ONLINE BUS BOOKING PROJECT

Problem Statement:-

Online Bus Booking System

Theory:-

Online Bus Booking System is Web Based application,That works with in centralised network,It Provides facility to reserved seats,different type of enquiry which need an instant and quick reservation. Buses may be used for scheduled bus transport, scheduled coach transport, school transport, private hire, or tourism; promotional buses may be used for political campaigns and others are privately operated for a wide range of purposes, including rock and pop band tour vehicles.

This project is modularized as the following:

- ➢ **Management of Route**

- ➢ **Trip Details**

- ➢ **Bus Details**

- ➢ **Bus Ticketing**

1. Management of Routes

This module include information about how we can Manage the routes for a particular bus services so In the case of Route management module we must know the details about route number, number of stops ,fare stages and running

time of the particular bus more over we want to manipulate and stored these information successfully.

2. Trip information

Each journey is identified as a trip. Each ticket must contain the trip no so that calculation of passenger can be done easily. Here in this section we want to know start time and route no of the bus this information can be manipulate and stored successfully.

3. Bus Detail

In this module all bus details are stored and manipulated, in bus detail module contains minimum charge, type, depot, fare increment, bus number, and passenger's states (child or adult) are manipulate and stored.

4. Bus Ticketing

Ticketing is the most important module in this Project which uses all the tables together and calculates fare for the passengers. Venting the tickets is done using the route number, bus type, beginning stop, end stop, ticket number, persons(Adult/child)rate, date and time also we want to print the all these information. In order to do the calculation data has to be pulled out from stops, bus, trip and route. Number of passengers & the states are entered by the Venter and to produce the tickets.
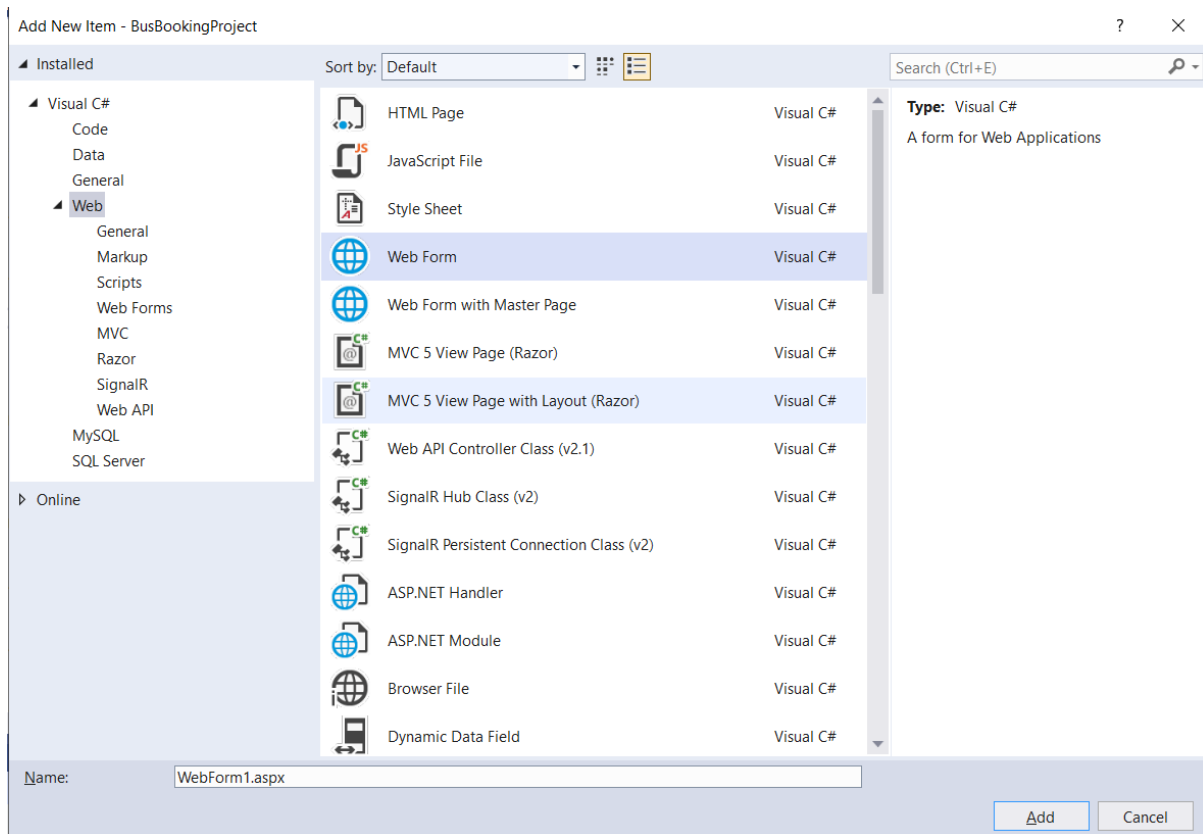
Steps:

1. In Visual Studio select new project

2. Select ASP.Net web application template
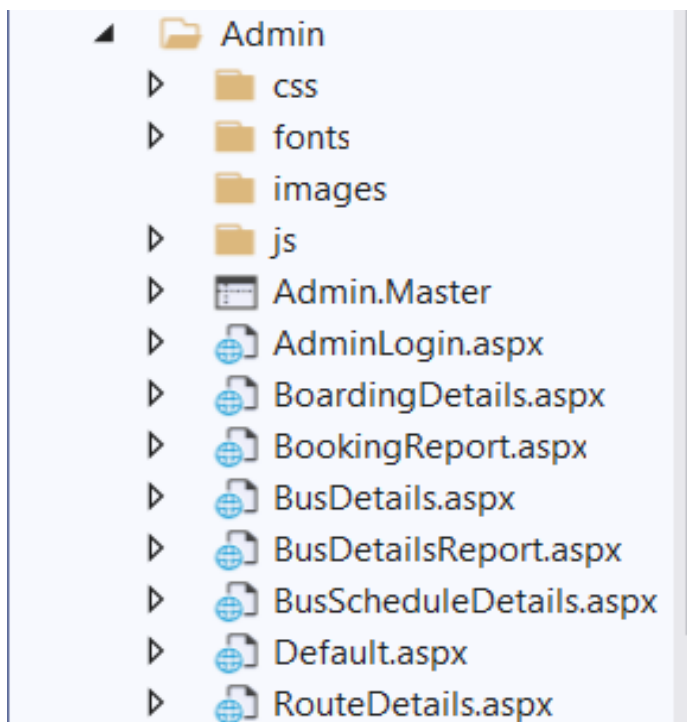
3. Name the project as BusBookingProject
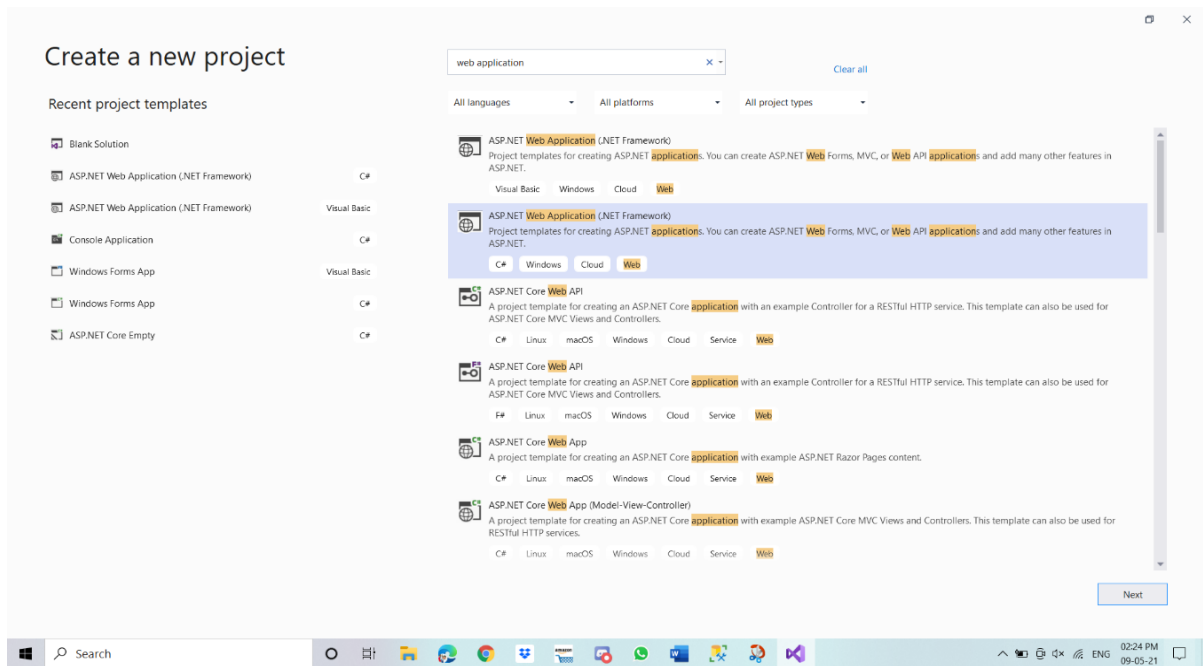
4. Now we create a separate Admin module in which we create all functionality of Admin.
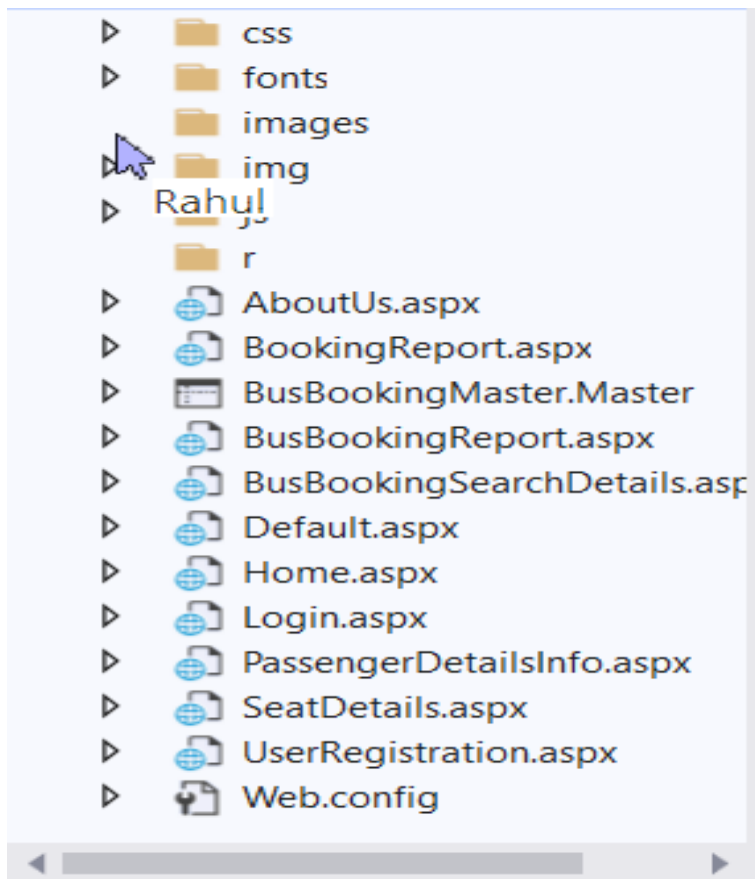5. Add new Folder name Admin in Project.
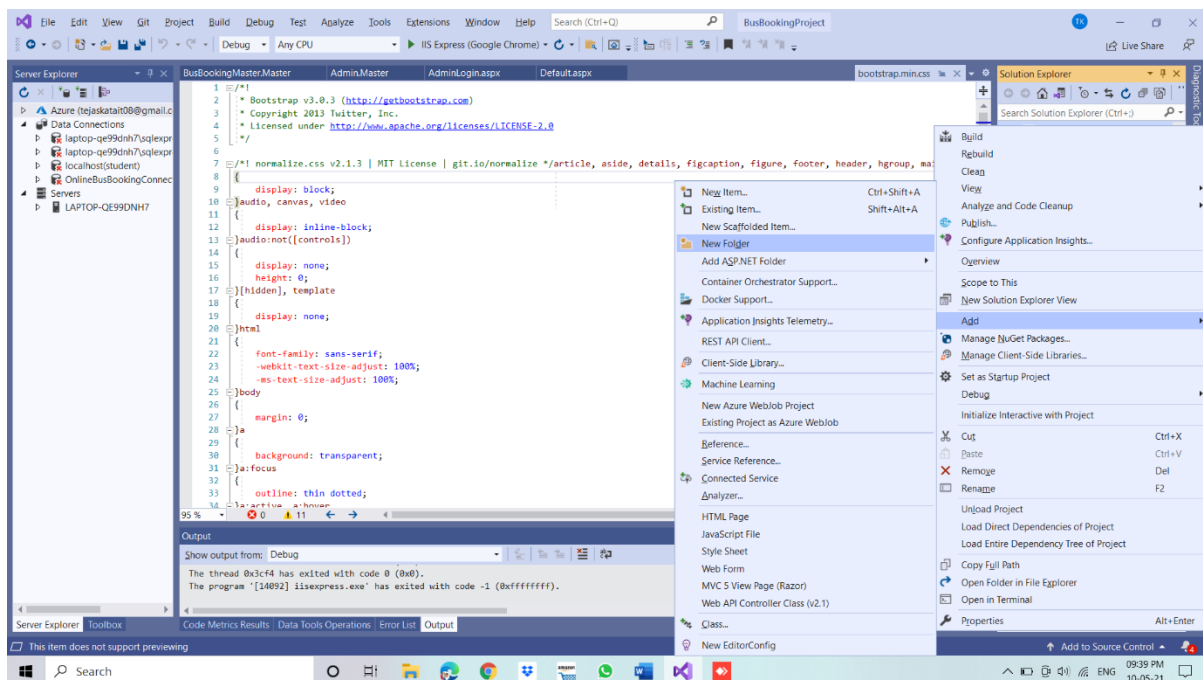
6.As shown in the above photos follow these steps to create new webform and folders

7.Create folders and webforms in Admin section as follows:

8. Now we will create our user module where main startup pages and other webform will be available.as shown in below picture:
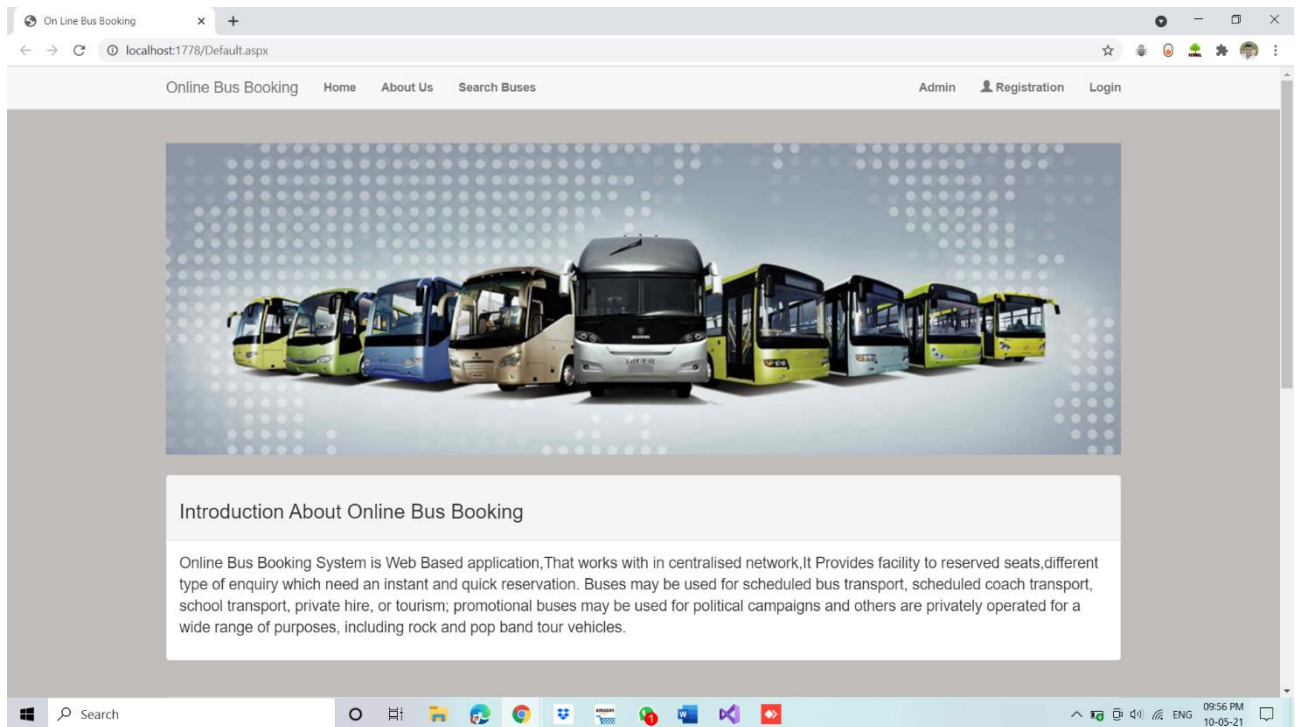

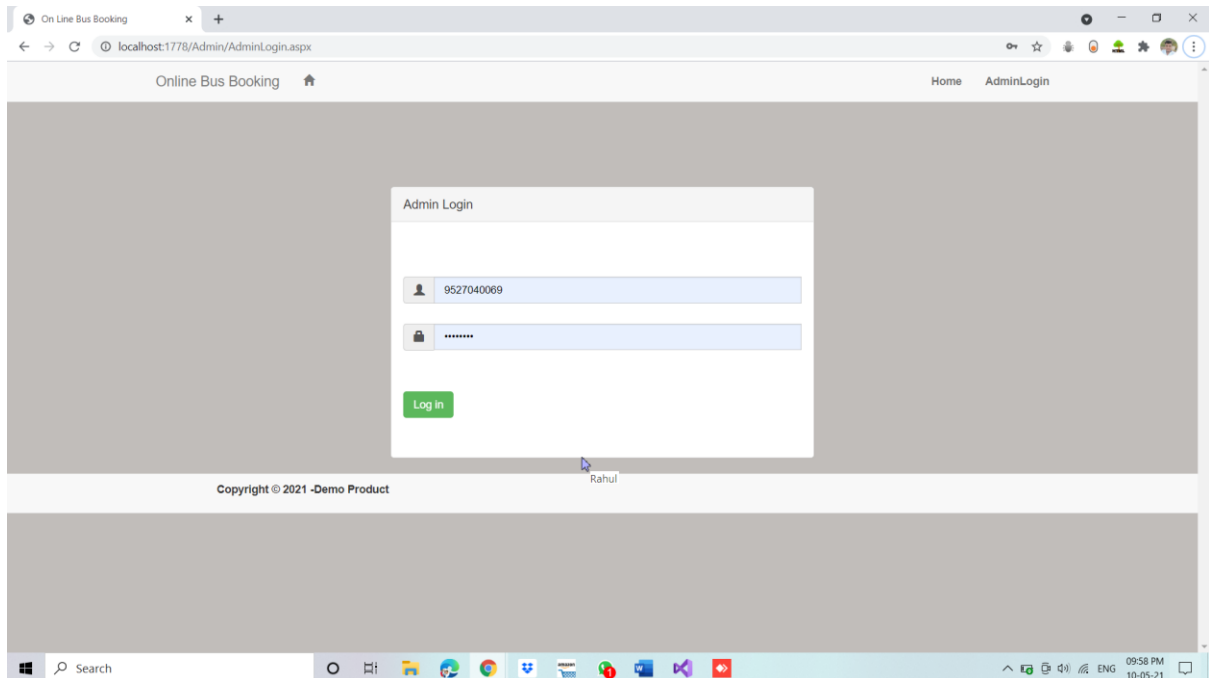Here is the link of our Github repository:

Now from here you can create your own project or you just open it in your visual studio. Database query is also available there.

Now execute your project by setting Default.aspx webform as startup page...

- So this is our startup page:

- Now by clicking on Admin button you will redirect to admin section.

- After login, you will get options like add bus, Route details, Booking Report, Bus details Report.

Sr.No	Bus ID	Bus No	Bus Name	Bus Type	Seat Columns	Seat Row	Origin	Destination	Action
1	3	NV245632	Neeta Volvo	AC	7	5	Mumbai	Pune	Update Details Add Bus Schedule
2	4	64656	Atul Bus	AC	9	6	Nallasopara	Churchgate	Update Details Add Bus Schedule
3	5	A254635	Abhinav Transporters	AC	7	5	Mumbai	Surat	Update Details Add Bus Schedule
4	6	A254635	Vasai-Virar	Normal	9	6	Vasai	Virar	Update Details Add Bus Schedule
5	7	AV3526	Mercedes-Benz	AC	4	6	Khamgaon	Warora	Update Details Add Bus Schedule
6	8	4272	ShivShahi	AC	5	8	Nashik	Aurangabad	Update Details Add Bus Schedule

---

Sr.No	Route ID	Origin	Destination	Action
1	3	Mumbai	Pune	Add Boarding Points
2	4	Nallasopara	Churchgate	Add Boarding Points
3	5	Mumbai	Surat	Add Boarding Points
4	6	Vasai	Virar	Add Boarding Points
5	7	Khamgaon	Warora	Add Boarding Points
6	8	Nashik	Aurangabad	Add Boarding Points

Booking Report screen:

Sr.No	Bus Name	Passenger Name	Email ID	Contact No	Origin	Destination	Travel Date	Seat No	Fare	Booked By
1	Neeta Volvo	AnandSingh	abc@gmail.com	8291951419	Mumbai	Pune	25 Mar 2017	34	800.00	AnandSingh
2	Neeta Volvo	AnmoSharma	abc@gmail.com	9029451159	Mumbai	Pune	25 Mar 2017	35	800.00	AnandSingh
3	Neeta Volvo	AtulDubey	atul@gmail.com	98989898	Mumbai	Pune	25 Mar 2017	32	800.00	AtulDubey
4	Abhinav Transporters	AtulDubey	atul@gmail.com	9561454638	Mumbai	Surat	30 Mar 2017	31	800.00	AnandSingh
5	Abhinav Transporters	AmitDubey	a@gmail.com	8888245689	Mumbai	Surat	30 Mar 2017	32	800.00	AnandSingh
6	Abhinav Transporters	SurajDubey	a@gmail.com	8945621547	Mumbai	Surat	30 Mar 2017	33	800.00	AnandSingh
7	Abhinav Transporters	NehaDubey	neha@gmail.com	9029451159	Mumbai	Surat	28 Mar 2017	26	500.00	JitendraDubey
8	Neeta Volvo	AtulDubey	atul@gmail.com	9029451159	Mumbai	Pune	30 Mar 2017	11	250.00	JitendraDubey
9	Neeta Volvo	KiranDubey	kiran@tiwari.com	8888245689	Mumbai	Pune	30 Mar 2017	12	250.00	JitendraDubey
10	Neeta Volvo	TejasKatait	tejaskatait08@gmail.com	9527040069	Mumbai	Pune	30 Mar 2017	16	250.00	TejasKatait
11	Neeta Volvo	rahulNimkande	rknimkande@gmail.com	5655464666	Mumbai	Pune	30 Mar 2017	17	250.00	TejasKatait
12	Neeta Volvo	vedantiKatait	vedantikatait50@gmail.com	7766546538	Mumbai	Pune	30 Mar 2017	6	250.00	TejasKatait
13	Neeta Volvo	tk	teue@gmail.com	5647654763	Mumbai	Pune	30 Mar 2017	21	250.00	TejasKatait
14	Neeta Volvo	rk	ytruytr@gmail.com	6547653753	Mumbai	Pune	30 Mar 2017	22	250.00	TejasKatait
15	Mercedes-Benz	rahul nimkande	rknimkande@gmail.com	7766546538	Khamgaon	Warora	09 May 2021	1	500.00	TejasKatait
16	ShivShahi	Sujit Pardeshi	sujitpardeshi@gmail.com	8765643357	Nashik	Aurangabad	11 May 2021	9	380.00	TejasKatait

Bus Details Report screen:

| Sr.No	Bus ID	Bus No	Bus Name	Bus Type	Seat Columns	Seat Row	Origin	Destination	Action
1	3	NV245632	Neeta Volvo	AC	7	5	Mumbai	Pune	Update Details Add Bus Schedule
2	4	64656	Atul Bus	AC	9	6	Nallasopara	Churchgate	Update Details Add Bus Schedule
3	5	A254635	Abhinav Transporters	AC	7	5	Mumbai	Surat	Update Details Add Bus Schedule
4	6	A254635	Vasai-Virar	Normal	9	6	Vasai	Virar	Update Details Add Bus Schedule
5	7	AV3526	Mercedes-Benz	AC	4	6	Khamgaon	Warora	Update Details Add Bus Schedule
6	8	4272	ShivShahi	AC	5	8	Nashik	Aurangabad	Update Details Add Bus Schedule

- Now in User module default page you will get registration page and login page.
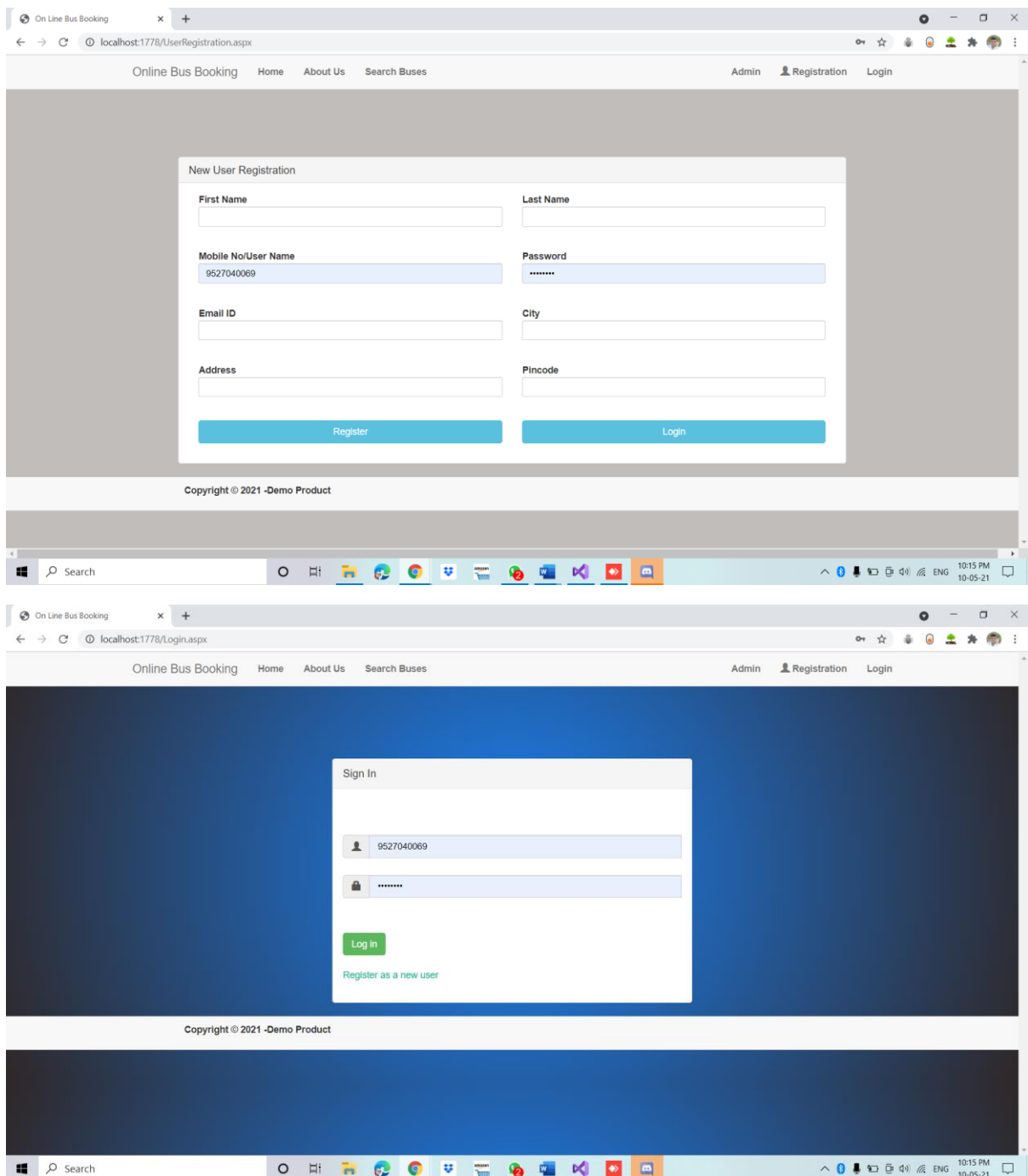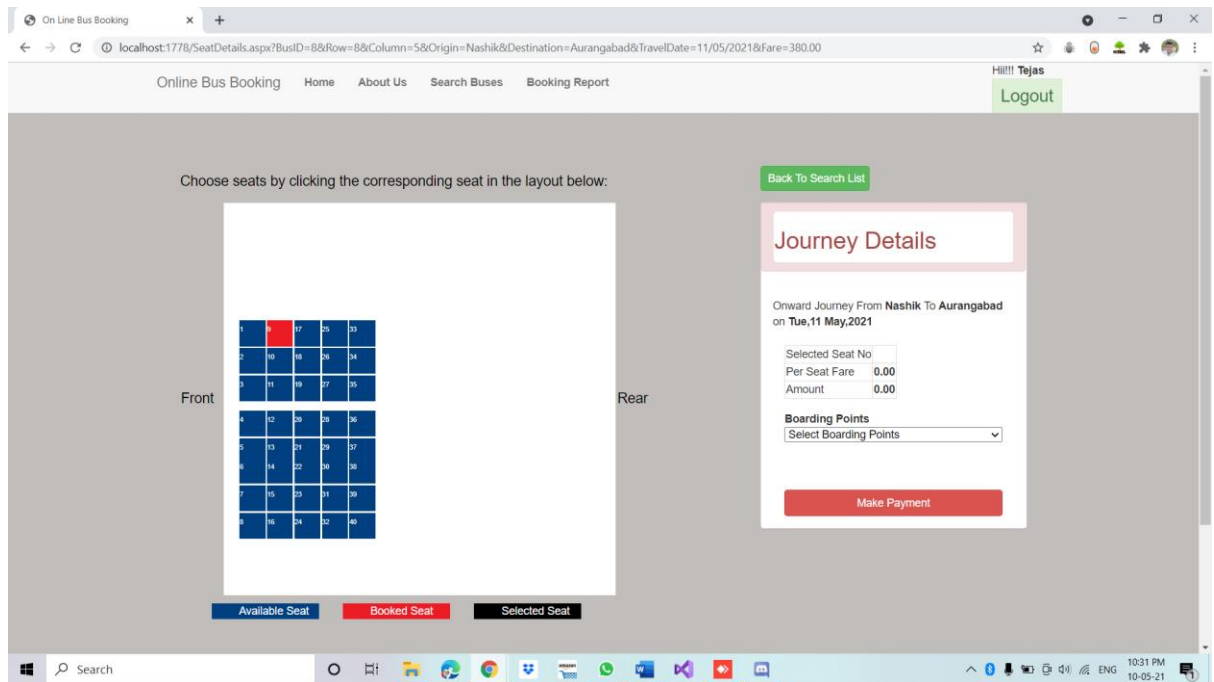
- After registering successfully you will get a username and password then login using it.
 After login you will get options like search buses, Booking Report.
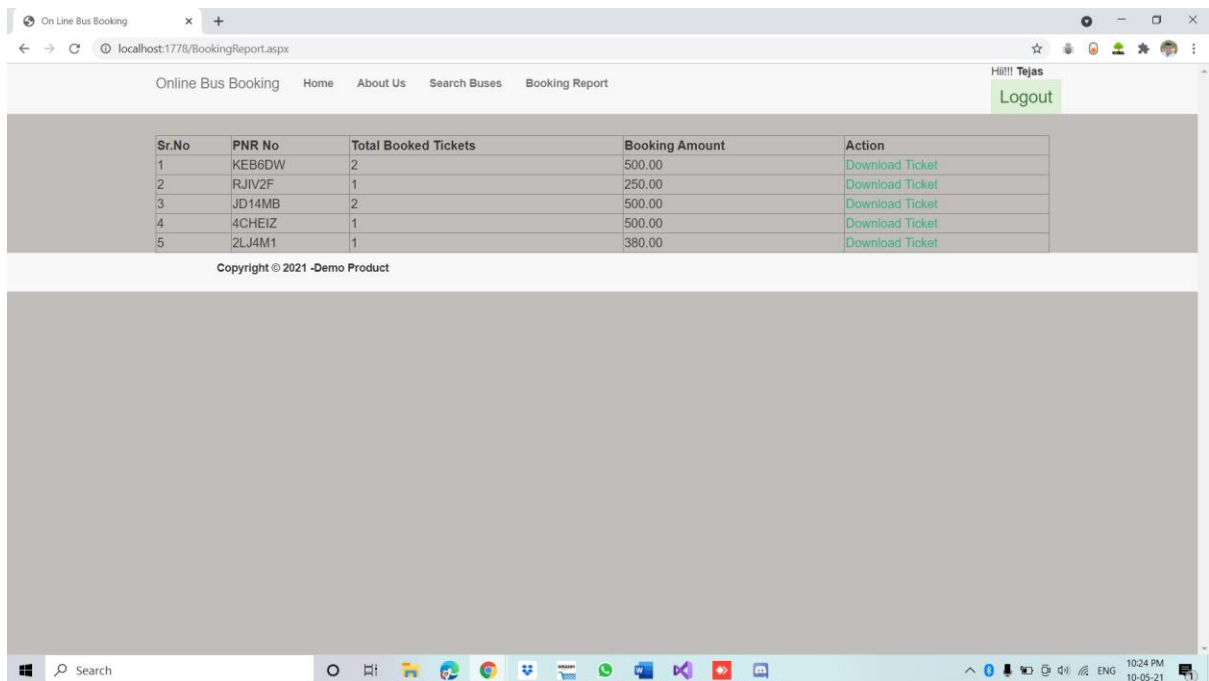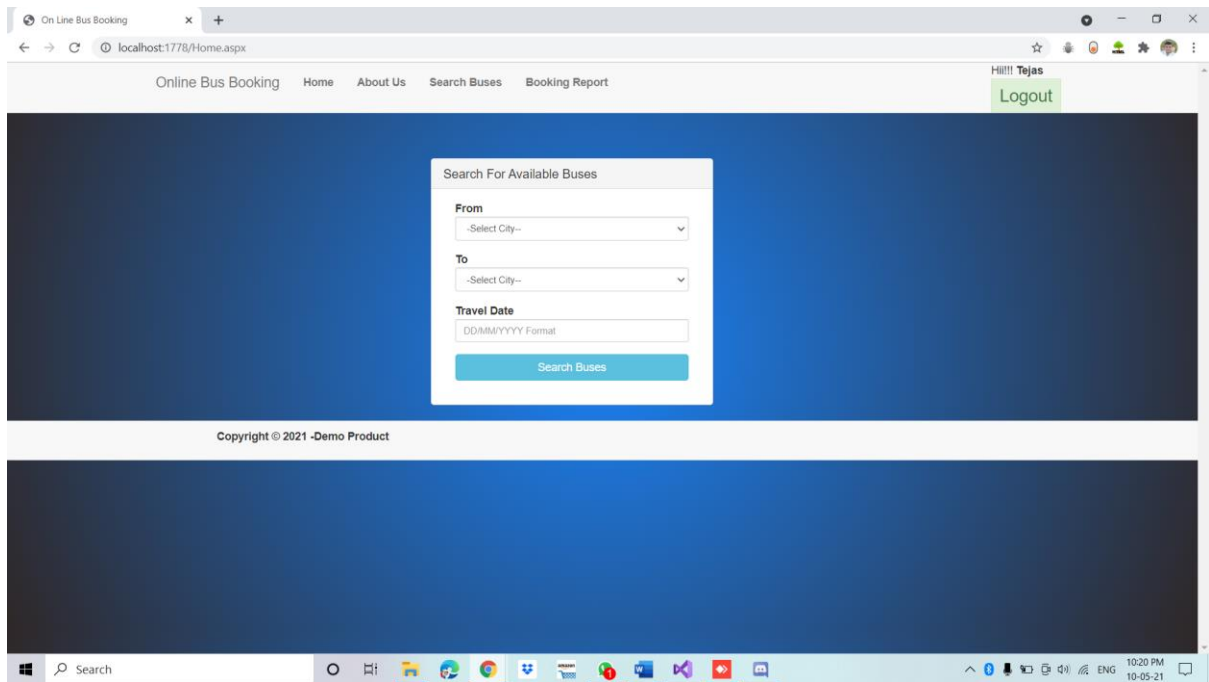
- After searching your desired bus you will get a select option and then you will proceed towards your booking.

- Then you will have to select available seats and then boarding point and then enter your details and confirm your booking and proceed your payment.
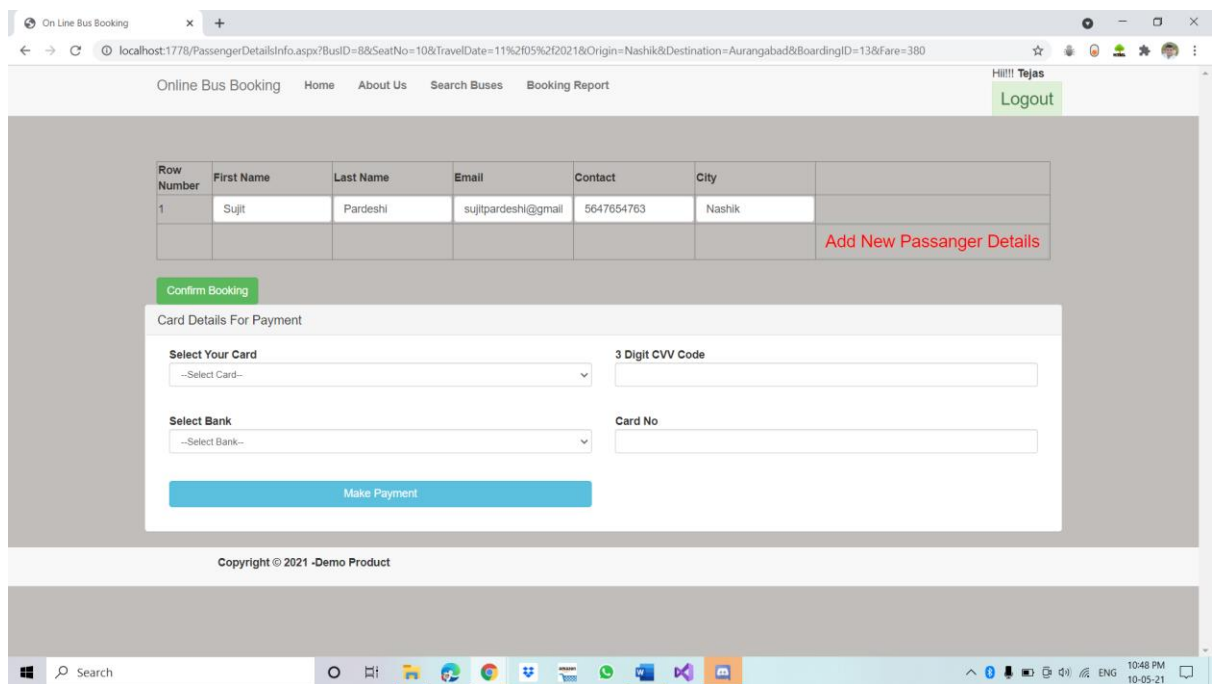
- After making payment you will get a option of download ticket.
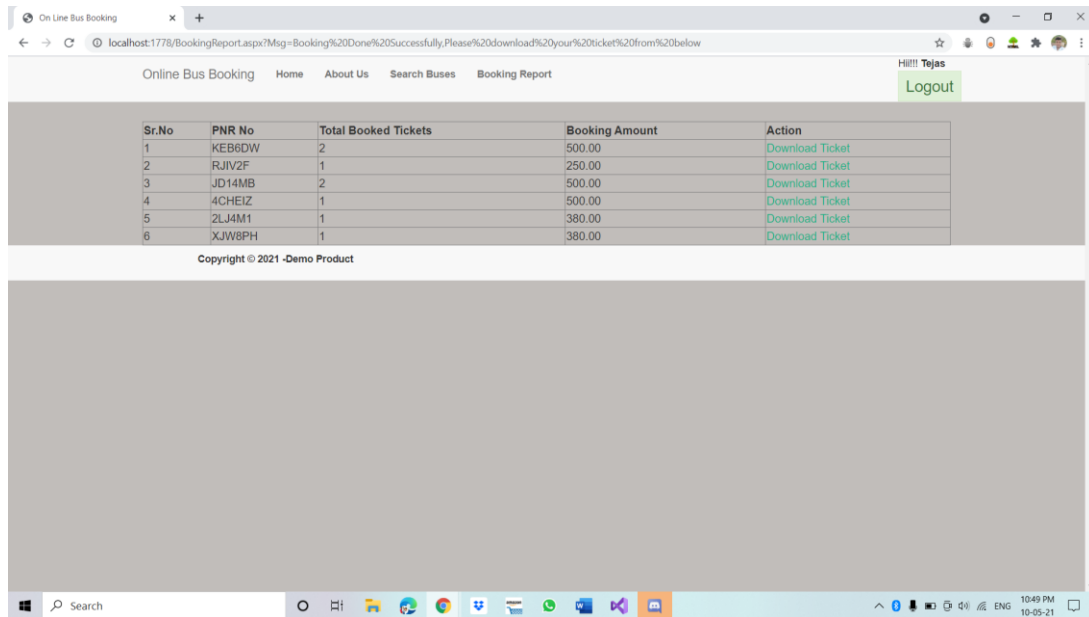
Online Bus Booking

PNR Details

PNR No	XJW8PH
Total Tickets	1
Total Amount	380.00
Bus Name	ShivShahi

Passenger's Details

Sr.No	First Name	Last Name	Contact	SeatNo	Travel Date	From	To	Boarding Place
1	Sujit	Pardeshi	5647654763	10	11/05/2021	Nashik	Aurangabad	thakker bajar

Thank you for booking Ticket with us,have a pleasant journey!!!!

Conclusion : We can Successfully created a Online Bus Booking System in Asp.net C#, You can book a bus ticket using this web application, and also you can add your Bus and Bus details in this web Application.