

# CSE311L Project Proposal

**Project Title:** Voyager Transport Portal

## Course Details:

Course Code : CSE311L  
Course Title : Database Management System  
Section : 8  
Faculty : Tarek Ibne Mizan (TIM)  
Lab Instructor : Sabbir Mollah

## Group Details:

Group Number : 08

### Group Members:

Asif Rahman	ID: 2012691642
M M Shovon Hossain Junak	ID: 2011396642
Md. Nafiz Al Mahmud	ID: 2012241042

## **Introduction:**

A company name *Voyager* has a lot of workers, who come to work from different places of the country. *Voyager* has a transport system for the transportation of their workers. But recently, it has become hard for them to manage such a huge amount of people.

To solve this, the company has decided to make a transport management program where the workers will be able to login using their respective ID numbers and a PIN. They can enter their destination and pickup location and select their suitable schedule of transport and then book a seat for them.

## **Project Description:**

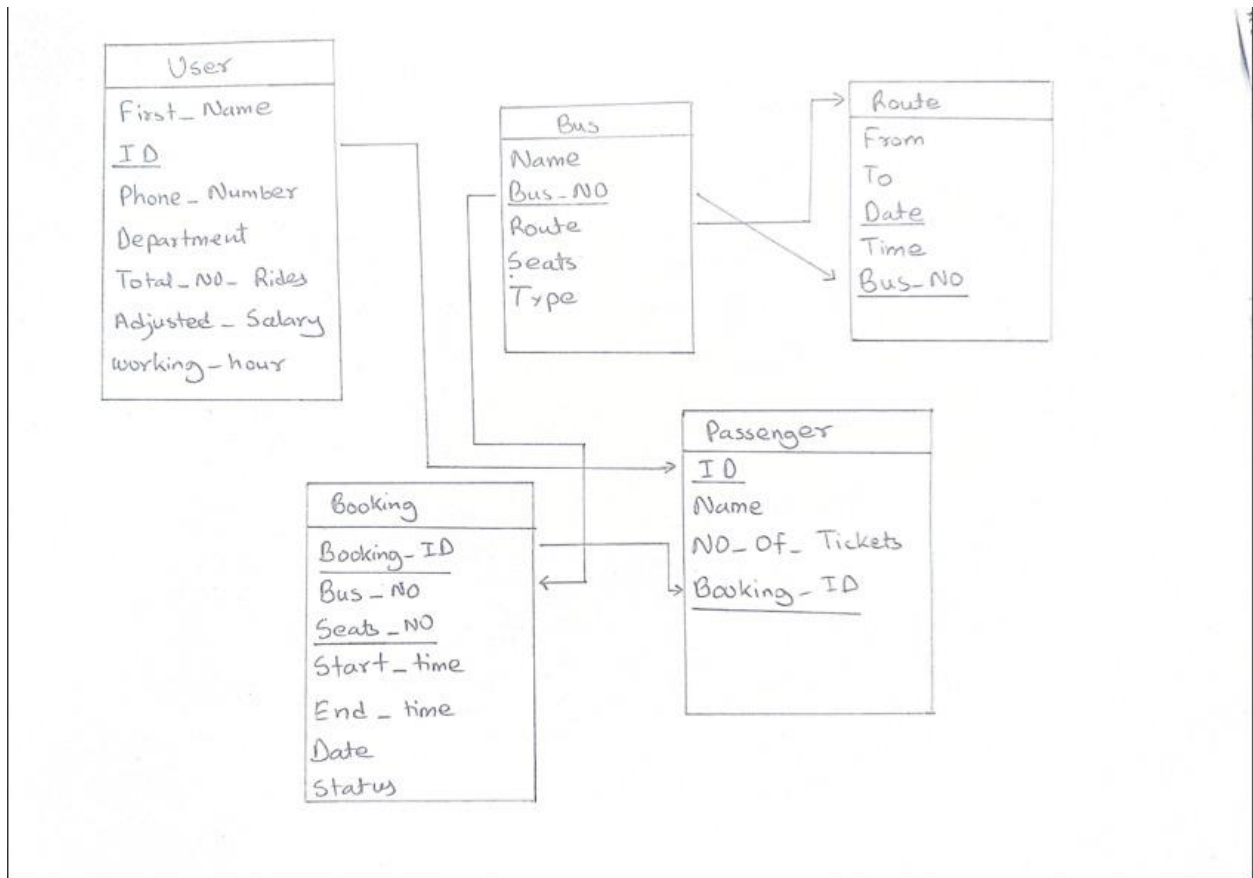
### **Functional Features:**

- Login page: Users will be able to log into their accounts using their ID number and a PIN
- Easily add or delete: Users will be able to add or delete their tickets easily
- Search: Users will be able to search and see the list of transports available according to their choice
- Auto update: The price of tickets will be automatically adjusted with their total salary
- Conformation: Users will be able to confirm and review their purchases

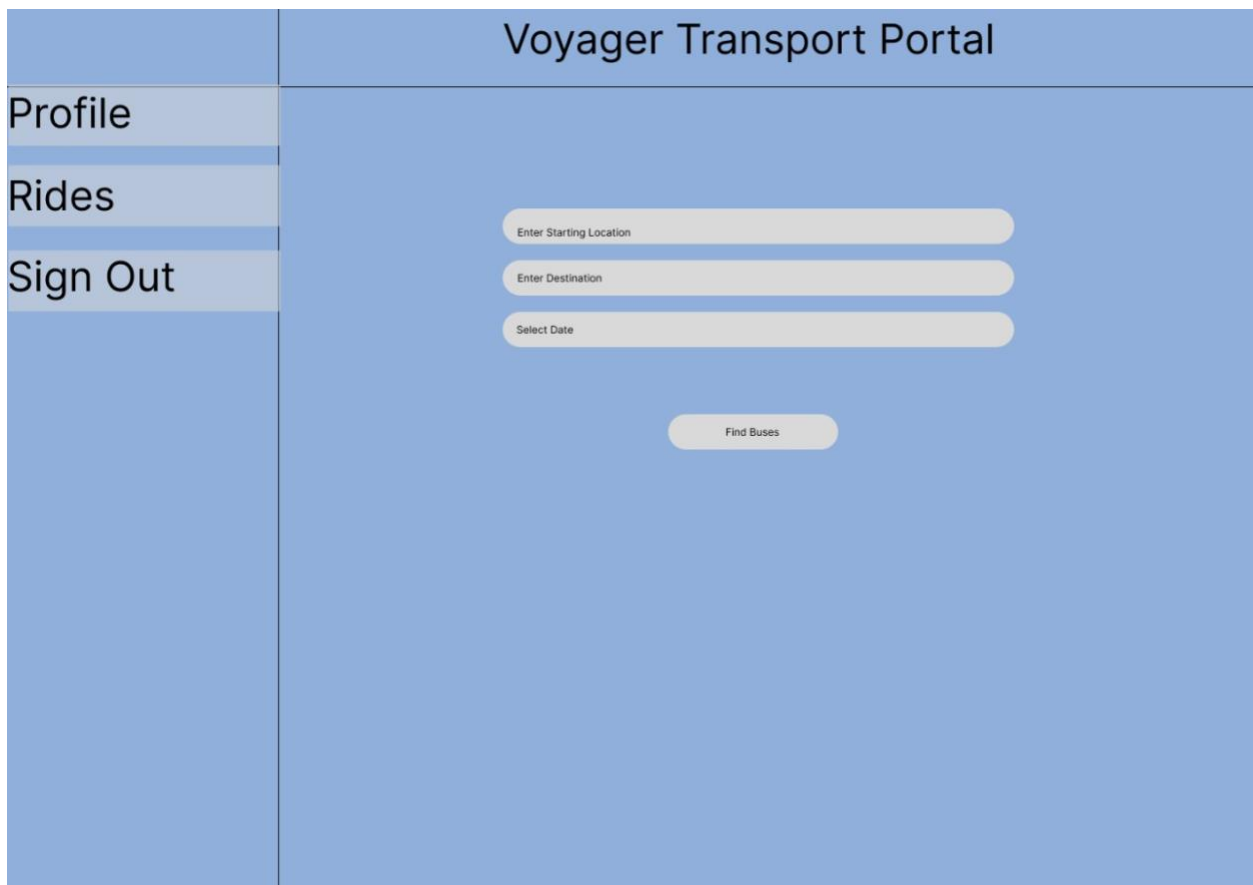
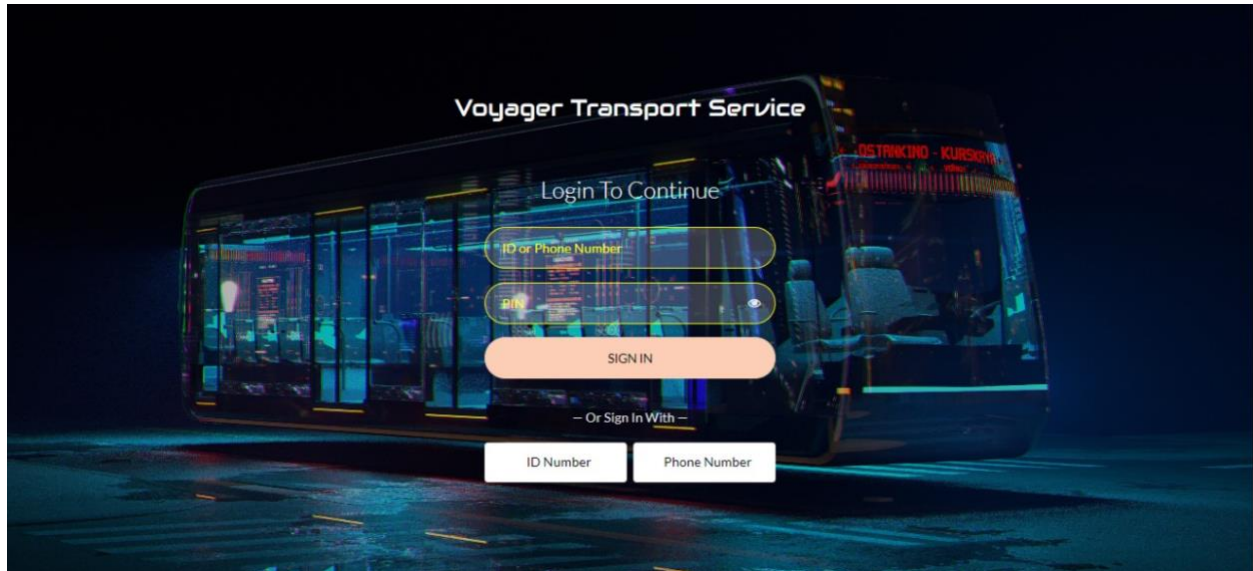
Users will be able to book maximum four tickets at a time. They will also have an option to cancel their tickets. The fare of the tickets will be deducted from their total salary automatically.

In the profile section, the user will be able to see their work profile which includes their department, working hours, total transport rides, adjusted salary and other details.

## ER Diagram:



## UI Screenshots:



	Voyager Transport Portal	
Profile	List Of Buses	
Rides	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
Sign Out	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket
	Bus Name - Bus No. - Route - Seats Available - Type	Book Ticket

	Voyager Transport Portal
Profile	Bus Info
Rides	
Sign Out	<div>Bus Name:</div> <div>Starting From:</div> <div>Destination:</div> <div>Time and Date:</div> <div>Select Seat: <input type="text"/></div> <div><div>Confirm</div><div>Change Destination</div></div>

## **Requirements:**

### **Software Requirements:**

- Operating system
- Web browser
- SQL server
- Visual Studio Code

### **Hardware Requirements:**

The program will run on any hardware if it meets the software requirements

## **Plan of Work:**

### **Individual Contribution Breakdown:**

Asif Rahman:

Project planning, UI Design, Programming, Presentation, Q/A testing, Documentation, Management and Organization

M M Shovon Hossain Junak:

Programming, Presentation, Management and Organization

Md. Nafiz Al Mahmud:

Programming, Presentation, Management and Organization.