

A
Project Report On

“ONLINE BUS BOOKING”

SHIVAJI UNIVERSITY, KOLHAPUR

“BACHELOR OF COMPUTER APPLICATION”

FOR THE AWARD OF

Bachelor Of Computer Application

BCA-III (SEM VI)

SUBMITTED BY

Miss. Shivani Prakash Desai

Miss. Sakshi Indrajeet Jadhav

UNDER THE GUIDANCE OF

Mr. R. S. Sawant

THROUGH

VIVEKANAND COLLEGE KOLHAPUR (2018-19)



CERTIFICATE

This is to certify that,

Miss. Shivani Prakash Desai
Miss. Sakshi Indrajeet Jadhav

B.C.A-III (SEM-VI) has submitted this project entitled "ONLINE BUS BOOKING" For the present semester, this project is carried out under my guidance and supervision and best of my knowledge, this is their original work and has not been present earlier.

Place: Kolhapur

Date: 18/004/2018

Miss. R. S. Sawant

(Guide)

MR. V. B. Pujari

HEAD

**DEPARTMENT OF B. C. A.
VIVEKANAND COLLEGE, KOLHAPUR
(AUTONOMOUS)**

Examiner :

- 1)
- 2)

Acknowledgement

It is our great pleasure that we submitted the project entitled "ONLINE BUS BOOKING" We thankfully acknowledged the endless help and support that we have obtained from "Mr.S.S.Kale" (HOD of BCA) from the stage the project was conceived. The journey of this project was possible due to

our project guide " Mr.R.S.Sawant " For giving us valuable guidance for the completion of the project. Last but not least, we would like to express our sincere gratitude to those who have helped directly or indirectly in our project.

Place: Kolhapur

DECLARATION

We undersigned hereby declare that this report entitled "ONLINE BUS BOOKING" is an original work prepared by us under the guidance of Prof "Mr.R.S.Sawant" The empirical findings in this report are based on data collected by us. The matters reported in this report are not copied from any source.

We understand that any such copy is liable for punishment in any way the university authorities deem to fit. This work has not been submitted to the award of a degree to VCK (Autonomous), Kolhapur.

This work is humbly submitted to VCK (Autonomous), Kolhapur for the award of the degree of Bachelor of Computer Application (B.C.A).

Place: Kolhapur

Date: 18/04/2018

NAME

Miss. Shivani Prakash Desai

S.P. Desai

Miss. Sakshi Indrajeet Jadhav

Jadhav

INDEX

Sr. No	Contents	Page No.
1	Introduction To Project	6
2	Proposed System	8
3	System Analysis	10
4	System Design	15
5	Implementation	19
6	Conclusion	21
7	References	23

INTRODUCTION TO PROJECT

1. Introduction:

The Online Bus Booking System is a web-based application designed to streamline and enhance the efficiency of the bus reservation process. Operating within a centralized network, this system offers a user-friendly platform for individuals to reserve seats and make various inquiries, ensuring a quick and instant reservation experience. Whether for scheduled bus transport, coach transport, school trips, private hires, or tourism purposes, the Online Bus Booking System caters to diverse needs. Additionally, it accommodates promotional buses, which find applications in political campaigns, and serves the operational requirements of privately operated vehicles, such as those used for rock and pop band tours.

2. Existing System:

Traditionally, bus reservations involved manual processes, often leading to inefficiencies and delays. The existing system may rely on physical ticket counters, phone reservations, or other non-digital methods, resulting in a lack of real-time updates and inconvenience for passengers. This manual approach can lead to errors, overbooking, and difficulties in managing the overall booking process. The need for a more modern, automated system is evident to overcome these challenges.

3. Need and Scope of Computer System:

The need for a computerized bus booking system arises from the limitations of the existing manual processes. The scope of the computer system includes providing a centralized platform for users to reserve seats with ease. This system aims to eliminate the shortcomings of manual booking, ensuring accuracy, efficiency, and real-time updates for both passengers and bus operators. The computerized system also facilitates various inquiries related to bus schedules, availability, and other pertinent information. By leveraging technology, the scope extends to enhancing the overall user experience, reducing errors, and improving the management of bus services.

4. Organization Profile:

The organization implementing the Online Bus Booking System is committed to revolutionizing the bus reservation process. With a focus on leveraging technology to provide a seamless booking experience, the organization aims to bridge the gap between traditional methods and modern requirements. The system aligns with the organization's vision of promoting efficiency, accuracy, and customer satisfaction in the transportation industry. The organization understands the diverse applications of bus services, ranging from public transportation to specialized needs like school trips, private hires, and promotional campaigns, and seeks to cater to these varied requirements through the implementation of the Online Bus Booking System.

PROPOSAL SYSTEM

Introduction:

The Online Bus Booking Documentation outlines a transformative web-based system for efficient bus reservations. In a world where technology drives convenience, this platform seeks to revolutionize the way people reserve seats and access critical information in the transportation sector.

Objectives:

The primary goals include enhancing user experience, streamlining reservation processes, and centralizing booking operations. The system aims to provide a user-friendly interface, real-time updates, and collaborative features for a seamless booking experience.

Requirement Engineering:

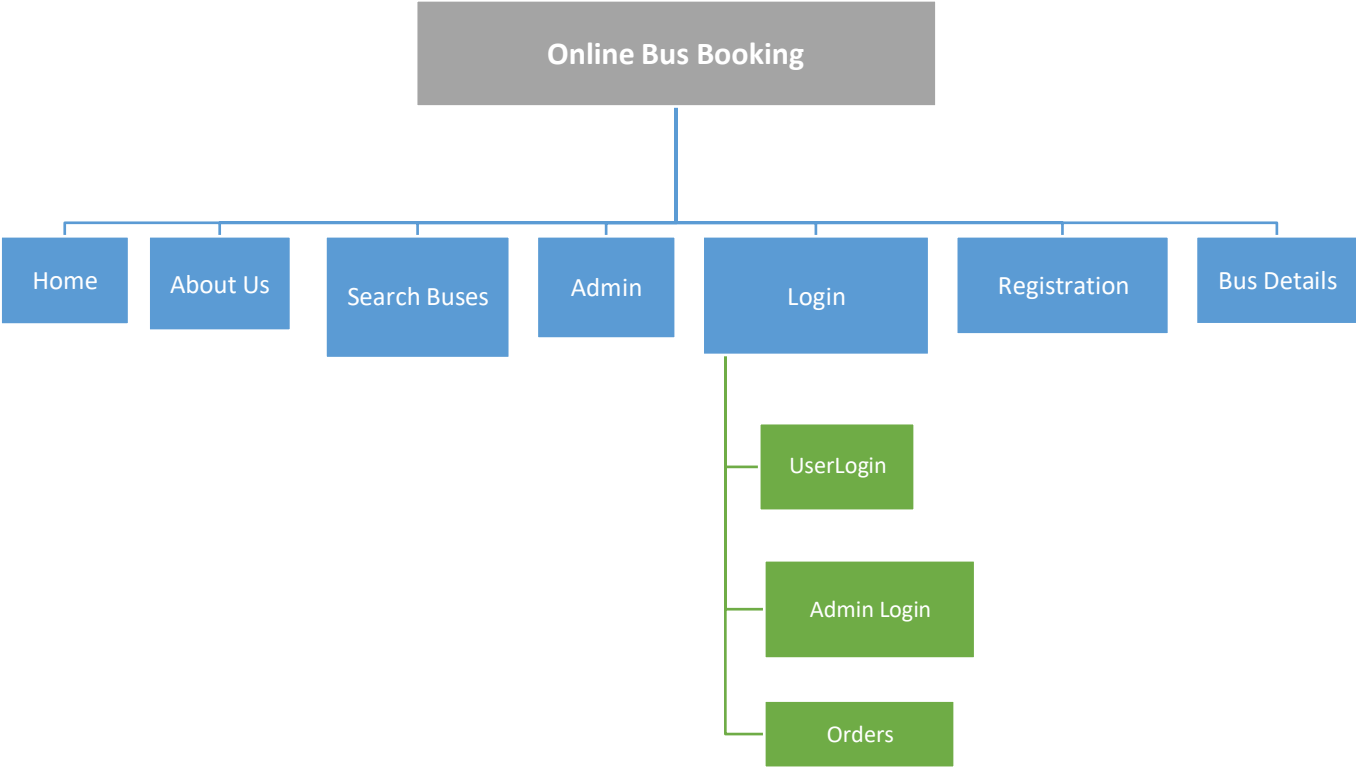
The documentation emphasizes systematic approaches to gather, document, and manage project requirements. By prioritizing stakeholder needs, it ensures the development aligns with organizational goals.

Requirements Gathering:

This phase employs interviews, surveys, workshops, and prototyping to collect comprehensive stakeholder input, ensuring a robust foundation for effective system design and implementation.

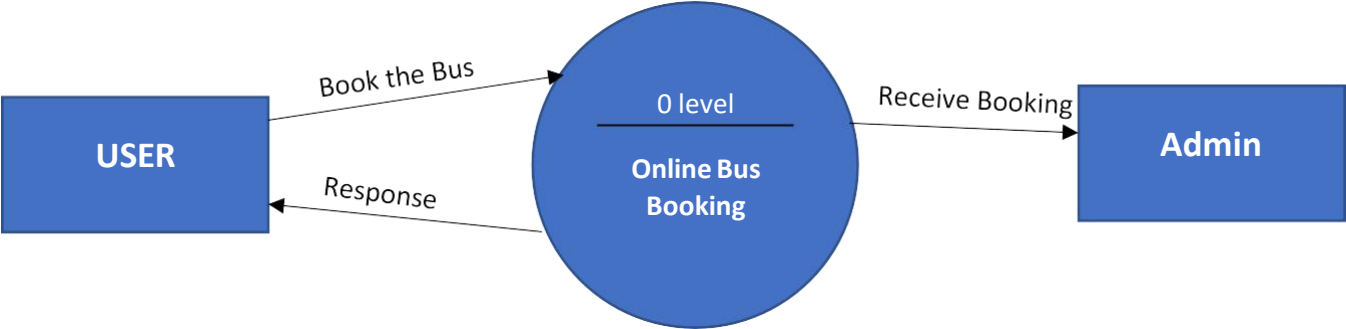
SYSTEM ANALYSIS

1.Site Map:

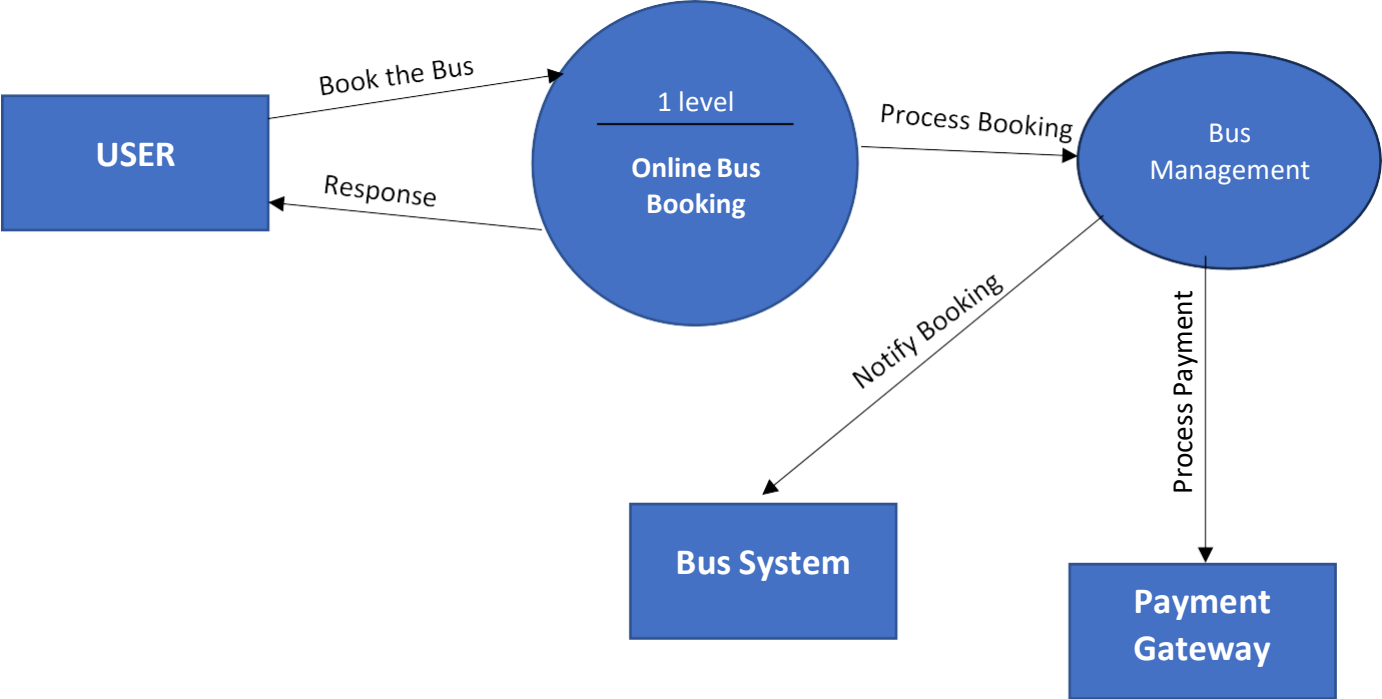


2.Data Flow Diagram

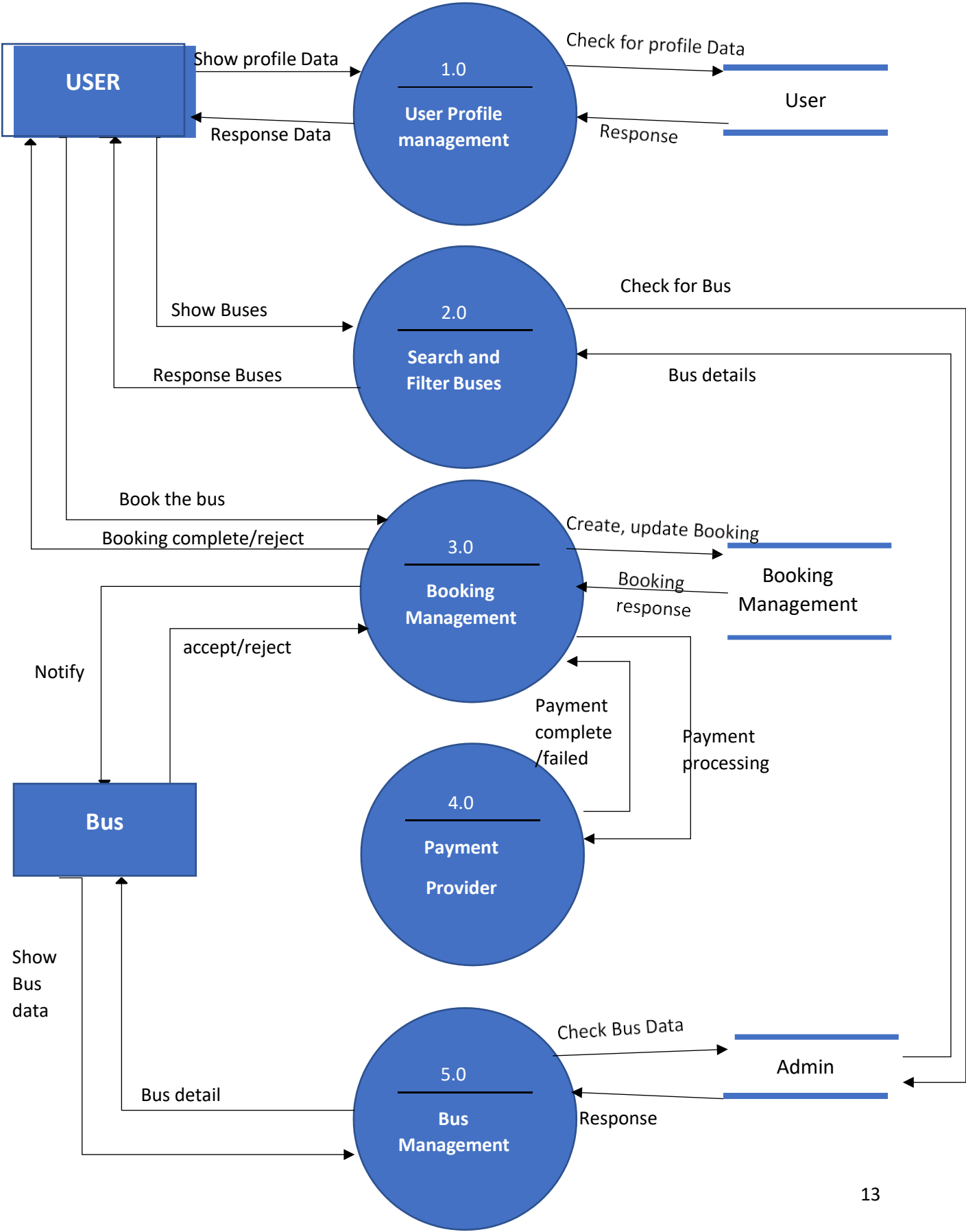
Level 0:



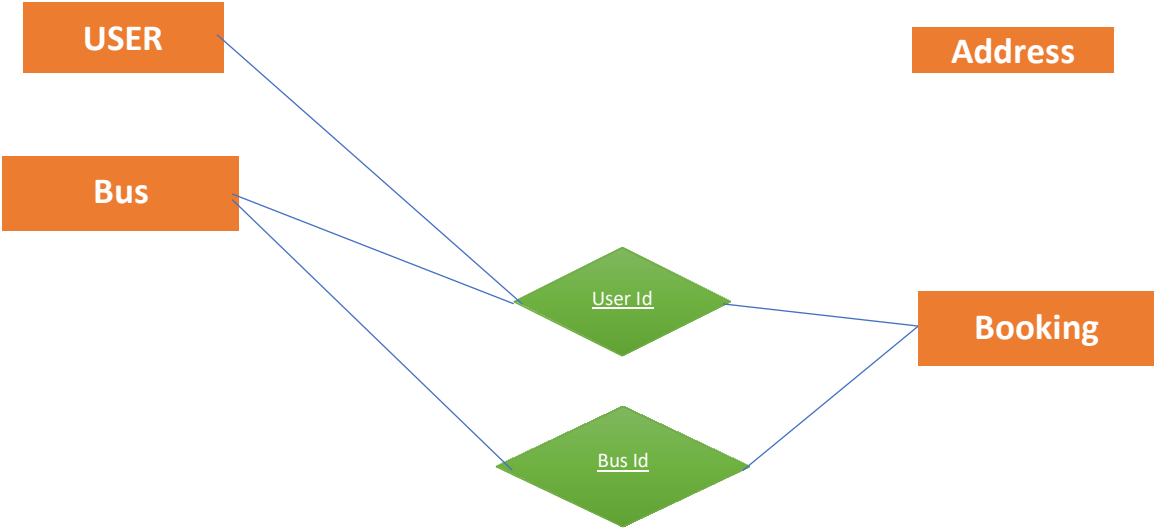
Level 1:



Level 2:



3.Entity-Relationship Diagram of YumStreet



SYSTEM DESIGN

Online Bus Booking Home About Us Search Buses Admin Registration Login

Introduction About Online Bus Booking

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.

Online Bus Booking Home AdminLogin

Admin Login

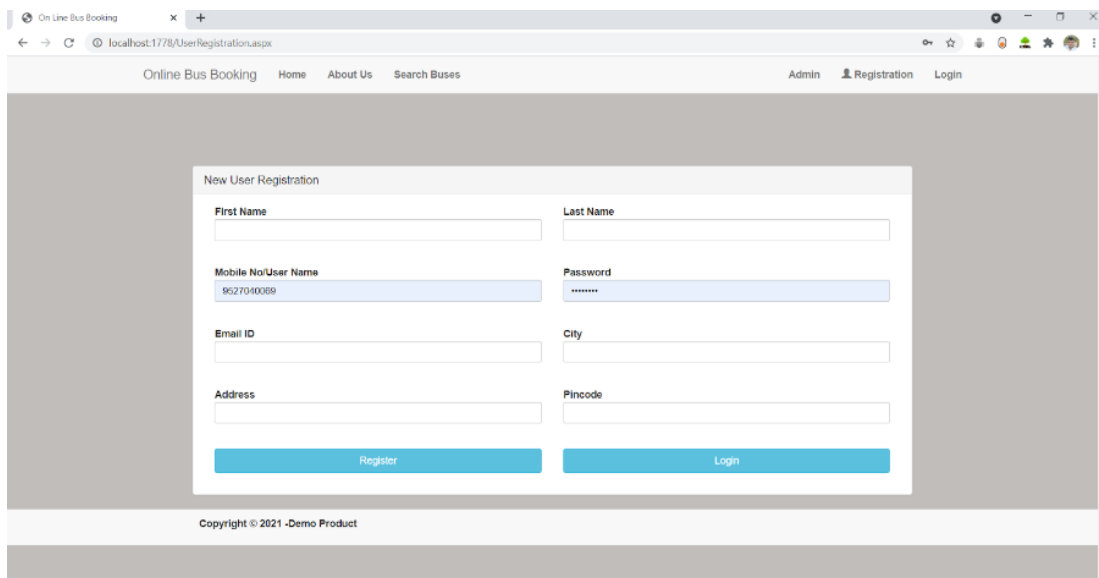
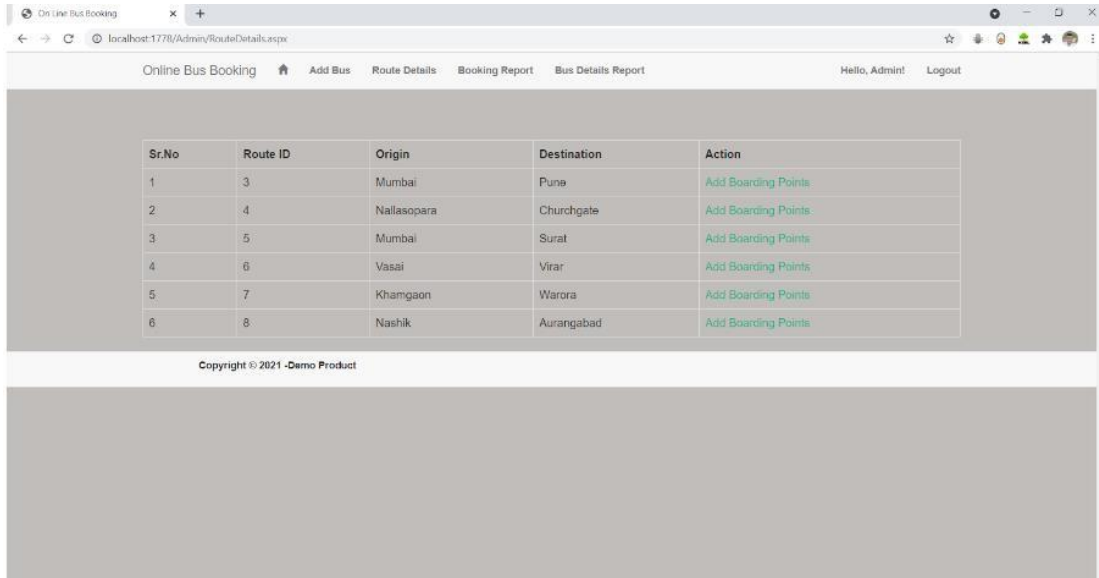
User ID: 9527040089
 Password: *****
 Log In

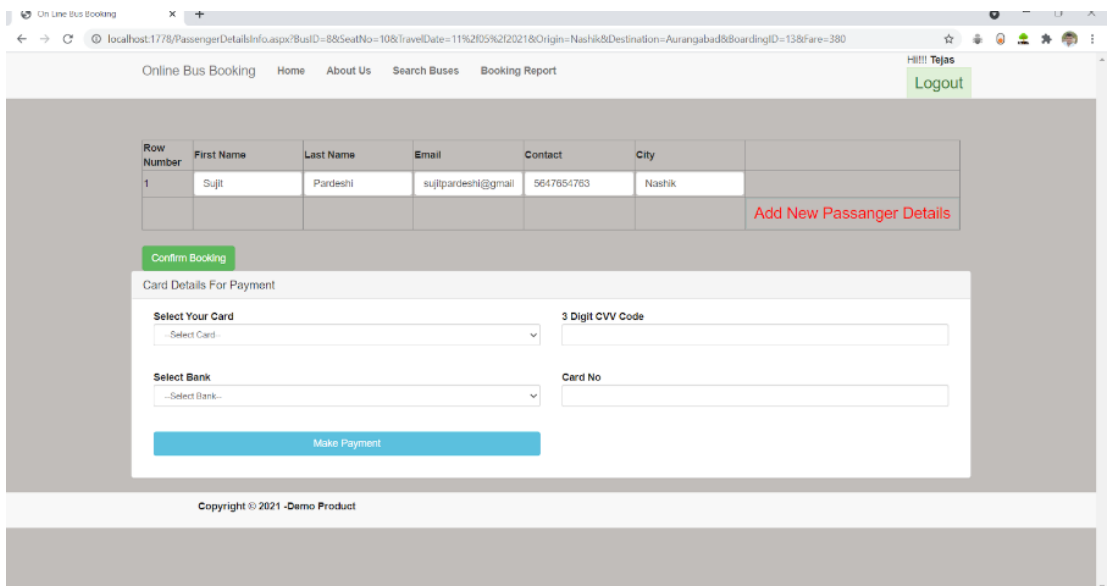
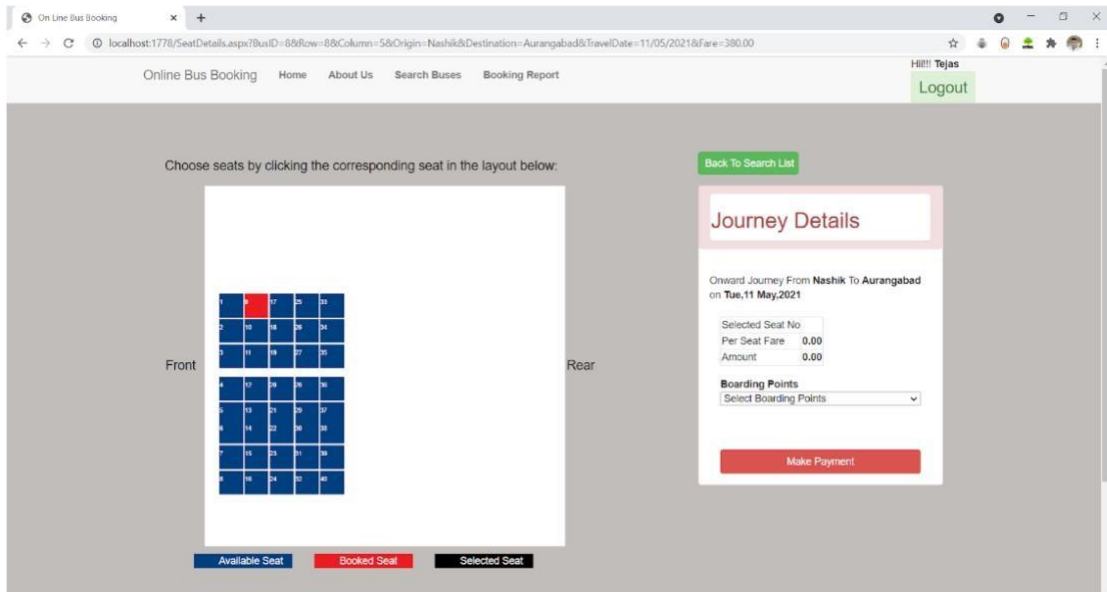
Copyright © 2021 - Demo Product

Online Bus Booking Add Bus Route Details Booking Report Bus Details Report Hello, Admin! Logout

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	A254835	Abhinav Transporters	AC	7	5	Mumbai	Surat	Update Details Add Bus Schedule
4	6	A254835	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

Copyright © 2021 - Demo Product





IMPLEMENTATION

System Requirement:**• Hardware:**

- Processor: Intel Core i3 or higher with at least 4 cores.

- RAM: At least 4GB to 6GB of RAM for efficient performance and handling multiple users.

- Storage: A 256GB or higher SSD or HDD storage.

- Network interface: A reliable Megabit Ethernet interface to ensure fast connectivity and high-speed data transfer.

- Power supply: A high-quality power supply unit with a backup power supply to ensure uninterrupted power supply and prevent data loss.

• Software:

- Text Editor: Visual Studio

- Web Browser: Google Chrome, Mozilla Firefox, etc

CONCLUSION AND SUGGETION

Conclusion:

The Online Bus Booking System presents a significant leap forward in enhancing convenience and efficiency in the transportation industry. While the system excels in simplifying reservation processes, it does have its limitations and areas for improvement.

Limitations:

1. **Security Concerns:** The system currently lacks high-security measures, which could pose a risk to user data and transactions.
2. **UI Aesthetics:** The user interface is functional but lacks a visually appealing design. A more aesthetically pleasing UI could enhance the overall user experience.

Suggestions for Improvement:

1. **Enhanced Security Measures:** Implement robust encryption protocols and security measures to ensure the protection of user data and financial transactions.
2. **UI Redesign:** Invest in a user interface redesign to make the platform visually appealing, intuitive, and user-friendly.
3. **Feedback Mechanism:** Introduce a feedback mechanism to gather user opinions and suggestions for continuous improvement.
4. **Mobile Optimization:** Optimize the system for mobile devices to cater to users accessing the platform on smartphones.

REFERENCES

Websites:

ASP.NET documentation: <https://learn.microsoft.com/en-us/aspnet/core/?view=aspnetcore-8.0>

C# documentation: <https://learn.microsoft.com/en-us/dotnet/csharp/>