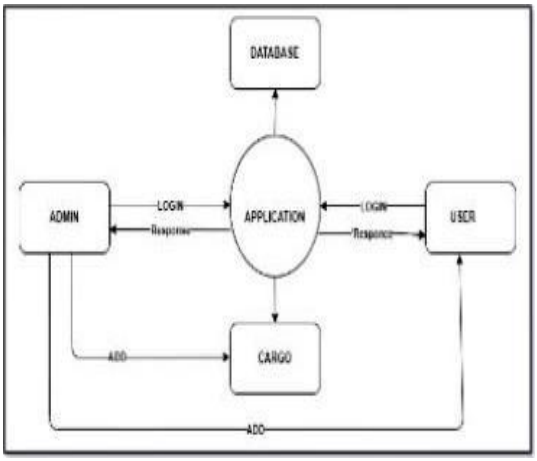
DFD level 1:

Level 1 DFDs are still a general overview, but they go into more detail than a context diagram. In level 1 DFD, the single process node from the context diagram is broken down into sub-processes. As these processes are added, the diagram will need additional data flows and data stores to link them together. Level I DFD also mentions basic processes and sources of information.

It provides a more detailed view of the Context Level Diagram.

- Here, the main functions carried out by the system are highlighted as we break into its sub-processes.

  In level 1 DFD, the single process node from the context diagram is broken down into sub processes. As these processes are added, the diagram will need additional data flows and data stores to link them together. In the Crago Booking System, process with the flow of information between User and System.



5. ADVANTAGES AND DISADVANTAGES

Advantages:

1. Reduce Workload and Overhead
2. Easy To Use
3. Saves time
4. It reduces the time and manpower required for Booking
5. It reduces the paper work in existing system, hence it is economical and efficient.
6. This system is very secure, user-friendly, and reliable
7. Better internal control,
8. Access to authorized personnel only.
9. New system decrease the chances of error.
10. The new system required less tinie for completion of any work.
11. Fast and easy way of Ordering Cargo.
12. Admin can view and locate Cargo.
13. Admin can view all reports and analyze
14. Easily Accessible
15. Secured
16. Flexibility
17. Reliable and Efficient

Disadvantages Slow Internet Connection.

6. CONCLUSION

The proposed web application for Cargo booking System is a solution to current problems regarding transaction and data recording in cargo booking. The implementation of this project reduces the over expenditure of such cargo booking and makes economical balance. The 'Qu•go Booking System" application is designed very well. The project utilizes the Web based technologies and serves as a very good foundation for this application. Although the system shows a need of several improvements, the fundamental information goal of exploring and familiarizing the technologies is achieved with great satisfaction. Having a manual system takes time to respond. In order to overcome these issues, Cargo Booking System was proposed to develop. This will overcome the inefficiency, time consuming and work load of the workers.

7. REFERENCES

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