



# Transport Management System

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**Abstract:** The goal of this study is to develop a transport management system that will help organizations automate their transport operations. this method will allow them to manage their various tasks and activities. The key motive of the transport management system is to assist organizations to minimize the risks related to their transport operations. it's built on a web-based platform that may be utilized by various organizations to manage their various transport operations. The main objective of the transport management system is to permit users to manage their various transport activities. It may also be an accustomed check on their goods transport and tracking their orders. The importance of transport management is immense. It involves various techniques and tools that are required to deliver a successful project. this technique will help the users in improving their planning and scheduling, reducing their time and energy, and making their work more efficient.

**Keywords :** Transport Management System, automate, accustomed, planning and scheduling

## I.INTRODUCTION

A transportation management system may be a sort of software that helps businesses plan and execute the movement of their goods. It may help them keep track of their documents and fits regulations. Transportation management systems help businesses streamline their transportation operations and improve their overall business processes. other than transportation management, a typical SCM (Supply Chain Management) system also includes other components like inventory and provide chain planning. The ability to effectively manage these various aspects of a company's operations helps businesses grow. Having a well-designed and well-equipped transportation management system can facilitate your navigate through the complex world of international trade

## II.AIMS AND OBJECTIVES

The broader goal of using a TMS is having a proper management system for these transports can help minimize the time and effort Implementing a management system for the transporter side can benefit and ensure tasks are smooth.

- To move goods from the manufacturing or stockholding point to customer locations in the fastest and most cost-effective way possible.
- To future proof your business by preparing for growth, managing change, and exploiting new opportunities.
- To improve transport trafficking.
- To ensure the efficient use of resources by the strategy.
- To improve reliability and integrity.
- To improve real-time supply chain visibility.

## III.MOTIVATION

The objective of the project was to develop a comprehensive transport management system that will help organizations improve their efficiency and manage their growth. This system will help them meet their customers' needs and improve their performance.

## IV.LITERATURE SURVEY

**Tanvir, Farhan; Refat, Shakhawat Hossain; Talukder, Md. Eram(2019)** [1] The purpose is to design a system that allows one to manage relevant information. This system allows the user view all information of services provided by the organization. The user can make a request to administrator for the cab. This system allows the user could make update to cab request. This system allows the administrator to maintain and update all information of cab service details.

**Md. Sohel Rana(2019)** [2] In this paper, we proposed a framework for public transport management system using crowdsourcing for smartphones. This system will help users to find the nearest public transport like bus, train, etc. to their

desired route. Users have to provide their source and destination location for searching the available nearby public transports.

**Stephen T. F. Poon (2020)** [3] The aim of research is to demonstrate how digital media is effectively integrated into the implementation of efficient intelligent transport management systems (ITMS). Findings demonstrate that innovative network-based features and capabilities such as interactivity and real-time response enable users to plan for smoother journeys to destinations

**Saed Tarapiah (2014)** [4] In this work we focus on notifying subset of the vehicles based on their geographical location; such feature is called Geo-Casting. In this paper, we study application layer solutions handling Geo-Casting feature as an additive value to vehicles' Smart on-Board Unit (SBU). Moreover, we provide a SBU design.

**Edi Amin (2009)** [5] The use of different types of vehicles in organizations has drastically increased over the years. Consequently, the management of these vehicles has become more complicated than ever. The combined or stand-alone use of spreadsheets and word software have reduced the level of complexity in dealing with the transport system.

## V.PROBLEM STATEMENT

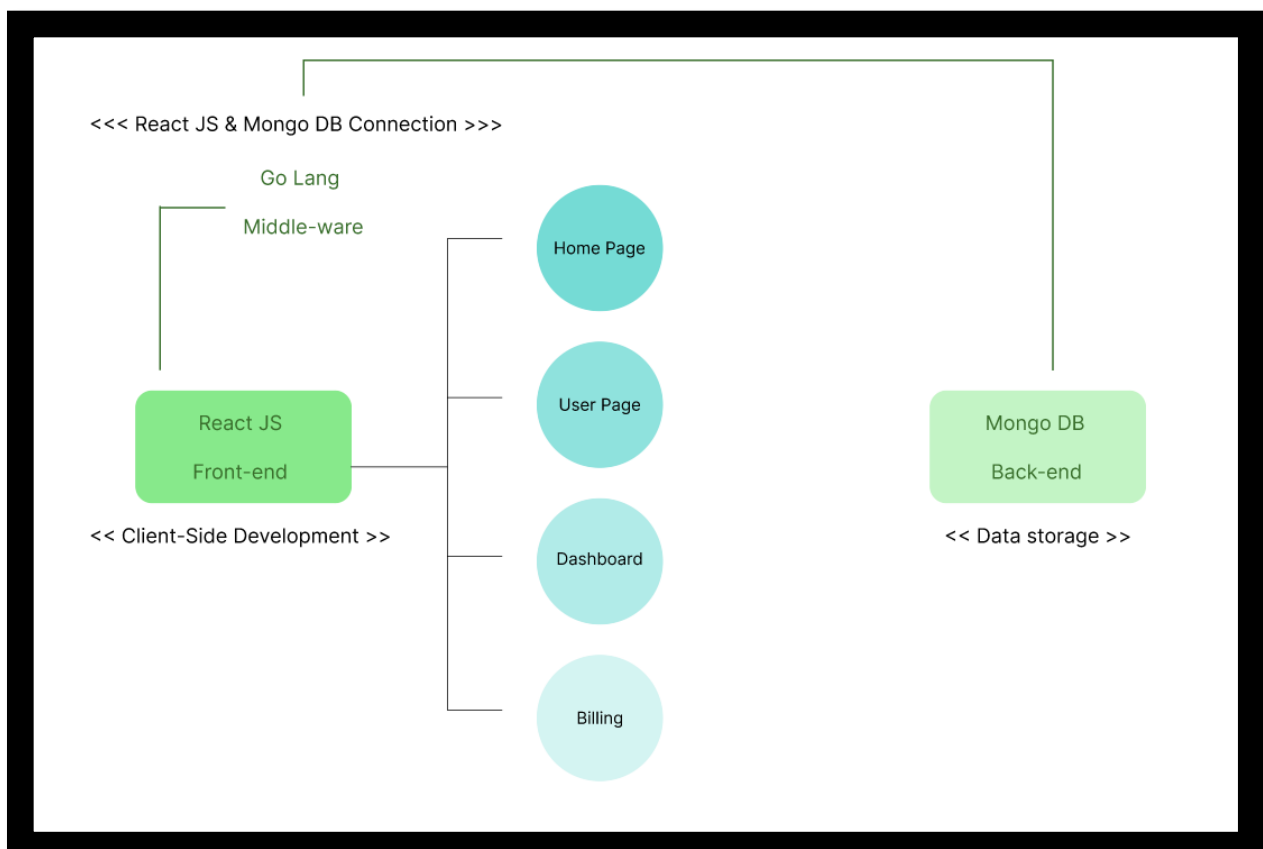
Transport Management System for Better transportation

The transport management system is often criticized due to the lack of capacity and inefficient route management. This issue can affect the customer experience and cause delays in the delivery of orders. The benefits of implementing a comprehensive transport management system are improving supplier performance and increasing shipment.

## VI.SYSTEM METHODOLOGY

This Proposed system has four modules:

- i. Move and Earn
- ii. User Support
- iii. Main Activity
- iv. Dashboard
- v. Billing





Lets study in detail:

### 1. Move and Earn

Move n Earn is a web application based on a transport management system. Move n Earn brings its logistics services to different cities. Rent any mini tempo truck online with Move and Earn and get service tempo at the lowest price. It helps you and your company send goods and packages with verified drivers and transparent pricing policies. Move n Earn helps its customers and rider partners get the most out of their rides.

### 2. User Support

Here, Move and Earn provides you to register, login, Sign up that is the first step to do if you want to use the website, as it fetches your details such as you name, email and so on. Why is this important? Because when you visit the website again it becomes easy to you for your next move to do.

### 3. Main Activity

This is the pivotal page in the application that is main interaction with the user. It focuses on pickup location and drop-off location also all the details related to your transportation. This page has a map that allows user to select location user wants.

### 4. Dashboard

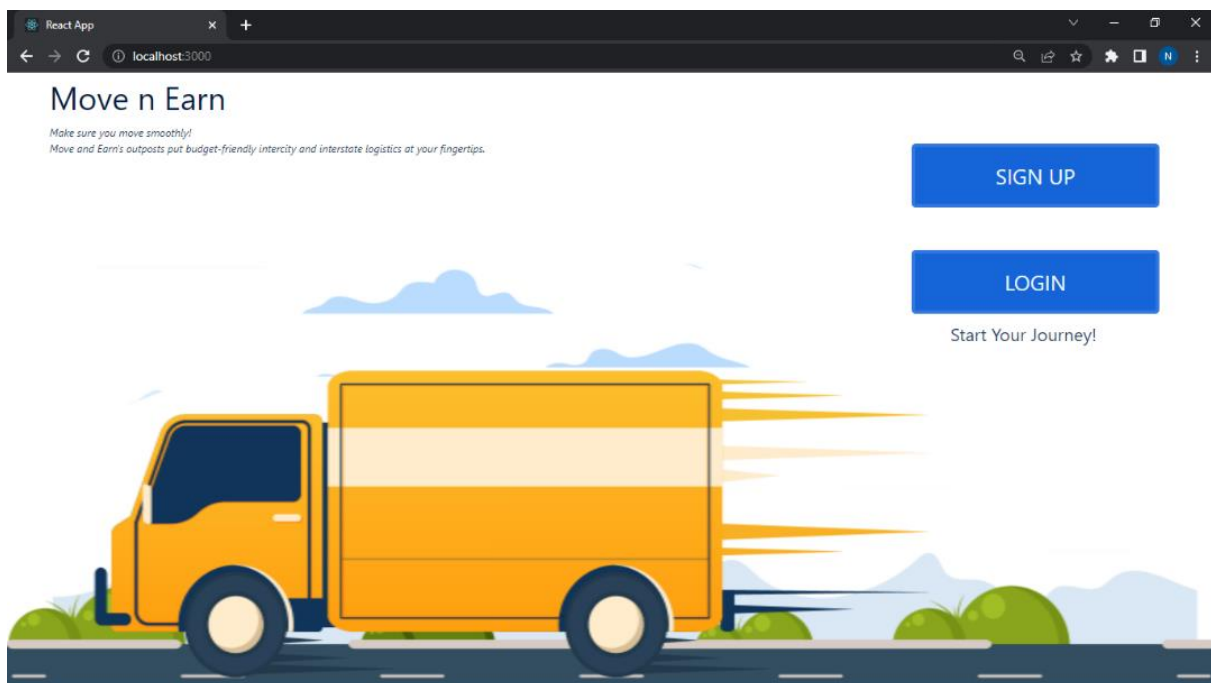
Dashboards are a series of data about the user, charts and gauges of performance that includes current fuel index along with the financial overview and current rates of ACE/DOST/PICKUP.

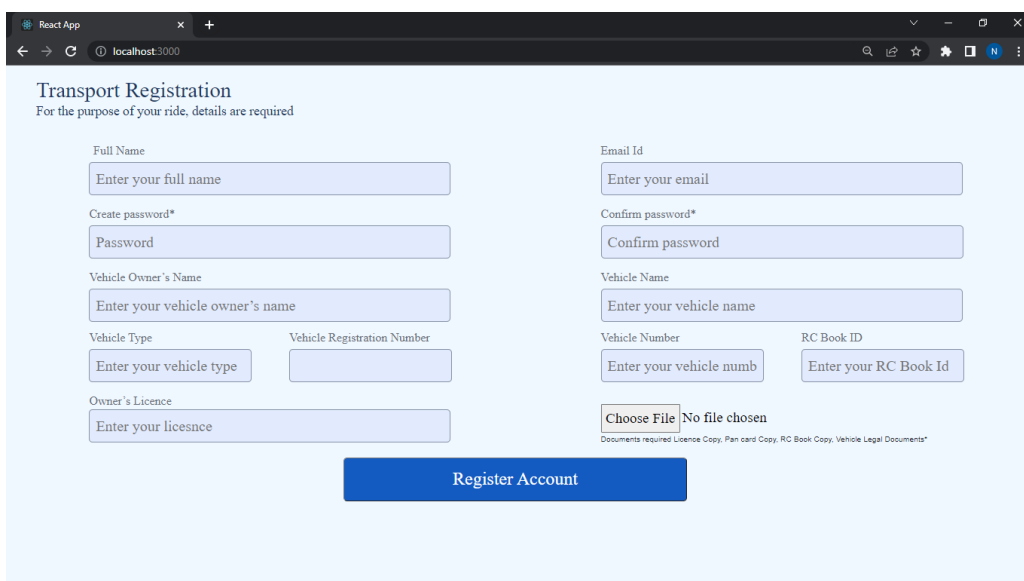
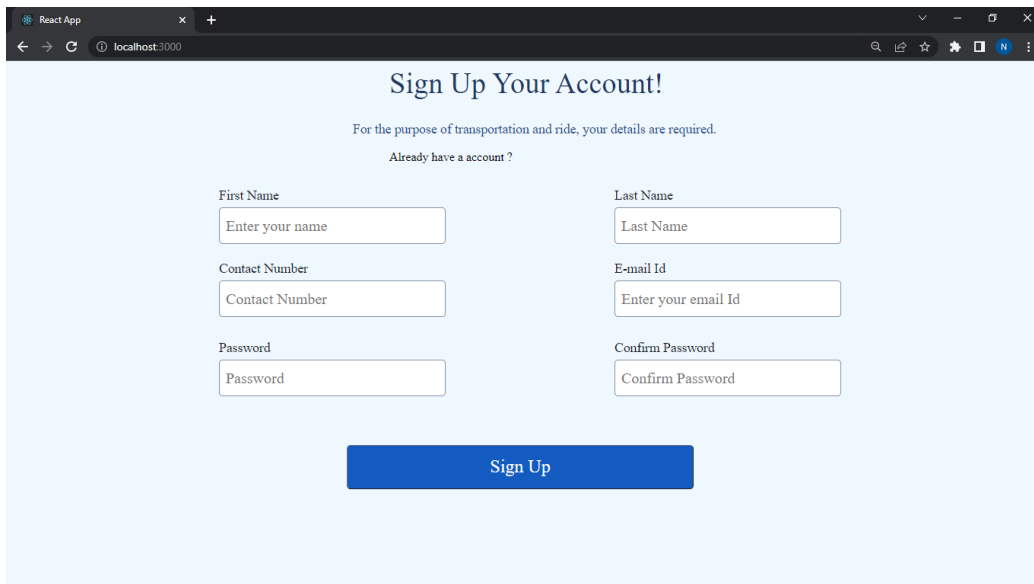
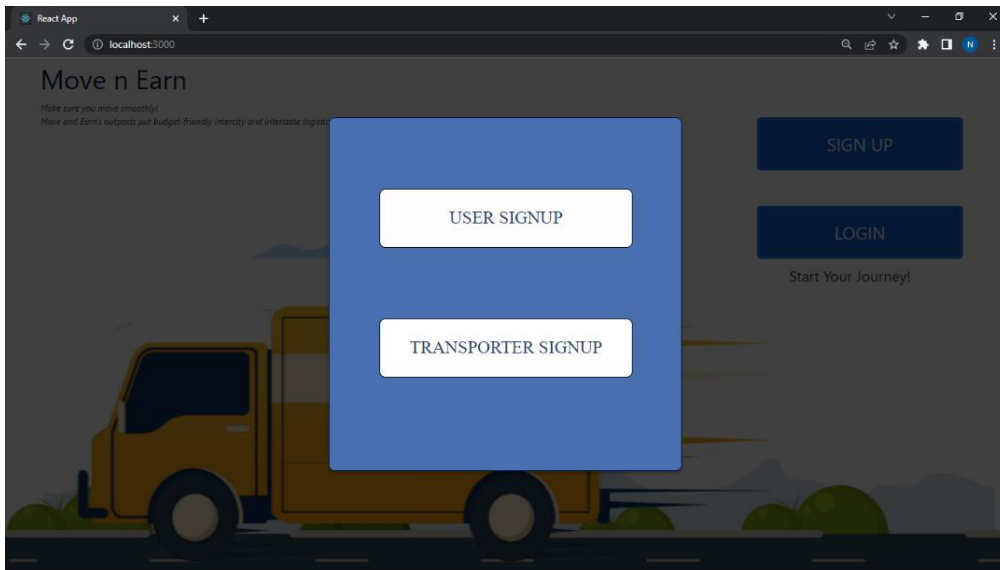
### 5. Billing

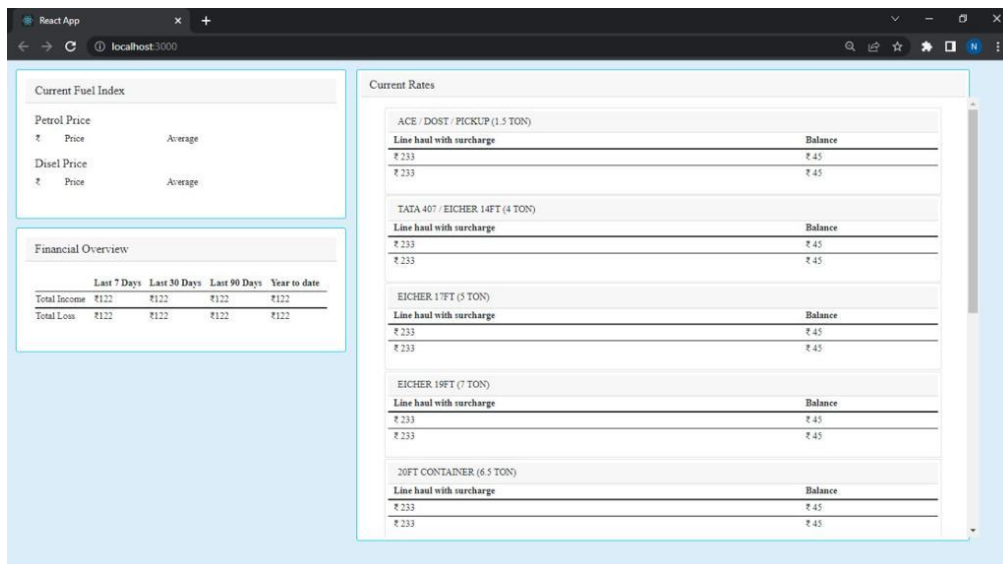
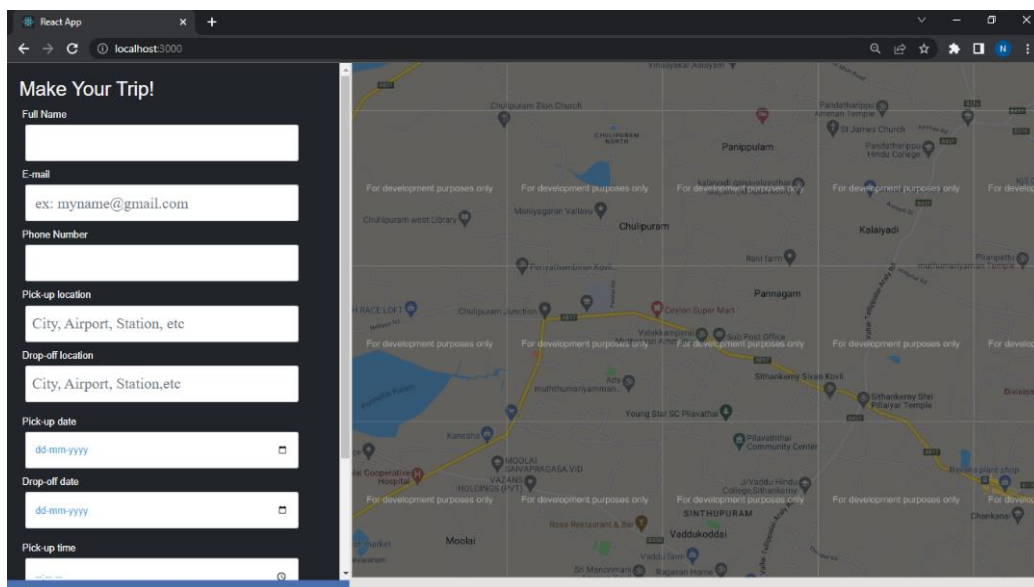
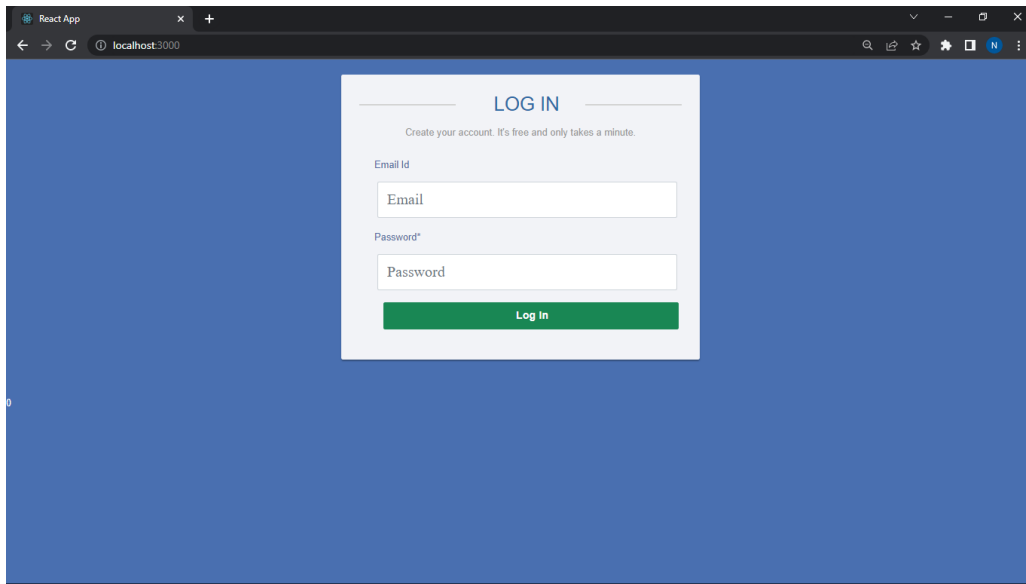
The total amount of the ride is calculated that has client details. It shows price according to distance, Total distance, Diesel rate, Truck milage, Fuel used and its cost and sums up all resulting into Total amount.

### Sample Images of our website :

#### Move n Earn :









The screenshot shows a web application interface with the following content:

**Client Details**  
 Full Name: John Doel  
 Mail ID: john@gmail.com  
 Phone Number: 1234567890

	Total Price
Distance	23,78 km
Total Distance	68.80 km
Diesel Rate	₹435.20
Truck Milage	₹100.20
Fuel Used	₹700.20
Fuel Cost	₹700.20
<b>Total Amount</b>	<b>₹2162.00</b>

**Move n Earn**  
 IND MH Pune  
 Pune 43  
 Phone: 7350416562  
 Fax: 7350416562  
 Email: movenearn@gmail.com

Buttons: EDIT (yellow), SAVE (blue), PRINT INVOICE (green), Receipt (blue)

## VII.FUTURE SCOPE

Since the 1980s, transport management systems (TMS) have come a long way. Today, they are used by many companies to manage their transportation operations. In future transport management system can be used in mobile phones in form of mobile application that would be more user friendly and you can create a QR code using QR generator for payment in the project.

## VIII.CONCLUSION

Despite the challenges that remain in the transportation industry, businesses are still embracing the benefits of transportation management systems. These tools help them manage their various transportation needs and provide them with the necessary information to make informed decisions.

## REFERENCE

- [1] <http://dspace.daffodilvarsity.edu.bd:8080/handle/123456789/4136> The purpose is to design a system that allows one to manage relevant information.
- [2] <https://ieeexplore.ieee.org/abstract/document/8982126> In this paper, we proposed a framework for public transport management system using crowdsourcing for smartphones.
- [3] [https://link.springer.com/chapter/10.1007/978-3-030-60922-1\\_9](https://link.springer.com/chapter/10.1007/978-3-030-60922-1_9) The aim of research is to demonstrate how digital media is effectively integrated into the implementation of efficient intelligent transport management systems (ITMS).
- [4] <https://ieeexplore.ieee.org/abstract/document/6916594> in this work we focus on notifying subset of the vehicles based on their geographical location; such feature is called Geo-Casting.
- [5] <http://lib.buet.ac.bd:8080/xmlui/handle/123456789/1433> The use of different types of vehicles in organizations has drastically increased over the years.