



**Ahsanullah University of Science and Technology (AUST)**  
Department of Computer Science and Engineering

**Project Proposal**

Course No.: CSE4126

Course Title: Distributed Database Systems Lab

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18.01.04.020

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Year- 4<sup>th</sup>

Semester-1<sup>st</sup>

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# Pick Your Tour Buddy

## Introduction:

This project is designed to be hired a vehicle that can be used temporarily within a trip. It assists individuals to get around even when they do not have access to their vehicle or don't own a vehicle at all. Suppose someone stays in Dhaka and plans a tour to Bandarban. He or she now wants to reserve a car for those tour days. At this point, this person has to provide some information such as; dates of rental, and type of car. Following these facts, he/she reserved a car based on his/her preferences. Customers can also cancel and change their reservations.

## Database Schema:

### Global Schema:

**Customer Table** (CustomerID, CustomerName, CustomerPhone, Date&TimeOfBooking, PickUpPlace, TypesOfCar)

**VehicleTable** (VehicleID, VehicleModel, VehicleNumber, NumberOfSeats, BookingCost)

**res** (CustomerID, CustomerName, CustomerPhone, Date&TimeOfBooking, PickUpPlace, VehicleID, VehicleModel, VehicleNumber, NumberOfSeats, BookingCost)

### Fragmentation Schema:

**res1** = PJ<sub>CustomerId, CustomerPhone, VehicleID, VehicleNumber, Date&TimeOf Booking, PickUpPlace</sub> **res**

**res2** = PJ<sub>CustomerId, CustomerPhone, VehicleID, VehicleNumber, Date&TimeOf Booking, PickUpPlace</sub> **res**

### Allocation Schema:

**res1** @site1

**res2** @site2

## Why Distributed Database:

If a person booked a vehicle, the data is updated and stored in that area office & that vehicle will be ready for that day. It will make the trip comfortable and easier.