

ELECTRONIC BUS TICKET GENERATOR

Reg. No.: - 12210461 R.No.: 19 Name: A.H.V. Srinam

Description

The electronic bus ticket generator is a software application developed in 'C' programming language that allows the user to generate bus tickets. The software provides a user-friendly interface that enables the user to enter the necessary details like the source, destination, date and time of travel, the number of passengers, and the type of ticket (Single or return).

Once the user enters all the details, the software generates an electronic ticket with a unique ticket number, the name of the passenger, the source, destination, date and time of travel, and the ticket fare. The ticket is displayed on the screen and the user can take a printout of the ticket.

The software also provides the option to cancel the ticket if needed. The user can enter the ticket number and cancel the ticket. The software updates the ticket status to canceled and releases the seat for other passengers.

Modules:

It consists of 5 modules as follows:

- Display available buses for a route.
- Add new bus
- Book Seat
- Cancel Seat
- Delete / update a particular bus details.

Main Module :-

This module is responsible for the overall flow of the program. It displays the main menu and display the available buses for a route. It is also known as user interface module which provides basic information about the buses and prices of a bus ticket for a particular journey.

Ticket generation module :-

The ticket generation module will generate tickets for bus journeys. It will generate a unique ticket number for each ticket, store the ticket information in a database, and provide the ticket to the user.

Bus management module :-

This module allows bus Companies to manage their buses and schedules. It includes features such as adding new buses, updating bus information and setting bus schedules.

Ticket Cancellation module :-

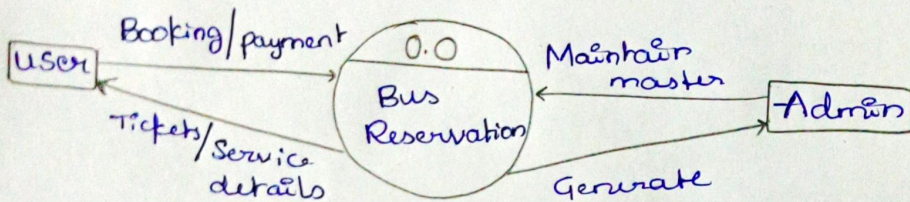
This module is responsible for cancelling the ticket. It takes the ticket number from the user which has been generated by ticket generation module and cancels the ticket.

Database Module:

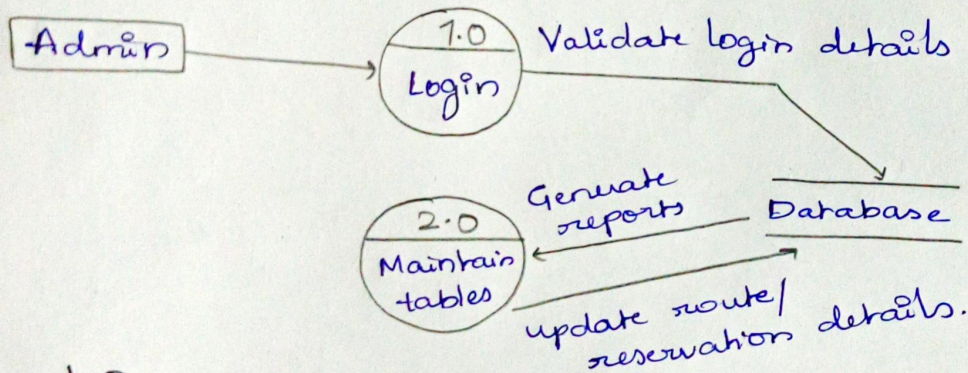
The Database module will be responsible for storing all the ticket information, user account information, and transaction details. The module will ensure that the data is stored securely and can be retrieved quickly.

DFD

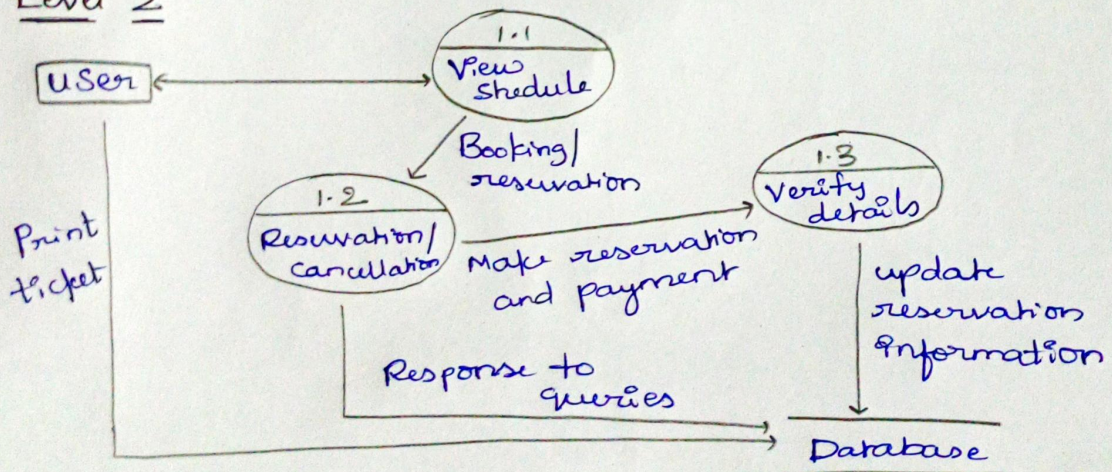
Level 0



Level 1



Level 2



User-friendly System:

Our electronic Bus ticket generator is designed to be user-friendly and intuitive, making it easy for passengers to purchase tickets and for bus companies to manage their schedules.

Conclusion

The electronic Bus ticket generator is an essential tool for bus companies to manage their schedules and for passengers to purchase tickets easily. We developed an electronic bus ticket generator using C programming language that is user-friendly, efficient and secure.

The system includes modules for passenger management, bus management, ticket generation and ticket cancellation with database management.

The system's implementation can help bus companies improve their ticketing process, reduce errors, and improve passenger satisfaction.