SRC TRAVEL AGENCY

SRC Travel Agency

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TRAVEL AGENCY

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INTRODUCTION

SRC TRAVEL AGENCY

The thirst for learning, upgrading technical skills and applying the concepts in real life environmen at a fast pace is what the industry demands from IT professionals today. However busy work schedules, far-flung locations, and unavailability of convenient time-slots pose as major barriers when it comes to applying the concepts into realism. And hence the need to look out for alternative means of implementation in the form of laddered approach.

The above truly pose as constraints especially for our students too! With their busy schedules, it is indeed difficult for our students to keep up with the genuine and constant need for integrated application which can be seen live especially so in the field of IT education where technology can change on the spur of a moment. Well, technology does come to our rescue at such times!!

EXISTING SCENARIO

SRC Travel Agencies is the agency that provides the transportation facility to the customers based on their requirements. They provide different buses like Express, Luxury, and Volvo (Has two types A/C and Non A/C). The charges are different for different buses. The charges are in the below mentioned format.

Express < Luxury < Volvo (Non A/C) < Volvo (A/C)

PROBLEM DEFINITION

1

Understand the problem and of people our group make a travel website to make your travel easy , comfortable and enjoyable. Traveler are more aware of prices and are more likely to shop around for the best deal.So you can book your ticket online by SRC Travel Agency.

2

They maintain all the records of the bus reservation counter through Online service tself but the application is only accessed by the Admin and the Employers Alone. Until now they used to issue the tickets in the buses alone as it is difficult to track the details ofthe bookings done as it provides the service allover the country.

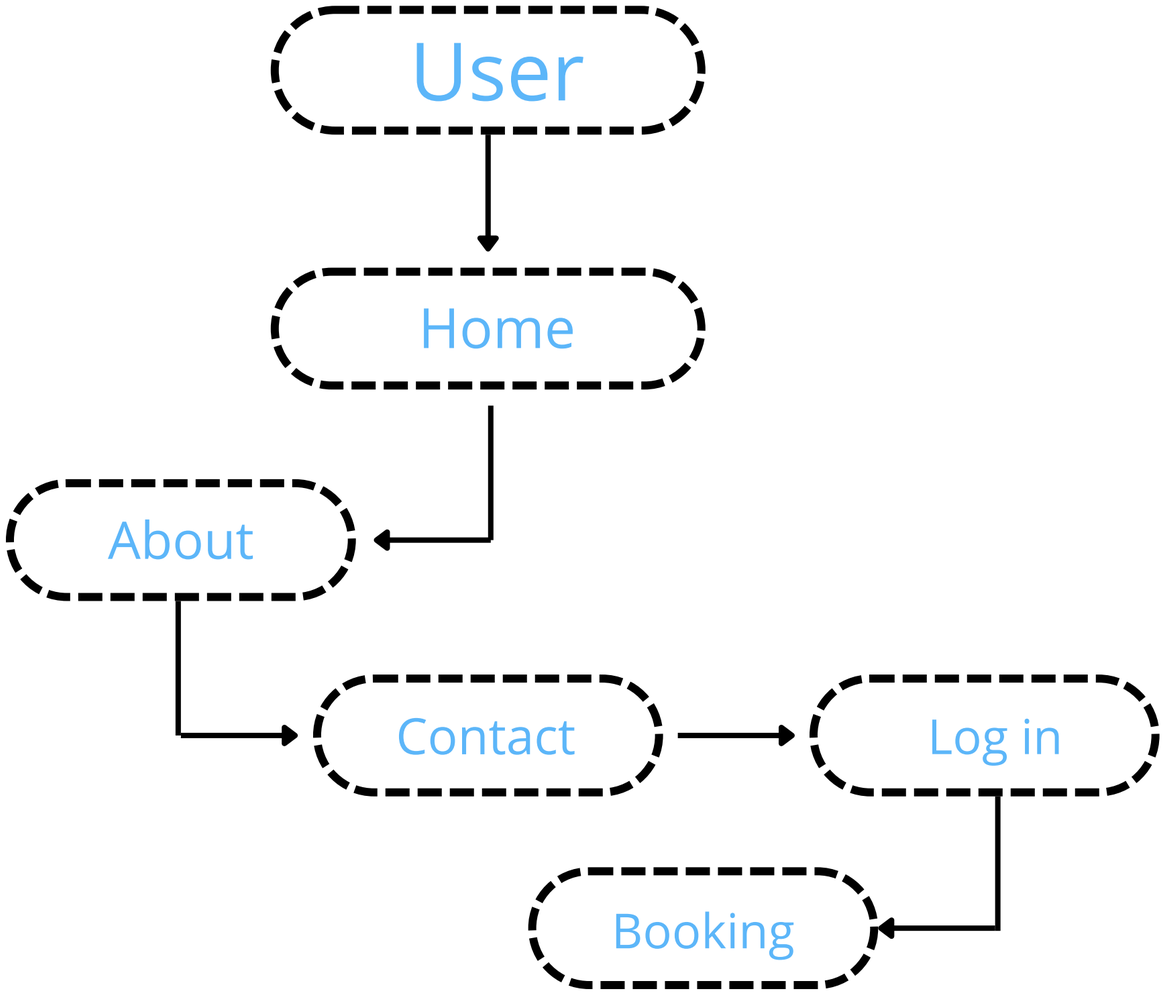
THEORY

A **Bus Reservation System is a software application that allows passengers to book, cancel, and manage their bus tickets online. The system typically includes the following key features:**

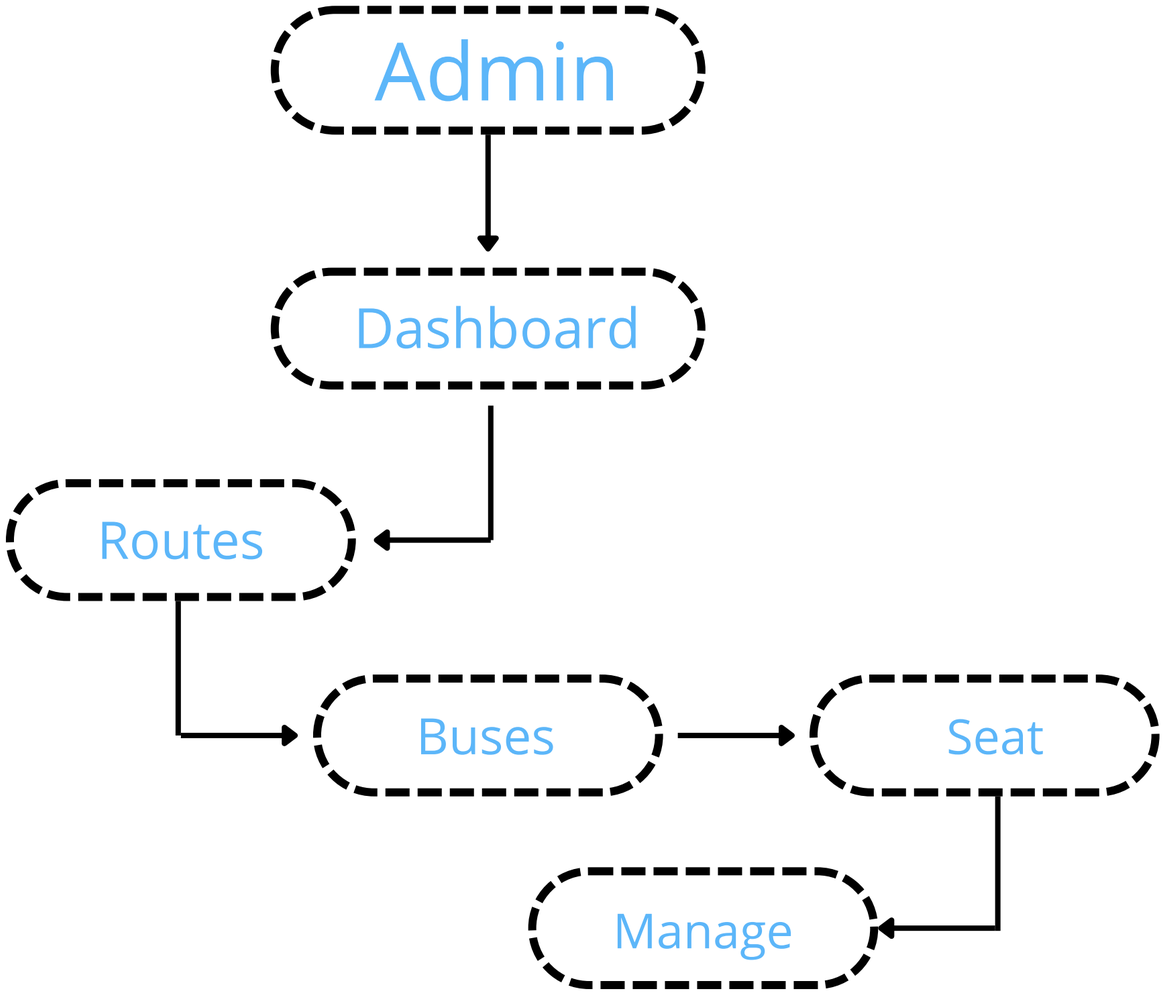
1. **User Registration & Login: Passengers can create an account and securely log in to access the system.**
2. **Bus Schedule & Route Information: The system displays available buses, routes, and departure times, helping users choose the most suitable options.**
3. **Seat Selection: Passengers can view available seats on a bus and select their preferred ones.**
4. **Payment Processing: The system integrates secure payment gateways for online payment of ticket fares.**
5. **Booking Confirmation: Once payment is completed, passengers receive a confirmation of their reservation, often with a ticket number or e-ticket.**
6. **Ticket Cancellation & Modification: Passengers can cancel or modify their bookings within the allowed time frame.**
7. **Admin Panel: Bus operators and administrators can manage bus schedules, monitor bookings, and view financial transactions.**
8. **Notifications: Users receive reminders, updates, and alerts regarding their bookings, such as schedule changes or cancellations.**

Overall, a bus reservation system streamlines the ticketing process, making it more convenient for passengers while enabling bus operators to manage their services efficiently.

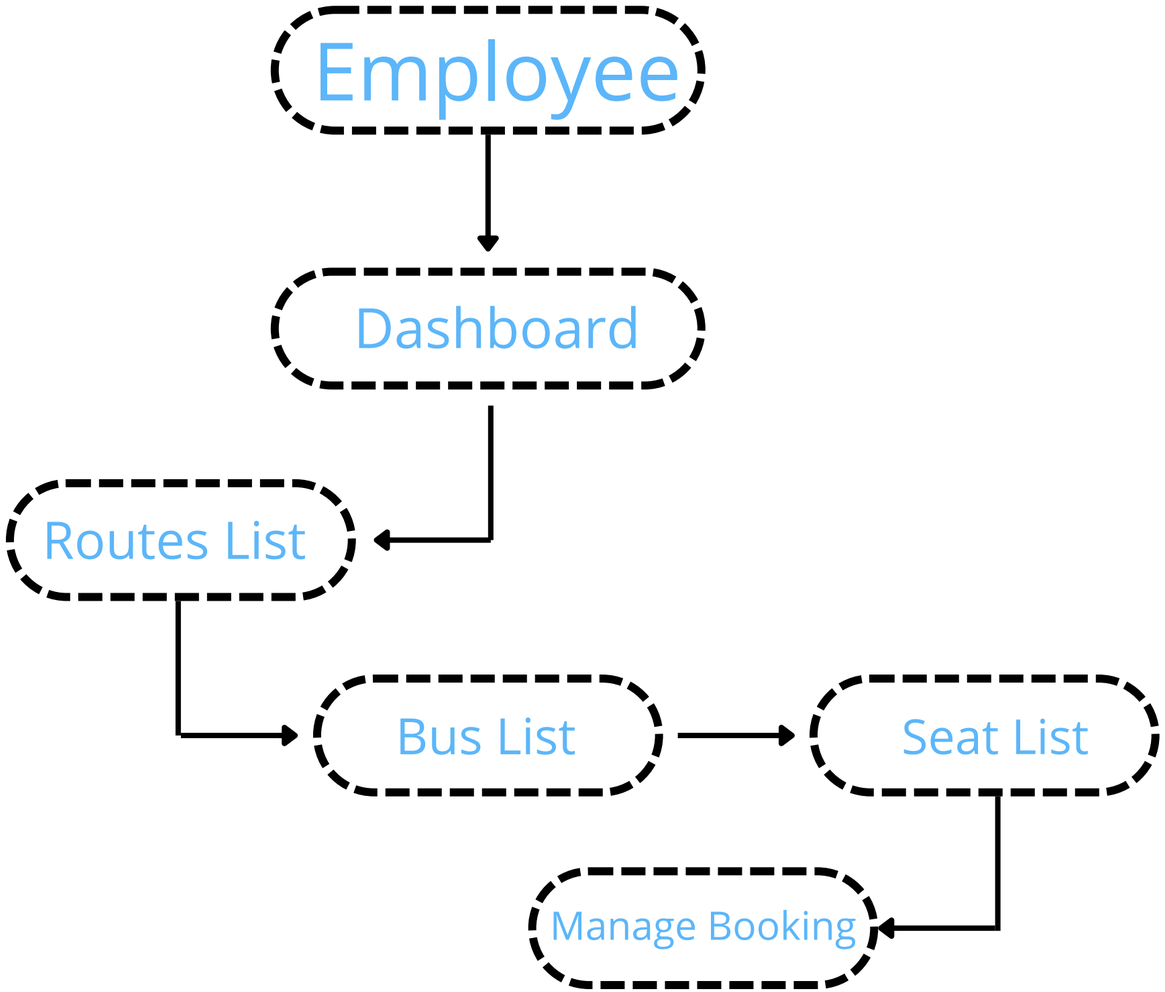
DFD OF USER



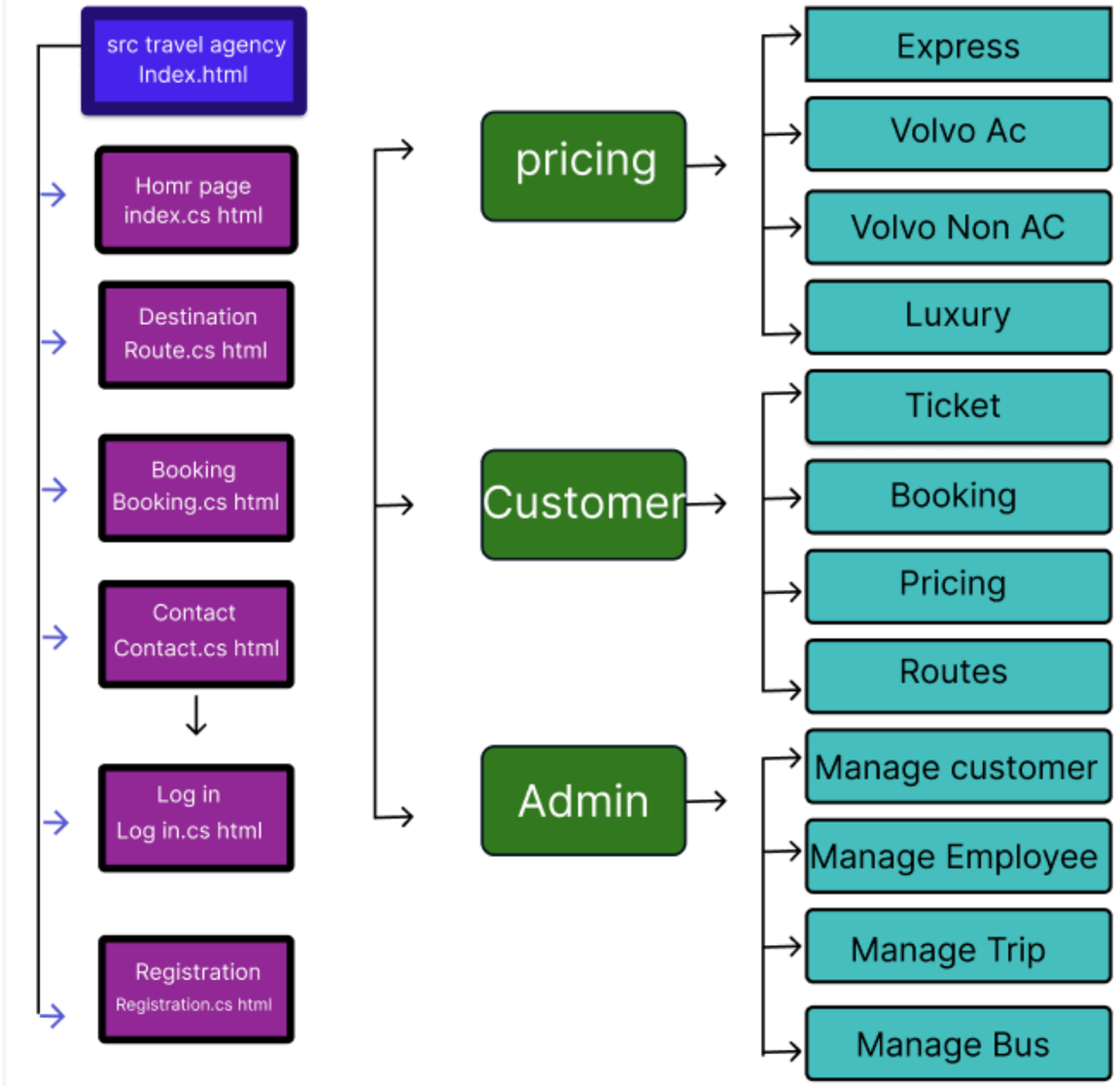
DFD OF ADMIN



DFD OF Employee

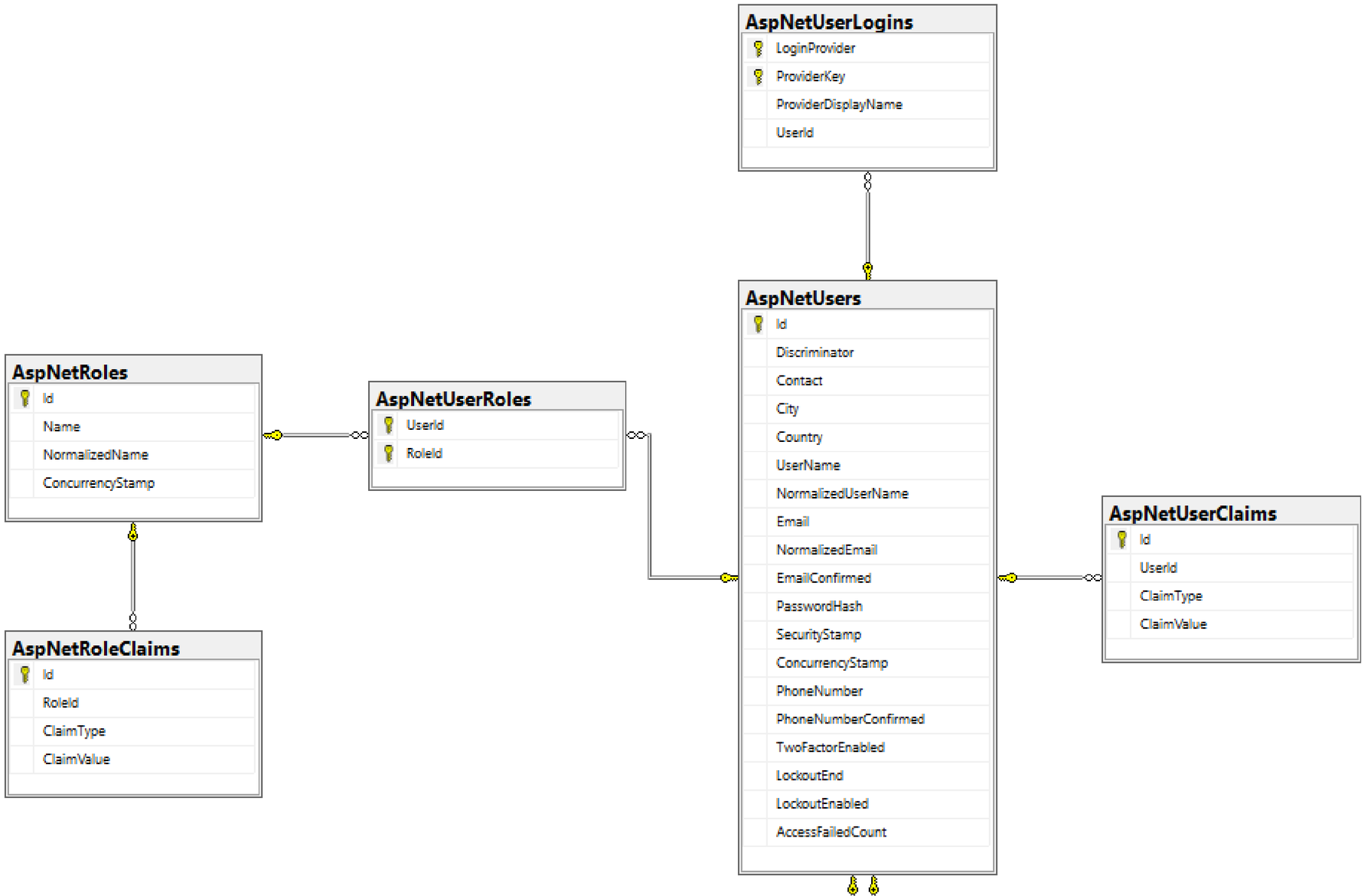


Site Map

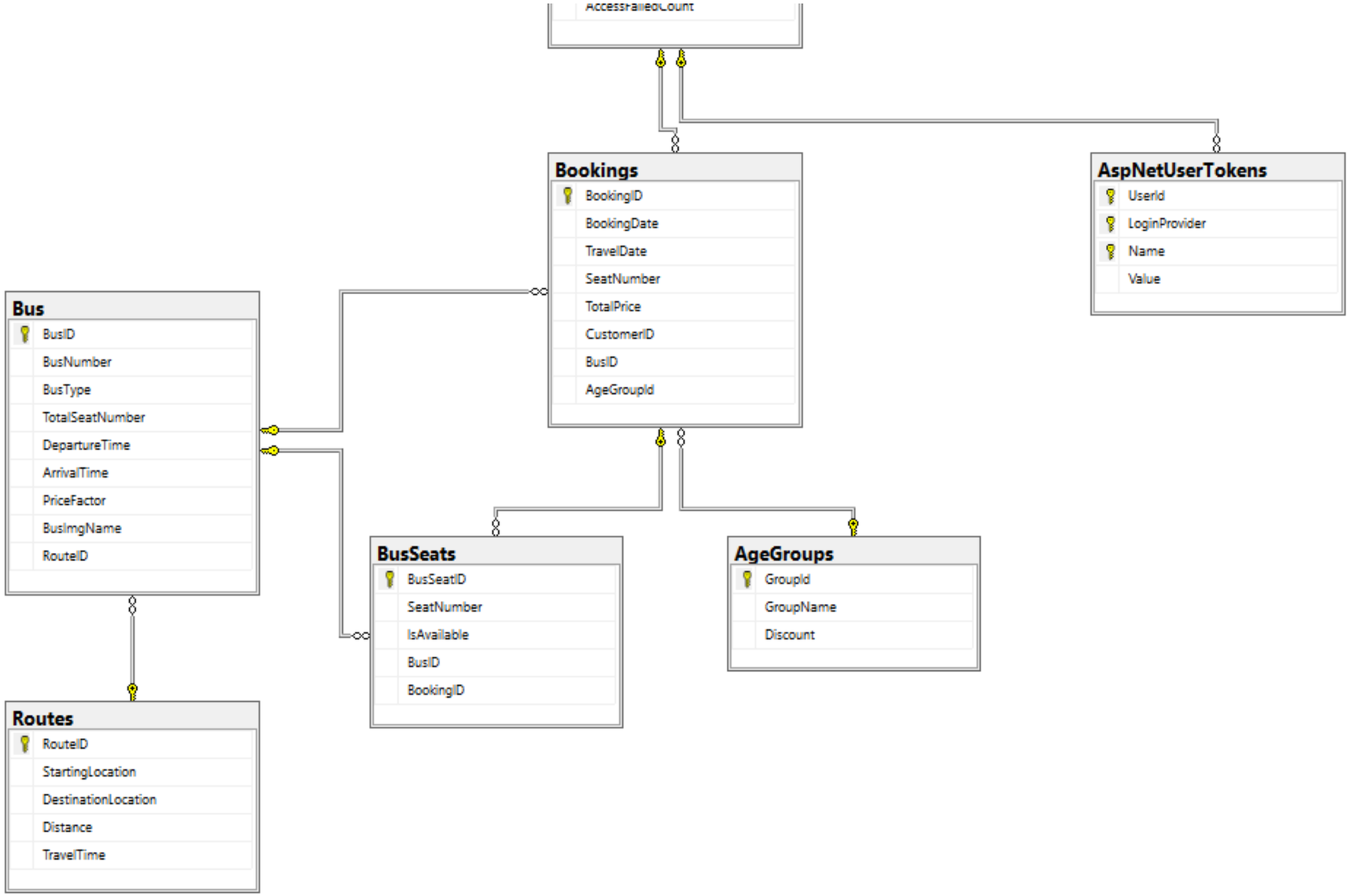

src travel agency
Index.html
Homr page
index.cs html
Destination
Route.cs html
Booking
Booking.cs html
Contact
Contact.cs html
Log in
Log in.cs html
Registration
Registration.cs html
pricing
Customer
Admin
Express
Volvo Ac
Volvo Non AC
Luxury
Ticket
Booking
Pricing
Routes
Manage customer
Manage Employee
Manage Trip
Manage Bus

SCANIA

DATABASE STRUCTURE



DATABASE STRUCTURE



SCREENSHOTS OF DATABASE

	RouteID	StartingLocation	DestinationLocation	Distance	TravelTime
1	1	Karachi	Peshawar	1555	09:04:00.0000000
2	2	Lahore	Sukkur	83	05:04:00.0000000
3	3	Peshawar	Karachi	650	07:54:00.0000000
4	4	kashmir	Karachi	1582	16:54:00.0000000

	BusSeatID	SeatNumber	IsAvailable	BusID
1	1	1	1	1
2	2	2	1	1
3	3	3	1	1
4	4	4	1	1
5	5	5	1	1
6	6	6	1	1
7	7	7	1	1
8	8	8	1	1
9	9	9	1	1
10	10	10	1	1
11	11	1	1	2
12	12	2	1	2
13	13	3	1	2
14	14	4	1	2
15	15	5	1	2

	GroupId	GroupName	Discount
1	1	Child (0-5 years)	100.00
2	2	Child (6-12 years)	50.00
3	3	Adults (13 -50 years)	0.00
4	4	Senior (51+ years)	30.00

SCREENSHOTS OF DATABASE

	Id	Name	NormalizedName	ConcurrencyStamp
1	3d29a9f7-380e-4685-adac-1a2931c240fa	Manager	MANAGER	NULL
2	6544aea0-cd36-449f-9e42-05b6a18cc2d4	Customer	CUSTOMER	NULL
3	7c7fb605-0c0f-42dd-857b-1b6e5359c31a	Admin	ADMIN	NULL

	BusID	BusNumber	BusType	TotalSeatNumber	DepartureTime	ArrivalTime	PriceFactor	BusImgName	RouteID
1	1	EXP - 420	Express	10	2024-11-22 11:04:00.0000000	2024-11-23 02:06:00.0000000	5000.00	d7d7c029-a042-4be1-85d8-3edfbaaad0f9_bus 4.jpg	1
2	2	LUX - 578	Luxury	12	2024-11-23 02:11:00.0000000	2024-11-24 04:08:00.0000000	6500.00	c45613c7-47de-4d4d-a7f1-e5148a3e91f8_bus 2.jpg	2
3	3	VOL - 911	VOLVO NON_AC	8	2024-11-30 04:19:00.0000000	2024-12-02 03:19:00.0000000	8000.00	165445e3-1dfc-4a40-a5db-68f9002bd39f_bus 4.jpg	3
4	4	VOL - 917	VOLVO AC	6	2024-11-23 03:20:00.0000000	2024-11-29 10:20:00.0000000	8900.00	51e48a86-0578-4b6f-b9b5-d416af5969eb_bus 3.jpg	4

	BookingID	BookingDate	TravelDate	SeatNumber	TotalPrice	CustomerID	BusID	AgeGroupId
1	2	2024-12-06 11:05:00.0000000	2024-12-11 11:05:00.0000000	25	4000.00	64c30a5a-2218-471d-9138-59f767781f18	3	2

THANK YOU