

# TRUCK BOOKING PROJECT WITH INVOICE GENERATOR FOR TRANSPORTATION

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**Abstract** - The operation of transportation determines the efficiency of moving products. The progress in techniques and management principles improves the moving load, delivery speed, service quality, operation costs, the usage of facilities and energy saving. Transportation takes a crucial part in the manipulation of logistic. Reviewing the current condition, a strong system needs a clear frame of logistics and a proper transport implements and techniques to link the producing procedures. The basic objective is to create a website that provides transportation and logistics services online with a bill generator. The research was undertaken to assist logistics managers, researchers and transportation planners to define and comprehend the basic views of logistics and its various applications and the relationships between logistics and transportation.

**Key Words:** Transport, Invoice generator.

## 1. INTRODUCTION

Since logistics advanced from 1950s, there were numerous researches focused on this area in different applications. Due to the trend of nationalisation and globalisation in recent decades, the importance of logistics management has been growing in various areas. For industries, logistics helps to optimise the existing production and distribution processes based on the same resources through management techniques for promoting the efficiency and competitiveness of enterprises. The key element in a logistics chain is transportation system, which joints the separated activities. Transportation occupies one-third of the amount in the logistics costs and transportation systems influence the performance of logistics system hugely. Transporting is required in the whole production procedures, from manufacturing to delivery to the final consumers and returns. Only a good coordination between each component would bring the benefits to a maximum.

The purpose of this project is to re-clarify and redefine the position relationship between transportation and logistics systems through collecting and analyzing various application cases and practices in logistics from literatures. It is to provide a general framework and expect to be referred for further development and researches. The project started from introducing the development of logistics and transport-related sectors based on a historical review. Afterwards it discussed the interrelationships of transportation and logistics. It expresses the benefits that transportation brings to logistics activities and vice versa. For instance the increase of the efficiency of logistics also would bestead to release traffic load in the urban areas. Furthermore, some major logistics activities and concepts were also discussed in this project.

## 2. PROBLEM DEFINATION

To develop a website for a private transport company and to generate invoice and handle all their business over the network and to reduce their work, save time rather than manually generating invoice.

## 3. METHODOLOGY USED

The methodologies we have used to develop the user interface of the project are:-

- i) **Bootstrap:** It is the open source toolkit for building responsive front end user interface with HTML, CSS and JavaScript. Bootstrap is world's most popular front end component library.
- ii) **HTML5:** This is the latest version of Hyper Text Markup Language (HTML) with new elements, new attributes and behaviors, and large set of technologies which allows the building of more diverse and powerful websites and applications.
- iii) **CSS3:** This is the latest standard of Cascading Style Sheets (CSS) which is basically used for styling the web pages to make it look attractive. The CSS3 includes more features like rounded corners, text shadows, background gradients, opacity.

- iv) JavaScript: It is a programming language of HTML and web. It is a prototype based, dynamic language and it supports object oriented styles and imperative styles.
- v) PHP My Admin: We have used this methodology for the backend of our project i.e. database. PHP My Admin is a free software tool written in PHP, intended to handle the administration of My SQL over the Web.

#### 4. BACKGROUND

The existing software used by the company is standalone software named BILTY which is used by to generate invoice for the Company which used the trucks for transporting goods from one place to another. As this software was built on Visual Studio and it is bit an older version regarding user interface (UI) but it has a advantage that it can be used without internet and disadvantages is that it require more human resources. This software was used to generate the invoice manually so there was a lot of manpower required and it was not very much secured.

So to overcome all these demerits of this software, we proposed a website for the company.

#### 5. LITERATURE SURVEY

| Sr. no | Parameters                              | BILTY Software | Proposed Website |
|--------|---|----------------|------------------|
| 1      | Security                                | Low            | High             |
| 2      | Invoice Generation                      | Manually       | Automatic        |
| 3      | Shows how many orders rejected/accepted | No             | Yes              |
| 4      | Graphical Representation of orders      | No             | Yes              |

**Fig-1:** Comparison of both systems

#### 6. DETAILED SYSTEM DESCRIPTION

The customer will sign in with the help of his personal details. After the customer has logged in, the data is sent to database and the data entered by the customer is verified and then customer can check the load and price there. When the administrator log in to the website, the administrator can generate the bill by using the details of the customer has entered. After the bill is generated, the total amount and the bill is shown to the customer and the delivery process starts.

The perspective of the project is to transport the goods from one place to other by using this website.

The main function of this project is to prevent the manual bill and avoid writing on paper. This project functions with the online bill generator and makes work easy for the administrator. This website is developed for the sending huge loads of goods in the transport from one place to another. The administrator can only generate the bill and can check how many orders have come on the website.

#### 7. PROPOSED SYSTEM

We as a final year students of degree in engineering are creating a website for them which will provide them to handle all their business over the network and thus this will reduce their work and saves time and moreover they can handle all their bill generating through website and can directly mail it which will be helpful to them and thus it also benefit as per case security aspects as only employees organization can login and can make changes regarding bill changing or other aspects.



Fig-2: User Interface of our proposed system

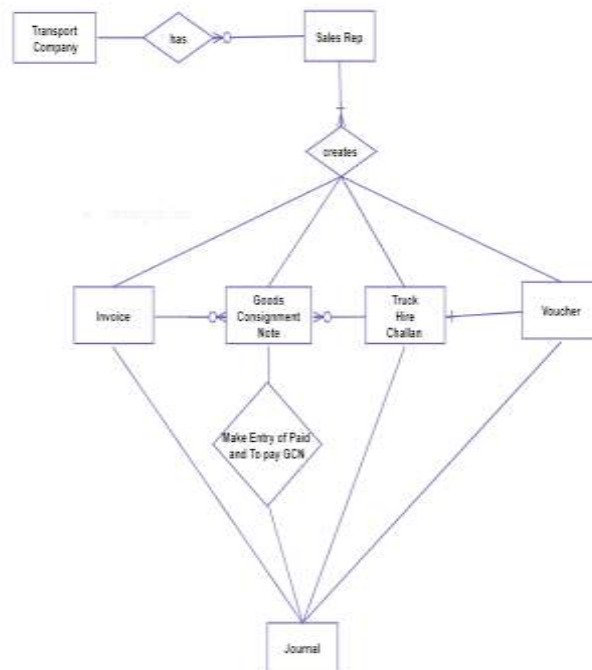


Fig-3: Flow Diagram of our website

## 8. CONCLUSION

This project covers broadly from logistic activities to transportation systems and attempts to determine the role of transportation in logistics system to extensive review. The main content of the research includes how we are pursuing our final year project and how it will be benefit to the company. The review of logistics system in a broad sense might help to integrate the advantages from different application cases to overcome their current disadvantage. On the other hand, the review of transport systems provides a clearer notion on transport applications in logistics activities. The development of logistics will be still vigorous in the following decades and the logistics concepts might be applied in more fields. The main contents of the research include a review of logistics development, the characters of various transport operations in logistics activities, the applications of logistics in various fields, city logistics, future direction in logistics development, and its cooperation with transport systems.

## 9. REFERENCES

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