



# **Rajiv Gandhi University of Knowledge Technologies**

**Rajiv Knowledge Valley Campus**

## **Department of Computer Science and Engineering**



# **Online Bus Ticket Booking System**

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# Outlines of the Presentation

**1 Abstract**

**2 Introduction**

**3 Features &  
Benefits**

**4 Implementation and  
Output**

**5 Future scope**

**6 Conclusion**



**The Enhanced Online Bus Ticket Booking System solves the problem of family seating in bus travel. Current platforms restrict mixed-gender seating for safety, often separating families. This project introduces a group booking feature that allows families to sit together while maintaining safety for solo travelers. Using a shared username system, the application verifies group members and permits adjacent seating regardless of gender. Built with HTML, CSS, JavaScript, PHP, and MySQL, this system balances passenger convenience and safety in online bus bookings.**

**An online bus ticket booking system is a digital platform that allows users to conveniently and efficiently book bus tickets through the internet. This system has revolutionized the way people plan and organize their travel by providing a seamless and user-friendly experience. With just a few clicks, travelers can search for available bus routes, check schedules, compare prices, choose preferred seats, and make secure payments for their chosen journey.**

# 3 Benefits of Bus Ticket Booking System

**Convenience:** Passengers can easily browse bus schedules, routes, and available seats from the comfort of their homes or on-the-go through mobile apps or websites.

**Time-Saving:** Booking online eliminates the need to stand in long queues at ticket counters, saving passengers valuable time and effort.

**Flexible Payment Options:** Online booking platforms usually offer multiple payment methods

**Seat Selection:** Passengers can select their preferred seats from available options.



# Features of Bus Ticket Booking System

**Online booking:** Customers can book tickets through a website or mobile application.

**Seat availability:** The system displays the available seats and allows customers to select their preferred seats.

**Multiple payment options:** Customers can make payments using credit/debit cards, net banking, or mobile wallets.

**Search and Selection:** The system presents various options based on the search criteria, enabling users to choose the most suitable option for their travel needs.

# Technologies Used :

- **HTML**
- **CSS**
- **BOOTSTRAP**
- **JAVASCRIPT**
- **PHP**
- **MYSQL**

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# Implementation and Output

User  
Authentication

Booking Process

Seat Selection

Passenger Details

Payment Page

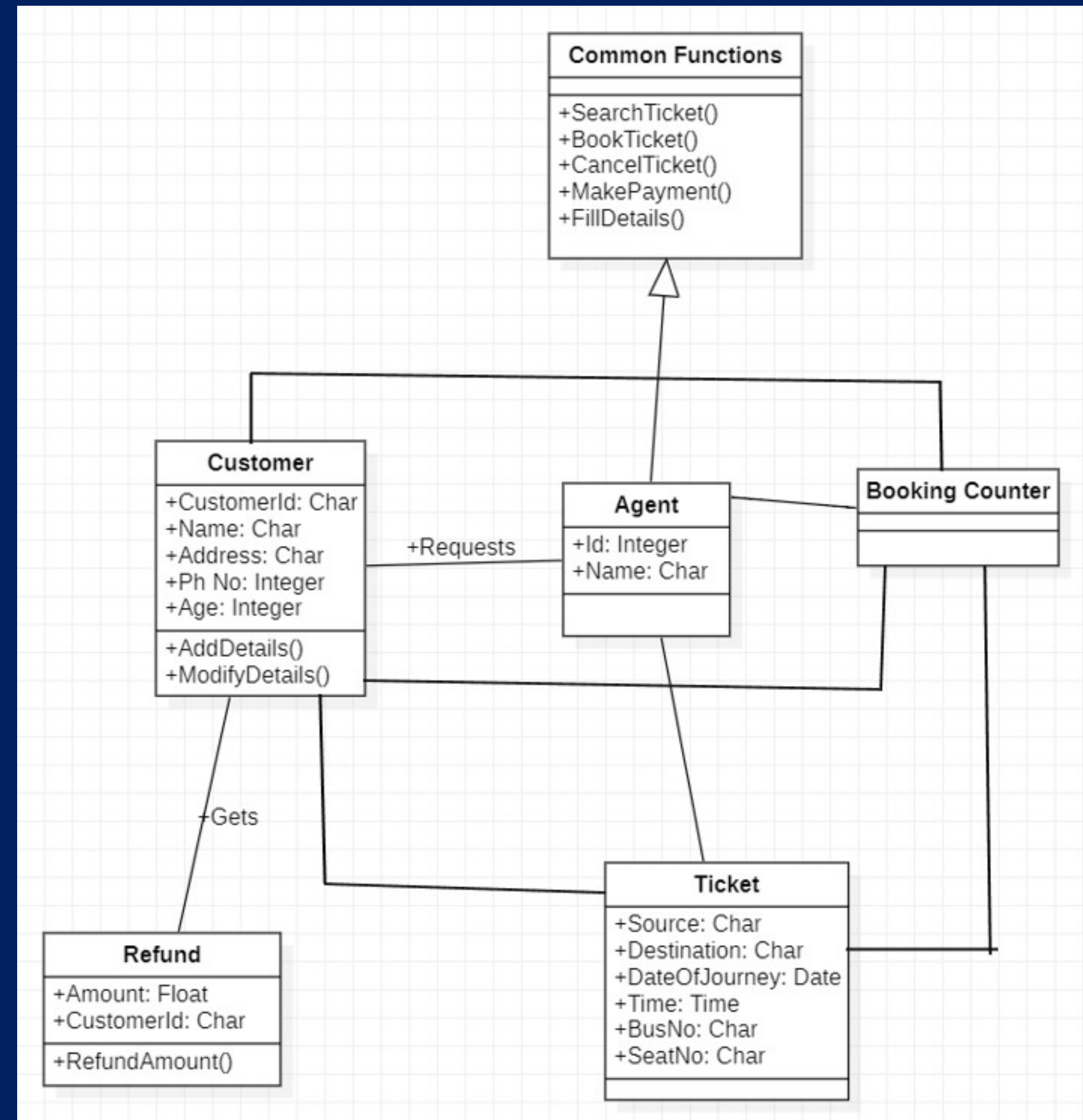
Confirmation Mail





## 4

# Implementation and Output



# Home Page

[Login](#) [Register](#)

## Bus Ticket Booking System

Welcome to our Bus Ticket Booking System. We provide easy and convenient booking for bus tickets to various destinations. Whether you are traveling for business or leisure, our platform offers a hassle-free experience to book your tickets.

Key Features:

- We can select any seat
- Seat selection
- User-friendly interface
- 24/7 customer support

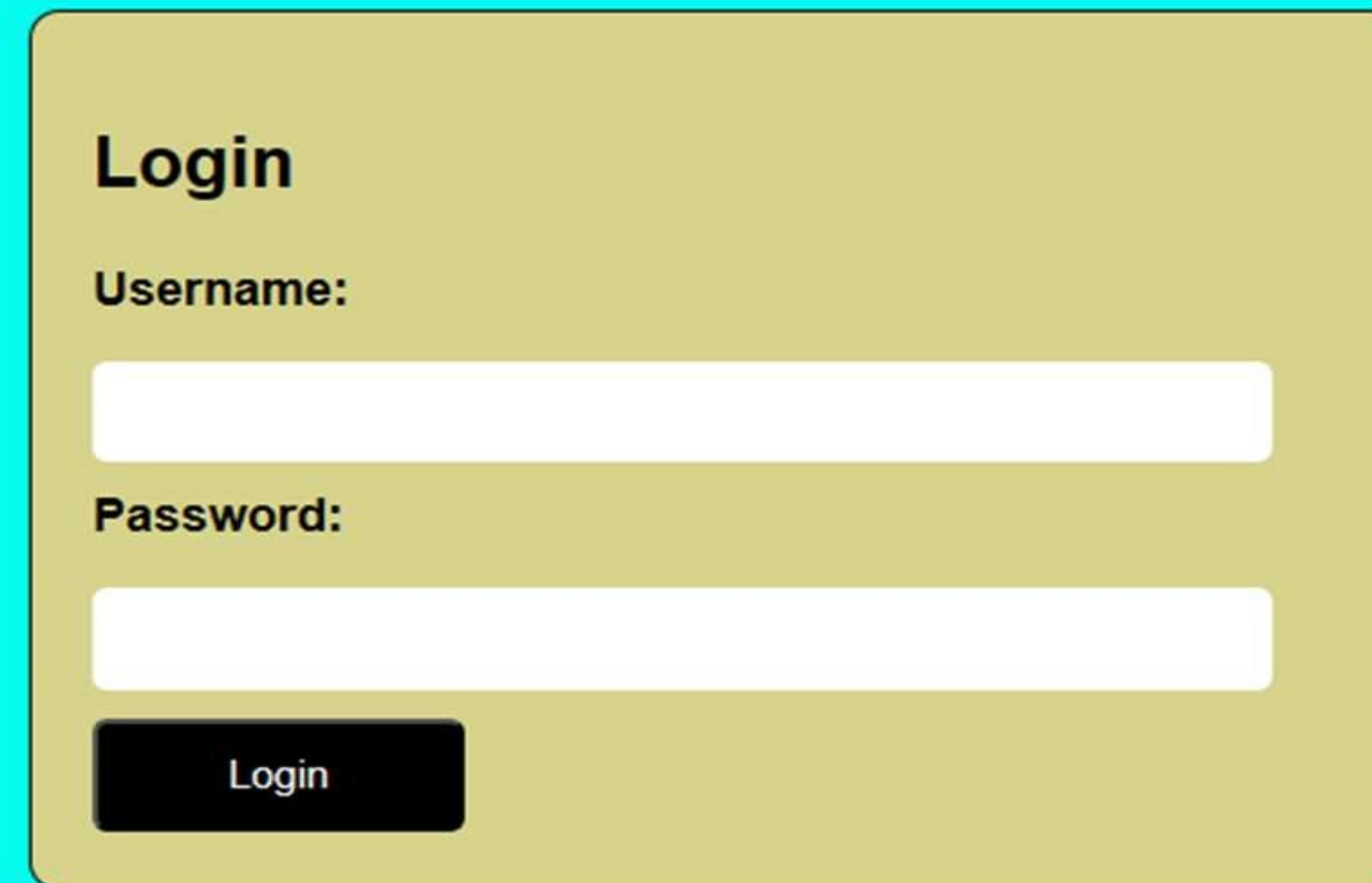
Book your bus ticket today and enjoy a comfortable journey to your destination.



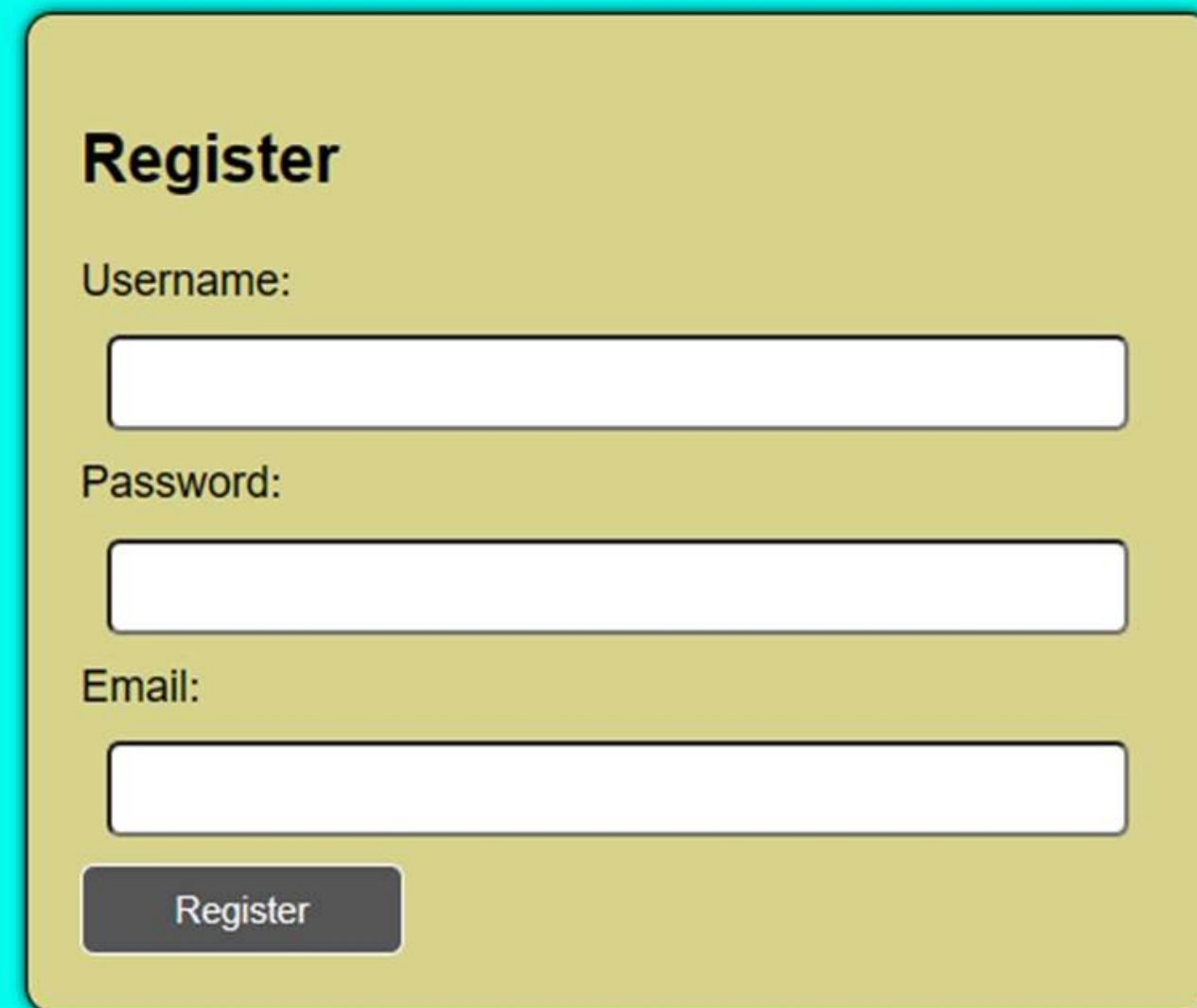


# User Login

Creating content for an online bus ticket booking system's login page involves providing essential information to users while maintaining a user-friendly and intuitive interface. Here's an outline of the content that could be included on the login page of an online bus ticket booking system.

A login form with a light green background. It features a title "Login" at the top. Below the title are two input fields: "Username:" and "Password:". At the bottom of the form is a black button with the text "Login" in white.

# User Registration



**Register**

Username:

Password:

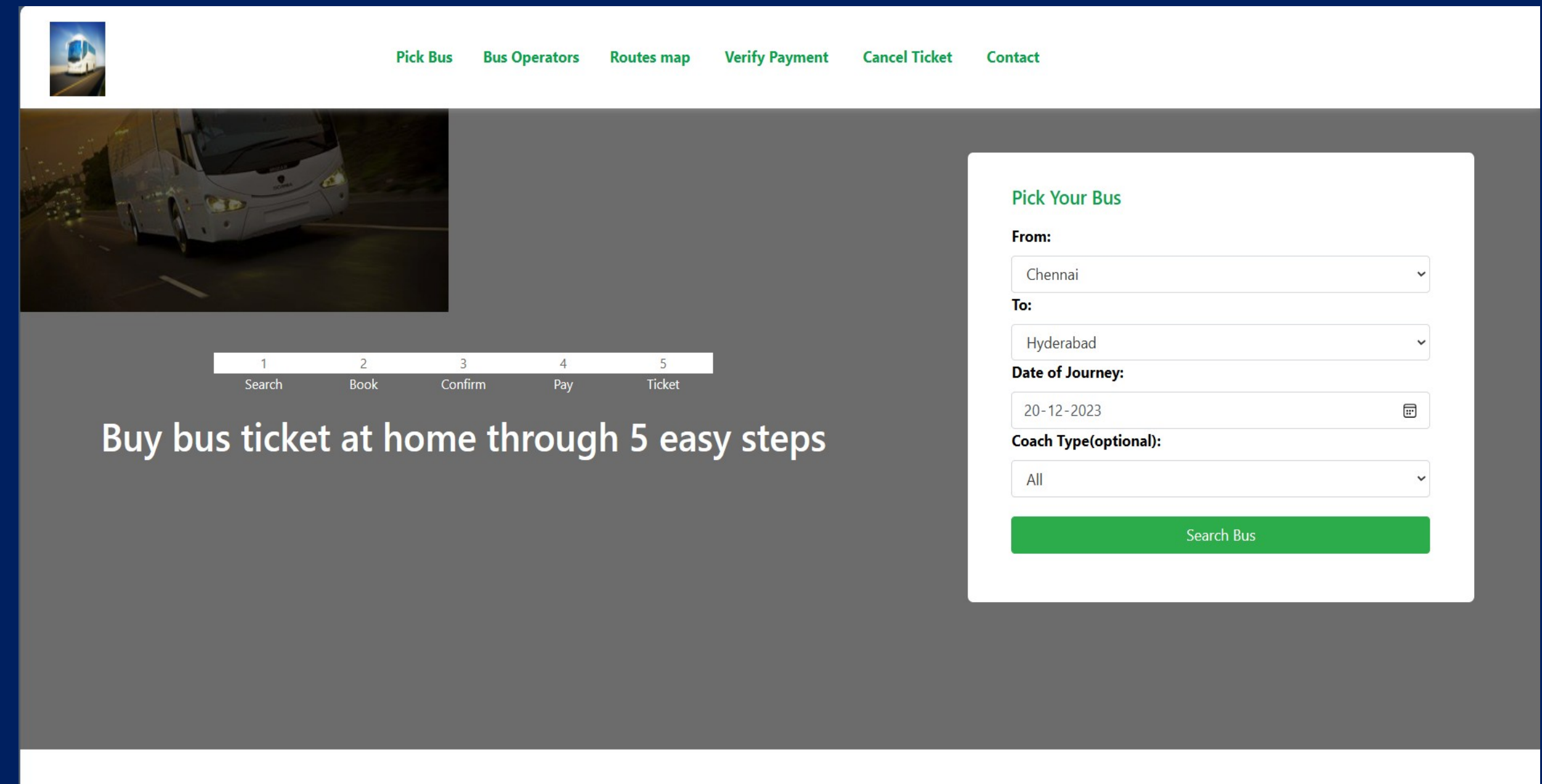
Email:

- ❑ Customers need to register by providing their basic details like name, contact information, and email address.
- ❑ Once registered, users can log in using their credentials to access the booking system.
- ❑ User authentication ensures secure access to personal information and ticket details.



# Booking Process


- Users can search for buses based on their preferred route, date, and time.
- The system displays available buses with their respective fares, departure, and arrival times.
- Customers can select the desired bus and proceed to seat selection and payment.



The screenshot shows a web application for bus booking. At the top, there is a navigation bar with links: [Pick Bus](#), [Bus Operators](#), [Routes map](#), [Verify Payment](#), [Cancel Ticket](#), and [Contact](#). Below the navigation bar, on the left, is a large image of a white bus. To the right of the image is a 5-step progress bar with labels: 1 Search, 2 Book, 3 Confirm, 4 Pay, and 5 Ticket. Below the progress bar, the text reads "Buy bus ticket at home through 5 easy steps". On the right side of the page, there is a "Pick Your Bus" form. The form includes the following fields: "From:" with a dropdown menu showing "Chennai", "To:" with a dropdown menu showing "Hyderabad", "Date of Journey:" with a date input field showing "20-12-2023" and a calendar icon, and "Coach Type(optional):" with a dropdown menu showing "All". At the bottom of the form is a green button labeled "Search Bus".



# Available Buses



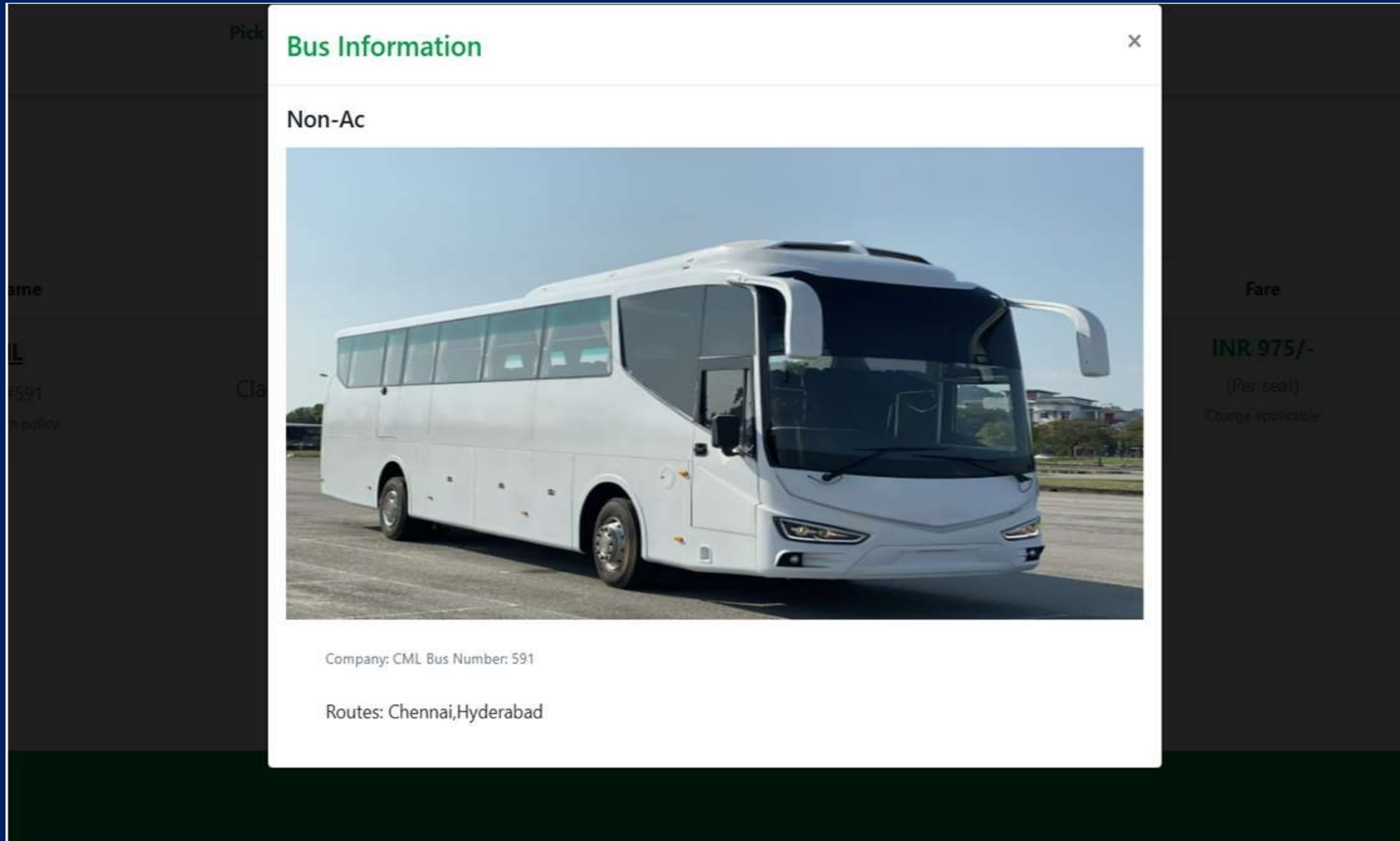
[Pick Bus](#)[Bus Operators](#)[Routes map](#)[Verify Payment](#)[Cancel Ticket](#)[Contact](#)

Chennai-hyderabad


Date: 2023-12-20

#	Bus Name	Bus type	Departure Time	Available Seats	Fare	Action
1	<div><div><u>CML</u></div><div>Coach#591</div><div>Cancellation policy</div></div>	<div><div>Non-Ac</div><div>Class: Bussiness</div></div>	<div><div>18:15:00</div><div>Depart from: Chennai</div><div>Last stopage: hyderabad</div></div>	<div>Total seats: 60</div>	<div><div>INR 975/-</div><div>(Per seat)</div><div>Charge applicable</div></div>	<div>View Seat</div>

# Bus Information:



# Seat Selection



Pick

#

Bus Name

1

CML

Coach#591

Cancellation policy

A1

A2

✓

A3

A4

✓

B1

B2

B3

B4

C1

C2

✓

C3

✓

C4

✓

D1

✓

D2

D3

D4

✓

E1

E2

✓

E3

✓

E4

✓

F1

✓

F2

F3

F4

✓

G1

✓

G2

✓

G3

✓

G4

Book Seats

✓

Female Booked

✓

Male Booked

Fare

Action

INR 975/-

(Per seat)

Charge applicable

View Seat

# Passenger Details:

```
If (Selected_seat.Username !== Adjacent_seat.Username){  
  If (Adjacent_seat.Gender="Female" &&  
    Selected_seat.Gender == "Male"){ alert("then it shows  
the alert and bydefault Gender Female option is Fixed")  
}}
```

localhost says

Adjacent seat already booked by a female passenger.

OK



## Traveller Details:

E4	Yash	23	6300453240	Female ▼
Submit				

In the Existing system Female reserved one seat then Unable to book additional tickets beside an already booked ticket if the gender is different. Bydefault The Gender is Locked for only Female.



```
If (Selected_seat.Username === Adjacent_seat.Username){
  If (Adjacent_seat.Gender="Female" &&
    Selected_seat.Gender == "Male"){ then both the
    username are same so both Gender options are enabled
  }
}
```



**Traveller Details:**

G1	Divi	20	6300453240	Female ▾
E2	Yash	23	6300453240	Male ▾
<input type="button" value="Submit"/>				

- ❑ In this Project Iam planning to use user-profile based mechanism to allow booking of additional ticket beside already booked ticket irrespective of gender.
- ❑ If the selected seat user and Adjacent seat user both are same .Then it allows for both male and female.



# Passenger Details:

## Passenger Details

Trip ID: 4  
Selected Seats: G1,E2

User_Name	Name	Age	Mobile	Gender	Selected Seat	Trip_No	Date
divi	Divi	20	6300453240	female	G1	4	2024-07-14
divi	Yash	23	6300453240	male	E2	4	2024-07-14

Trip Fare: \$1100  
Total Cost for 2 passengers: \$2200

Mobile Number:

Email Address:

☐ I accept the terms and conditions

Make a Payment

# Payment Page

## Select a Payment Option

**Mobile Number:** 06300453240

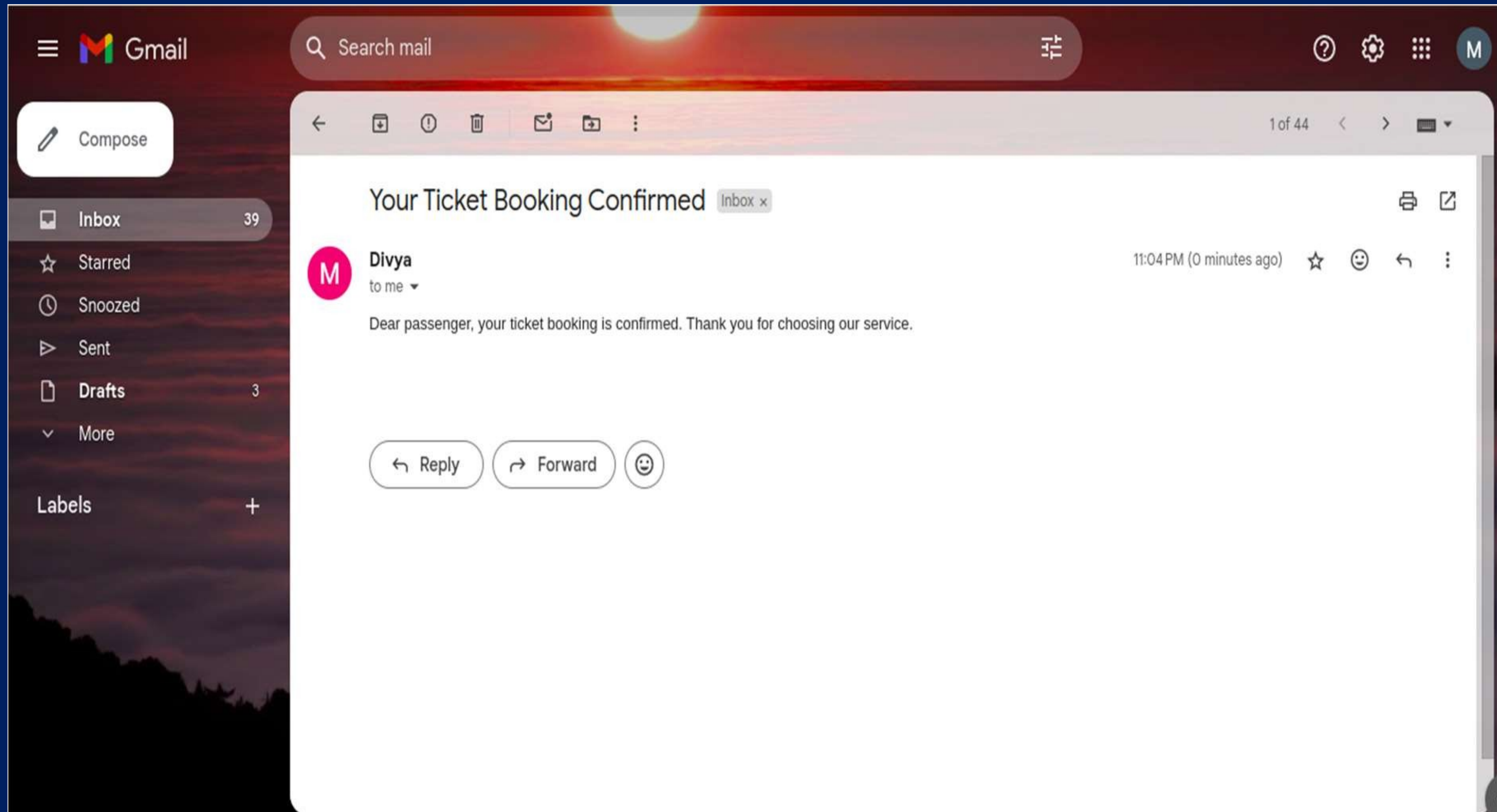
**Email Address:** divyaswarupa2004@gmail.com

☒ PhonePe    ☐ UPI    ☐ Google Pay



Proceed

# Confirmation Email



The Future Scope of the Project, Bus-Booking-System can involve various enhancements and expansions to further improve user experience, increase functionality, and adapt to emerging trends in the digital Landscape. Here are some potential avenues for future development.

- \* **Real Time Bus Tracking**
- \* **Recommendation System For Popular Routes**





The Online Bus ticket booking system has significantly enhanced the convenience of travel for passengers. With the ability to book tickets online, travelers can easily plan and secure their seats without the need to visit a physical ticket counter..

In this project I proposed solution for one of the major issue along with some performance improvements and planning to use user profile based mechanism to allow booking of additional ticket beside already booked ticket irrespective of gender.





# Reference

- [1] JavaScript. <https://www.w3schools.com/js/>
- [2] MySQL. [MySQL Tutorial \(w3schools.com\)](#)
- [3] Php. [PHP Tutorial \(w3schools.com\)](#)





**Thank  
you**