KHULNA UNIVERSITY OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

Project Report on CSE3100

**Project Name:** Bus Booking management website with asp.net

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**Objectives:**

1. To learn about asp.net

2. To learn about building a website.

3. To learn about Microsoft sql server.

4. To make an website to book bus tickets.

**Introduction:**

ShohojeBus is an Web Based bus booking application,That works with in centralised network,It Provides facility to reserved seats,different type of enquiry which need an instant and quick reservation. Buses may be used for scheduled bus transport, scheduled coach transport, school transport, private hire, or tourism; promotional buses may be used for political campaigns and others are privately operated for a wide range of purposes, including rock and pop band tour vehicles.

**Theory:**

This project is modularized as the following:

* **Management of Route**
* **Trip Details**
* **Bus Details**
* **Bus Ticketing**

**1. Management of Routes**

This module include information about how we can Manage the routes for a particular bus services so In the case of Route management module we must know the details about route number, number of stops ,fare stages and running time of  the particular bus more over we want to manipulate and stored these information successfully.

**2.** **Trip information**

Each journey is identified as a trip. Each ticket must contain the trip no so that calculation of passenger can be done easily. Here in this section we want to know start time and route no of the bus this information can be manipulate and stored successfully.

**3.** **Bus Detail**

In this module all bus details are stored and manipulated, in bus detail module contains minimum charge, type, depot, fare increment, bus number, and passenger’s states (child or adult) are manipulate and stored.

**4. Bus Ticketing**

Ticketing is the most important module in this Project which uses all the tables together and calculates fare for the passengers. Venting the tickets is done using the route number, bus type, beginning stop, end stop, ticket number, persons(Adult/child)rate, date and time also we want to print the all these information. In order to do the calculation data has to be pulled out from stops, bus, trip and route. Number of passengers & the states are entered by the Venter and to produce the tickets.

**Database:**

The database is designed with sql and Microsoft SQL server Management is used to create the database. The database contains the necessary tables of the used modules. There is some data already loaded in the database. The payment method is also created by this sql file.

**Website guideline:**

The website can be divided into two parts user and admin part. The admin can do all the job to change the bus schedule, journey date, add bus and check about the booking seats. On the other hand user can search for buses, book ticket and download tickets from his accounts dashboard.

**Conclusion:**

The website is built by asp.net framework and the database coding is done by sql. The website can be beneficial to bus agency and this same module can be used for train ticket or boat ticket management system.