Description

The Daewoo Bus Services project entails the development of a multifaceted bus reservation system accommodating passengers, bus captains, and staff members. Passengers can effortlessly search and book buses, with standby options managed separately. Bus captains access route maps for efficient navigation, while staff members optimize cargo shipment strategies. Structured data elements like buses, routes, seats, and parcels, managed with vector and queue containers, ensure streamlined operations. With sorting algorithms enhancing efficiency, the system caters to diverse user needs while maintaining simplicity and scalability.

Daewoo Bus Services Reservation System

Overview

The Daewoo Bus Services Reservation System is a comprehensive software solution designed to streamline the bus reservation process for passengers, bus captains, and staff members. This system provides a user-friendly interface for passengers to search and book buses, assists bus captains in navigating routes efficiently, and optimizes cargo shipment strategies for staff members.

Features

Passenger Module: Allows passengers to search for buses, book seats, and manage standby reservations separately.

Bus Captain Module: Provides bus captains with route maps for efficient navigation between terminals.

Cargo Module: Enables staff members to optimize cargo shipment strategies based on weight and profit considerations.

Technologies Used

Programming Language: C++

Data Structures: Vector, Queue

Algorithms: Sorting algorithms for optimization