Otobis Now - Online Bus Booking

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Project Objective

We aim to build a dynamic Online bus booking website which caters to the needs of travel agencies and passengers.

Software Requirements

1. Linux / Windows operating system
2. Mysql server
3. Eclipse Neon
4. Apache tomcat server

Tools

1. CSS 3
2. HTML 5
3. Java Script
4. Bootstrap
5. JSP

Features

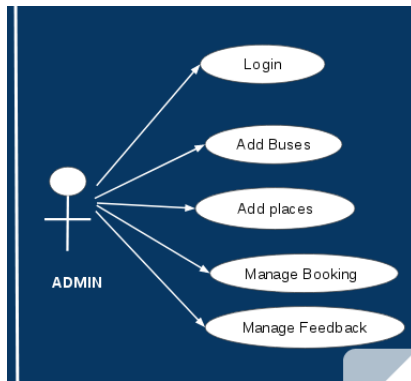1. Check Bus Avaliability
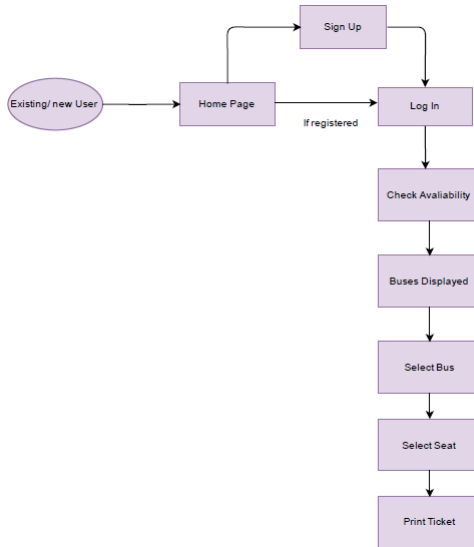2. Booking a Ticket

Modules

1. Customer Module
2. Admin Module

Learnings

1. Use-Case Diagrams
2. Implementing Filters
3. Database Design

Admin Module

Flow Diagram for Customer Module

Flow Diagram of Booking a Seat

Database

BusType			
BusTypeID	isAC	Seating_Type	Seating_Capacity

Bus	
Registeration_No	BusType_ID

	Table Name
	Primary Key
	Foreign Key
	Unique

Route			
Route_ID	Source	Destination	Distance

Schedule					
Schedule_ID	Route_ID	Registration_No	DepartureDateTime	ArrivalDateTime	price

Customer				
EmailAddress	FirstName	LastName	PhoneNumber	Password

Ticket				
Ticket_No	EmailAddress	Schedule_ID	PassengerID	Date Of Journey

ContacUs	
EmailAddress	Message

Passenger			
PassengerID	Seat_No	Full Name	Age

ER Diagram
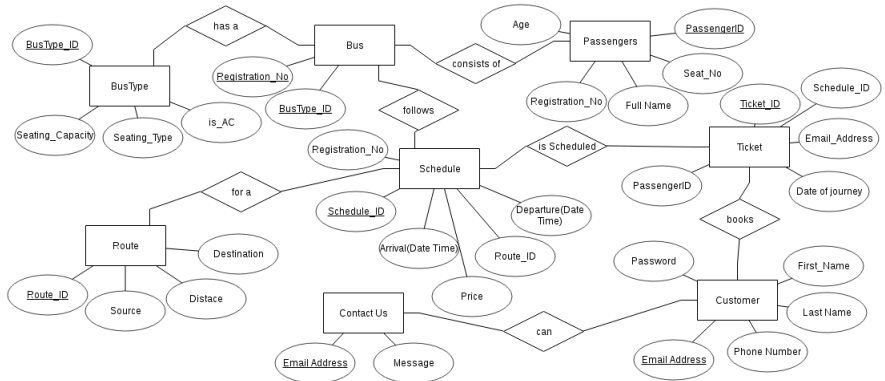
Tasks Completed

1. Creating UI
2. Front-End Validations
3. Database Design
4. JDBC
5. Arrangement of seats
6. Login Signup Servlets

Tasks to be done

1. Displaying the Bus
2. Seat Selection

Assumptions and Future Enhancements

1. Ticket Cancellation
2. Guest User Interface
3. Expanding to multiple Travel and Tourism Agency

Thank You