## 

## **TAXI SERVICE DATABASE MANAGEMENT SYSTEM**

**Course instructor- Antriksh Goswami**

**Teacher Assistant- Pragati Ma’am**

**MY GROUP MEMBERS ARE :**

**• SHREY MEHTA (202051118)**

**• AJINKYA SONTAKKE (202051179)**

**• PUSHKARAJ KOLEKAR (202051149)**

**• RAJA SAFI (202051151)**

**• DHRUV RASHIYA (202051153)**

**ABSTRACT:-**

There is nothing more convenient then getting the right thing at the right moment. And isn’t it all for which we all work hard and try to acquire all kind of resources so that we can get whenever whatever we want. With the growing complexities in metro cities, frequent commutation from one place to another has become a challenge. Be it a daily job or an occasional emergency, your own car may not always be the best option to serve all these purposes. And that is where the role of professional taxi services comes in.

The platform shall offer an administration interface where the taxi company can manage the content, and access all bookings and customer information. More and more Taxi companies are looking for integrated taxi booking systems as it makes life much easier for

(1) The traveler - this is highly important and in today's internet age people should be able to book taxis online without having to pick up the phone and

(2) the taxi company as all their bookings are now managed via an automated system which means they have an electronic record of upcoming and old bookings

The individual who want to hire/rent a car must first contact the cab hiring company for the desire vehicle. This can be done online. At this point, this person has to supply some information such as: dates of rental, and type of car. After these details are worked out, the individual renting the car must present a valid Identification Card. Most companies throughout the industry make a profit based of the type of cars. The hiring cabs are categorized into economy, compact, compact premium; premium and luxury & customers are free to choose any car of their choice based on their purse and availability of such car at the time of reservation.

This project intends to introduce more user friendly in the various activities such as record updating, maintenance, and searching. The objective and scope of our project Taxi Management System is to record the details various activities of user. It will simplify the task and reduce the paper work. To produce a web-based system that allow customer to register and reserve cab online .

**PROBLEM STATEMENT**

A Taxi Management System has to keep information about their customers. They must offer the customers their choice in car. Also based on availability the car must be booked for the corresponding customer with highest rated driver available. A good management system takes good care of their drivers and their cars. The complete profile of Drivers and Cars must be stored in the database. Finally a reasonable fair should be charged and accounted. It is important to store details like method of payment, receipt no, distance travelled etc..

**About our Project:**

In this project, we have worked on and learned about database through the **MySql** which is a relational database management system (**RDBMS**) that is used to implement, manage, and query such a database.

Using MySql we have created, executed and developed the entire database of our website on Student information system. The backend part is developed on **NodeJS**, the server is made using **ExpressJS** and the frontend is made using **EJS**.

Our project is on **GitHub** at: [link](https://github.com/Shrey1012/Taxi-Management-System-App)

Currently, our website is **not hosted** and is working on the localhost.

Therefore, in order to run the application please follow the below steps:

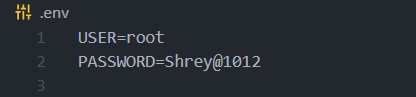
1. Extract the zip file.

2. Take the dump file and set it inside your database locally.

3. Now open it in any code editor (VS CODE preferably)

4. Now open terminal (any would work PowerShell, gitbash, etc) .

a. We are using dotenv for private information storage. So create a .env file in root directory and write data as follows *(You will be required to set your own* ***username*** *and* ***password*** *in this step):*

**

*b. npm install*

*c. npm install -g nodemon (if nodemon is not installed)*

*d. nodemon app.js*

*Hence it will start our web app.*

*(****Note:*** *To use npm you need to install Node JS in your computer first.)*

Now you can go on to the link provided : <http://localhost:3000/>

Now you can surf on our website.

Thank You