

## ABSTRACT

Traveling is a large growing business across all countries. Bus reservation system deals with maintenance of records of details of each passenger. It also includes maintenance of information like schedule and details of each bus.

We observed the working of the Bus reservation system and after going through it, we get to know that there are many operations, which they have to do manually. It takes a lot of time and causing many errors while data entry. Due to this, sometimes a lot of problems occur and they were facing many disputes with customers. To solve the above problem, and further maintaining records of passenger details, seat availability, price per seat, bill generation and other things, we are offering this proposal of computerized reservation system.

By using this software, we can reserve tickets from any part of the world, through telephone lines, via internet. Customer can check availability of bus and reserve selective seats. The project provides and checks all sorts of constraints so that user does give only useful data and thus validation is done in an effective way.

A **bus** is a large wheeled [vehicle](#) meant to carry many [passengers](#) along with the [driver](#). It is larger than a [car](#). The name is a shortened version of **omnibus**, which means "for everyone" in [Latin](#). Buses used to be called omnibuses, but people now simply call them "buses". Buses are an important part of [public transport](#) in places all over the world. Many people who do not have cars, especially the [third world](#) countries, use buses to get around. Buses make it easy for them to get to where they want to go.

## PROJECT OVERVIEW

This project is meant for maintaining goods transport organization administration, which deals with huge amount

This “**BUS RESERVATIONMANAGEMENT SYSTEM**” system has ten main modules. They are

- ❖ Employee
- ❖ Salary
- ❖ Vehicle
- ❖ Private Booking
- ❖ Regular Customer
- ❖ Regular Booking
- ❖ Report and
- ❖ Exit

In first module consists of a form for entering employees working in the concern. The following information are used to be given in this form, EMPLOYEE\_ID, NAME, ADDRESS, DOB, QUALIFICATION, DESIGNATION, DATE\_OF\_JOIN, CONTACT\_NO. This form has options for New, Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

Second module shows a form for salary information. The following information are used to be given in this form, EMPLOYEE\_ID, NAME, DESIGNATION, BASIC\_SALARY, OVER\_TIME\_SALARY, NET\_SALARY, MONTH. This form has options for New,

Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

The third module depicts a form for vehicle details such as Vehicle\_name, Registration\_no which are available with the concern. This form has options for New, Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

Fourth module, Private Booking, gives booking of goods from private customer entry information. The following information are used to be given in this form, LLR\_NO, SEND\_NAME, SENDER\_ADDRESS, RECEIVER\_NAME, RECEIVER\_ADDRESS, DATE\_BOOK, WEIGHT, AMOUNT. This form has options for New, Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

The fifth module, Regular Customer, shows the data pertaining to regular customers' information of different companies in and around Madurai city. The following information are used to be given in this form, CUSTOMER\_ID, COMPANY\_NAME, CONTACT\_NAME, ADDRESS, PHONE\_NUMBER, EMAIL. This form has options for New, Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

The sixth module, Regular Booking, shows the information for goods booking by different regular customers. The following information are used to be given in this form, LLR\_NO, SEND\_NAME, SENDER\_ADDRESS, RECEIVER\_NAME, RECEIVER\_ADDRESS, DATE\_BOOK, WEIGHT, AMOUNT, AMOUNT\_RECEIVED, AMOUNT\_RECEIVED\_DATE. This form has options for New, Edit, Update, Find and Delete record and Grid View option to view all records. The grid view form has options for Filter by which required record/records can be viewed and Sort option can be used to view all records in sorted manner for a particular column.

The seventh module, Report, has reports for Employee, Salary, Customer, and booking.

And the final module is for exiting from the software.

## **MODULES DESCRIPTION**

### **Modules**

This module provides the functionality for customers to place their order and supply necessary details. Users of the system, namely restaurant customers, must be provided the following functionality:

- Create an account.
- Manage their account.
- Log in to the system
- Navigate the restaurant's menu.
- Select an item from the menu
- Add an item to their current order
- Review their current order
- Remove an item/remove all items from their current order
- Provide payment details
- Place an order
- Receive confirmation in the form of an order number
- View order placed

### **Menu Management System**

This module provides functionality for the power user-Administrator only. It will not be available to any other users of the system like Restaurant Employees or Customers.

Using a graphical interface, it will allow an Admin to manage the menu that is displayed to users of the web ordering system:

- Add/update/delete food category to/from the menu
- Add /update/delete food item to/from the menu
- Update price for a given food item
- Update additional information (description, photo, etc.) for a given food item.

Before customers can actually use this system, functionality provided by this component will have to be configured first. Once the initial configuration is done, this will be the least likely used component as menu updates are mostly seasonal and do not occur frequently.

### **Order Retrieval System**

This is the most simplest module out of all 3 modules. It is designed to be used only by restaurant employees, and provides the following functions:

- Retrieve new orders from the database
- Display the orders in an easily readable, graphical way.