

Bus Scheduling

Abstract

Journey became part and parcel of a human being's life. Without moving around, people cannot communicate and share the moments with others. In this busy world, especially when more and more population is seen in the developing nations, it is highly essential to have a comfortable and safe journey.

In this system manager can add new persons of different roles manager can add new buses, employees, routes and passengers.

Existing System

The existing system is to maintain new buses and their insurance details, employees details, routes details, passengers details are maintained manually through record work.

Proposed System

The Bus Scheduling is to replace the existing manual system with a computer work. By using this we can

maintain a permanent database. it is the system provides lot of flexibilities for the customers.

Scope of the System

The proposed system scope is network. We are using this system through out the network connected wire. In future it can be enhanced to be a global communication medium.

Module Description

The system “**Bus Scheduling** “ consists of 3 modules.

- 1. Manager Module**
- 2. Supervisor Module**
- 3. Booking Clerk Module**

Manager Module

In this module manager can add new user, add new buses, add new employees, add new routs and add new passengers. Manager can maintain all these details and update the existing ones. And also do the scheduling, bookings and payments. And also maintain all reports of bus reports, employee reports, scheduling report and booking reports. He can use the tools like calculator and editor like notepad and finally he can change the background color of the screens.

Supervisor Module

In this module supervisor can do all thing of manager except adding new users, maintain passengers details and booking details.

Booking Clerk Module

In this module Booking Clerk can do all thing of manager except adding new users, and scheduling details.

Features to be implemented

- Normalized database
- Prevention of duplication login
- Maintainability
- Exception handling

Technologies to be used

- **Programming Language:** Java
- **Web based Technologies:** JNDI, Servlets, JSP
- **Database Connectivity API:** JDBC
- **Backend Database:** Oracle/SQL Server/MY SQL/MS Access
- **Operating System:** Windows XP/2000/2003, LINUX, Solaris
- **IDEs:** Eclipse with My Eclipse plugins/Net Beans/RAD

Hardware requirements

- Pentium processor ----- 233 MHZ or above
- RAM Capacity ----- 128MB
- Hard Disk ----- 20GB
- Floppy disk ----- 1.44 MB
- CD-ROM Drive ----- 32 HZ
- KEYBOARD ----- 108 Standard