DIISE-14
Final Project
assignment

Professional Software Project in IT

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List of Abbreviation

EMC	- ESOFT Metro Campus
IT	- Information Technology
SE	- Software Engineer
QAE	- Quality Assurance Engineer
SD	- Software Developer
BCS	- British Computer Society
HR	- Human Resource

Proposal content here

1.0   Introduction to Business

Europe Bus Booking System

A bus booking system without payment is a software application that allows users to book bus tickets online without making any payment during the booking process. The system is designed to simplify the booking process and provide a convenient experience to the users.

The bus booking system without payment typically includes the following features:

Search and Book: Users can search for available buses on a particular route and book their tickets online. They can select their preferred seat and complete the booking process without making any payment.

Seat Selection: The system provides users with a visual layout of the bus, showing the available seats and their respective prices. Users can select their preferred seats and complete the booking process without making any payment.

Real-Time Tracking: The system allows users to track the real-time location of their bus. This helps them plan their travel time and avoid any delays.

Cancellation: Users can cancel their bookings without any charges as long as it is within the cancellation policy of the bus operator.

Discounts and Offers: The system may offer discounts and promotional offers to users, encouraging them to book their tickets online.

Feedback and Reviews: The system allows users to provide feedback and review their travel experience. This helps the bus operator to improve their services and enhance customer satisfaction.

Overall, the bus booking system without payment is a user-friendly platform that makes the process of booking bus tickets convenient and hassle-free. Users can book their tickets without making any payment and pay at a later time as per the payment options provided by the bus operator.

2.0   Overview of the proposed solution

The proposed solution for a bus booking system is a software application that enables users to search for and book bus tickets online. The system is designed to be user-friendly and efficient, providing users with a seamless experience from start to finish.

The bus booking system would include the following features:

Search and Book: Users would be able to search for available buses on a particular route, select their preferred date and time, and book their tickets online.

Seat Selection: The system would provide users with a visual layout of the bus, showing the available seats and their respective prices. Users would be able to select their preferred seats and pay for them online.

Real-Time Tracking: The system would allow users to track the real-time location of their bus. This helps them plan their travel time and avoid any delays.

Cancellation and Refund: Users would be able to cancel their bookings and receive a refund as per the cancellation policy of the bus operator.

Discounts and Offers: The system may offer discounts and promotional offers to users, encouraging them to book their tickets online.

Overall, the proposed solution for a bus booking system would be a user-friendly and efficient platform that simplifies the process of booking bus tickets, enhances the user experience, and improves the operational efficiency of the bus operator.

We can get a lot of advantages this system,

This solution build by using :
- JavaEE
- SERVLET
- JAVASCTIPT
- HTML
- CSS
- MySQL

Frameworks:
- Jquery
- Bootstrap 5

3.0   **Advantages of the solution**

A bus booking system offers advantages to both the administrator (bus operator) and the customer. Here are some advantages for both:

Advantages for the Administrator:

Automated Booking Process: The bus booking system provides an automated booking process, allowing the administrator to manage the booking process with minimal manual intervention. This reduces the workload for the administrator and saves time.

Easy Fleet Management: The bus booking system helps the administrator to manage their fleet more efficiently, allowing them to optimize routes, improve passenger experience, and reduce operational costs.

Real-Time Data: The bus booking system provides real-time data on bus routes, schedules, and occupancy rates, helping the administrator to make informed decisions about fleet management and pricing.
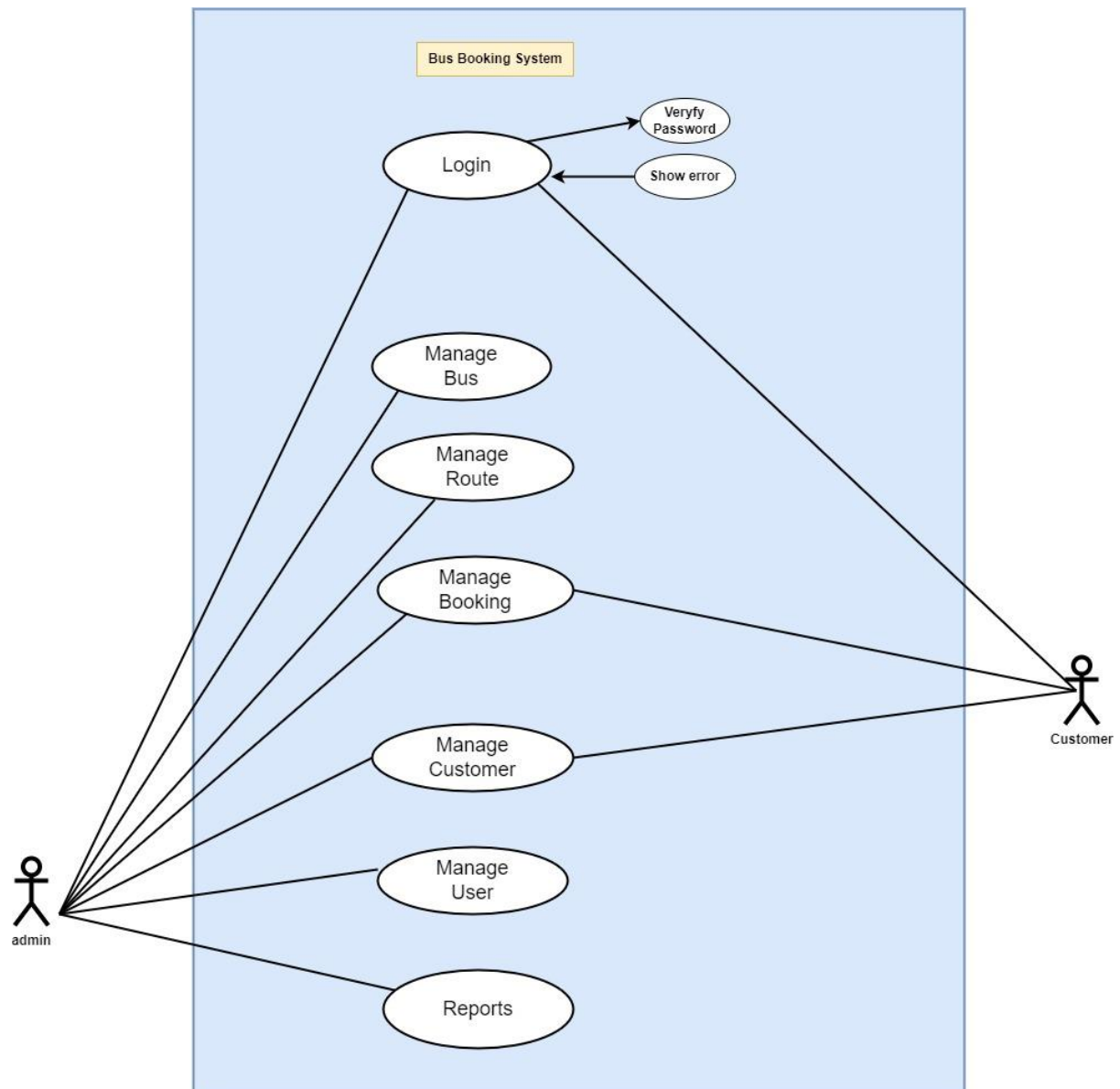
Improved Customer Service: With the bus booking system, customers can track their bus, check arrival and departure times, and receive notifications about delays or cancellations, leading to improved customer service.

Advantages for the Customer:

Convenience: The bus booking system allows customers to book their tickets from anywhere at any time, making it a more convenient option compared to traditional booking methods.
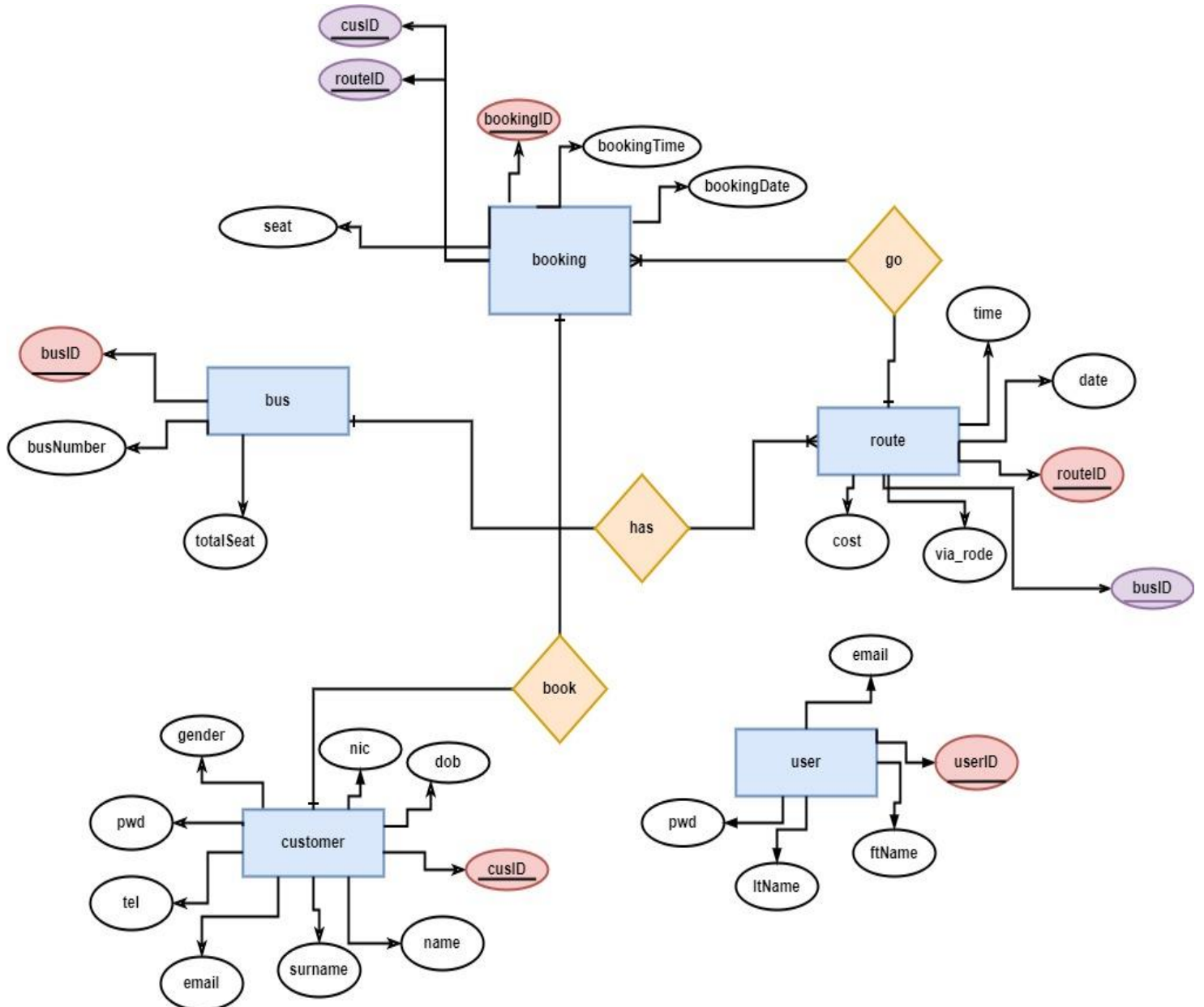
Time-saving: The bus booking system saves time as customers can book their tickets online without having to physically visit a booking counter.

Real-Time Availability: Customers can check real-time availability of buses and seats, making it easier for them to plan their travel.

4.0   Use case diagram

Entity relationship diagram (ERD)

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