North South University

Department of Electrical and Computer Engineering

Project Proposal

Truck Transportation System

Course: 311L (Database Management System)
Section: 2
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Introduction

Truck is a very necessary vehicle all over the world to deliver products. Whenever people transfer furniture or heavy products they need truck. But in our country finding out truck is very tough. Just like in residential area it's really tough job to find a truck and in local area people can manage truck hardly but in our country there are available trucks. This is happening because of lack of information about truck and truck drivers. And in our country there are apps for finding other vehicles but there are no apps for finding truck. So for this, this web application will contain all that information of truck and truck driver and will also provide information to the customer /passenger and provide a safe delivery.

Objective

• To easily access the truck from home.

• Get to know about driver and the condition of truck.

• Notification of truck arrival

• Truck owner will get notification about passenger and rent cost.

• Owner and passenger will also get to know the route which is used by many people.

• survey report about their truck service.

Target Customer

• Truck owner: The owner can maintain all the information about his truck like updating vehicle's paper(Tax token, Fitness etc.). He can see the details of driver, user, fare, delivery orders and so on. He can provide a driver with the truck or can take help for finding a driver from the system.

• Driver: Driver can see the request from users in his area and accept it. The system will assign a default fare for the request. But if there is many trucks are available in a certain zone or location and a driver can provide cheaper rate for the delivery.

• User: When a user needs a truck instantly he/she have to put pickup location and destination to the site and wait for the best available truck with cheapest fare. He/She can also book a truck for a specific date and time.

Value Proposition

This website will reduce the bothering and time for finding a truck and ask for booking. It will also reduce the cost of keeping a manager to keep track of the information as the website will store all the data and the owner can manage all alone. Truck owner will be notified for updating the papers which will reduce the chance of being late and hence, saving the penalty money. Users will also travel or move safely.

Web Application Feature and description

The home page will open with basic view with login and signup button. Everyone can visit the page and see all the features. There will be three signup profile. For owner, driver and user.

Owner:
- •Owner can control his vehicle's data from the site.
- •See details of every trip and other things related to owner.
- • If he has multiple truck he can manage and every details of each truck.

Driver:
- •He can set his current location here to get request from user.
- •He can decrease fare for a certain trip.
- •He can see his profile here (Trip completed, Earned Money, Review from users)

User:
- •User can request for a truck here.
- •Page will show all available trucks with fare.
- •User can see a trucks information and driver's rating.

Tools and Resources

Front-End
- •HTML
- • CSS
- • Bootstrap
- •JS

Database Interaction
- •PHP
- •JS
- •SQL
- • DB Query

Challenge

There will be huge amount of data in this whole database. So it's very challenging to keep track of every data and their relations as well. The program shouldn't consume much memory space to store a data. Most important thing is to make the program flexible and effective for all. The program should be upgradable to be more flexible and give the best service to all of it's user.