



NORTH SOUTH UNIVERSITY

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

Project Proposal

RIDE SHARING COMPANY MANAGEMENT SYSTEM

Database System Lab

CSE311

Section:5

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Submitted By:

AHNAF DAIYAN AZMIR

ID:1931027042

SHADMAN SAKIB

ID:1931024042

AKIL HOSSAIN PROTTOY

ID:1931795642

Submitted To:

Course Faculty

NADEEM AHMED

Senior Lecturer

Lab Instructor

NAZMUL ALAM DIPTO

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Introduction

In a country where the population is increasing at spiking rate, public transportation is something where the word comfort doesn't fit. This is the reason popularity of ride sharing applications are rising and till date it has had a significant impact on the general public. Not only ride sharing transports provide a hassle-free environment but it also provides door-to-door convenience and safety. With such application not only drivers can make a living but they can also provide services to people. For people living in cities like Dhaka it is a kind of blessing to be able to book a ride while relaxing in their couch

Although ride sharing transports like Shohoz, Uber might seem expensive but the service that we are here to provide will be the most economic and reliable choice for all general people. On the plus side our collection of vehicles is very rich. With fine quality of cars, we are here to provide the best service available.

Objectives:

- To be able to book vehicles anytime anywhere.
- To provide a reliable, safe and economic means of transportation.
- Not only for general purposes, our services are available for people who require heavy transportations like trucks/vans.
- Creating job opportunities for people who are looking out to make a living (People can apply for a driving job easily through the website)
- People using this website can make some extra money by renting out their vehicles.
- Get to know about drivers in service and condition of vehicles that are active in service.
- Customers will be able to report an instant service feedback.
- Admins will be able to look into databases of different departments existing in the company

Target Audience

- For people who want a hassle-free transport service at a reasonable pricing
- For people who don't own a car and does not want to bear the maintenance of a vehicle
- People who are looking for a full-time/part-time job and are willing to earn money through driving

Value Proposition

This website will reduce the struggle for people who have to go out and look for a taxi or other sorts of rental vehicles. With a more friendly user interface anyone can easily use our website and can easily book themselves a ride.

Our website is open for customers to look at cars that are in service and they are also welcome to fill out forms to give out their vehicles for rental. Our services are cheaper than conventional taxis.

Users can immediately report by calling at our helpline if they face any inconvenience caused by our service/service provider. Our helpline is open 24/7 and immediate actions are applied.

Resources that will be used to create the website:

1. **HTML**, *HTML will be used to make the page layout*
2. **CSS**, *CSS will be used for the designing part*
3. **PHP**, *PHP will be used to implement all the front-end logic*
4. **MYSQL**, *MYSQL will be used as the database*
5. **Web Server**
6. **JavaScript**, *JavaScript will be used to create small amount of animations in the website layout and will also be used for validation tasks*

Features of the web page with description:

Web page will open with a general view and there will be options in the navigation bar for the user to choose from. Anyone having the access of the domain will be able to view it.

The homepage will be having a good and user-friendly interface, there will be an “About Us” page which will provide a brief description about the whole project.

The webpage will also contain “Contact Us” which will allow the users to contact the company for any sort of queries.

There will admin panel for the employees and other respective panels for the users of the website.

Functionalities for the Admin:

- Manage vehicle database
 - Add new vehicles to database
 - Remove vehicles from database
 - View Details of the vehicles
- Manage customers and their bookings (View details of users using the website)
- Manage the Drivers database
 - Add drivers, Remove drivers
 - View Details of the Drivers
- Manage other departmental databases

Functionalities for the Users:

- Users will be able to register their account on the website
- Users will login in and book a ride
- Users will be able to choose from a class of vehicles (Economy, Premium, Truck, Minivans)
- Users can use the report button to report any inconveniences caused by the company service and get immediate help by simply putting out their phone number. A customer service representative will be there assisting the user.

- Users can view all the vehicles that are currently active.
- Users can make an appointment for renting out their cars by simply filling out a form
- Anyone can apply for a job position (if available) by filling out a form
- There will be a feedback system where users can share their travel experience and rate the service

Challenges

As it is a completely digitalized platform many users/drivers might find it difficult to adapt, thus we have to make sure to make the user interface as simple as we can so that normal people can access and use it to book rides. Connecting the databases and making sure all the individual elements work properly is another challenge that we have to overcome. Other challenges come with the reliability of the data and verification of the data. Checking the reliability of the data is a very convoluted task. As we know that the competition for ride sharing companies is high hence we have to design our operations in such way so that users of the website find our service easy and accessible.

Thank you