



Dharmsinh Desai University, Nadiad
Faculty of Technology
Department of Computer Engineering

B. Tech. CE Semester – 4

Subject - Software Project

Project Title

Travelling Package Booking System

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1.Introduction/Project Abstract

- Our project is about online bus ticket booking. In this Project admin can add place, price and description of that place. For this we have to create superuser of project. By logging into admin site he can add those things.
- Simple User can register and logging. After logging he/she can see places, prices and description added by admin. By selecting available place the user have to logging if he/she has not logging. After that payment card will open to make payment.
- We have also provided Mobile number at home page for contact.
- If any offer is available at any place it is also visible.

2. Software Requirement Specification

1. create customer id:

R1.1: first enter the name and id

Description: in first open the link and enter the name, id, number and other details

Input: enter the name and id

Output: proper name and id

R1.2: confirm account

Input: need data feel

Output: see your account and check correct

2. process of ticket and route detail

Description: after our system work to see detail of bus and route whatever they enter. Every available bus saw and seat is saw. seat reservation is like any different colour .

R2.1: you decide where you go for ride

Input: think types of bus and enter

Output: show available types of bus

R2.2: check for your place's bus available

Input: your first point place and last place for journey

Output: if bus available, saw all buses otherwise no buses.

3. as per customer's like bus provide

Description: when passenger select bus and enter the bus next select seat which you like you choose. You choose select 1,2 or many seat and next again saw your first point .And last point .

R3.1: bus type seater, sleeper,both etc

Input: your choice

Output: if available this type bus ,so see detail

R3.2: again check your boarding and departure place and their time

Input: only do continue

Output: your enter place are saw and once check

4. advance booking

Description: this advance booking one of the most benefit for your side. Some time in traveling whole bus fill and no place in bus. This time your booking is bless and you got a seat confirm

R4.1: what is require advance booking

Input: your booking seat

Output: you give a seat for journey confirm

R4.2: benefit of advance booking

Input: you enter the bus

Output: always your selected seat empty anycase your seat is confirmed.

R4.3: advance booking minor charge in ticket

5. payment mode

Description: when you check your detail and continue next payment mode.in payment options you using any net banking ,upi and patym like anything.when success payment your ticket confirm booked and you got msg from our operator.

R5.1: select next step payment option

Input: your require payment mode

Output: your select mode approve and next

R5.2: next enter otp or pin for payment

Input: enter detail

Output: your payment succes done

6. confirmation details

R6.1: confirm booking msg

Input: succes payment done and do continue

Output: confirm booking msg

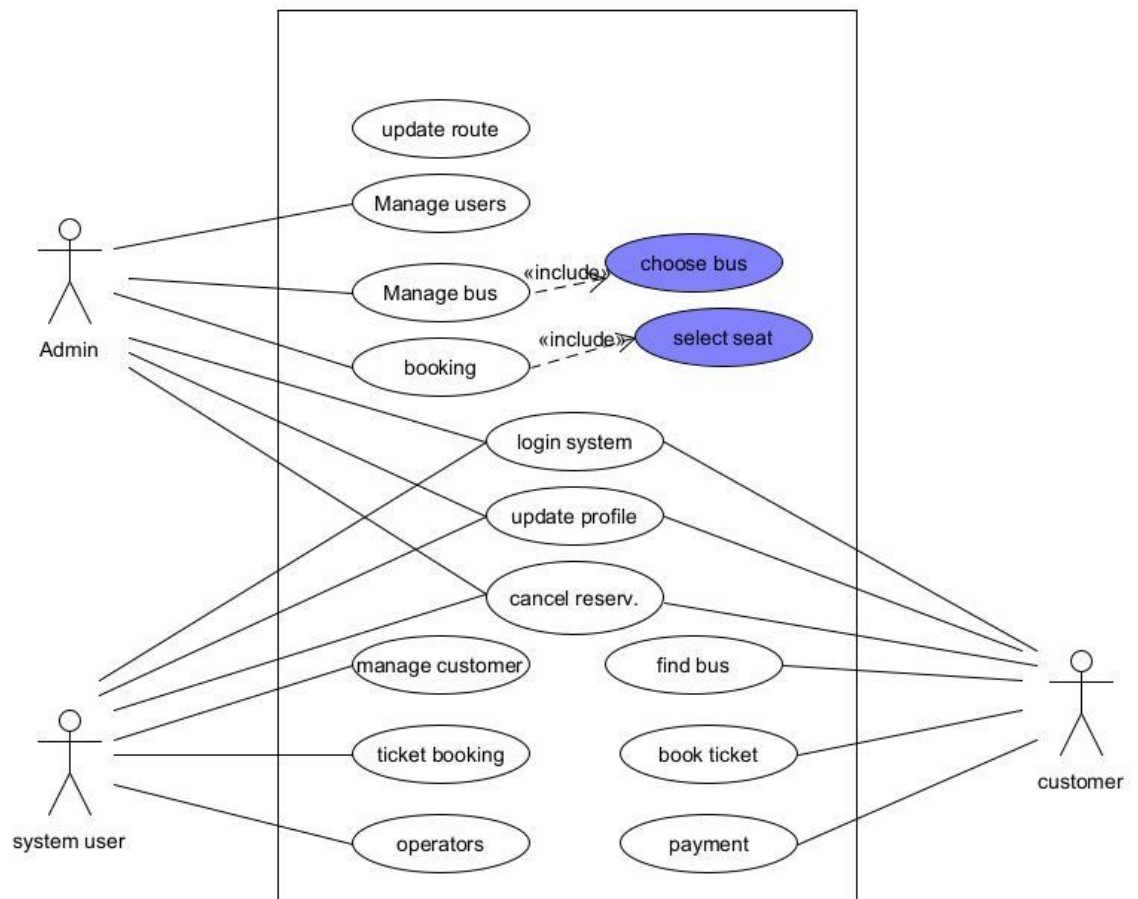
R6.2: you got your ticket

Input:next click continue

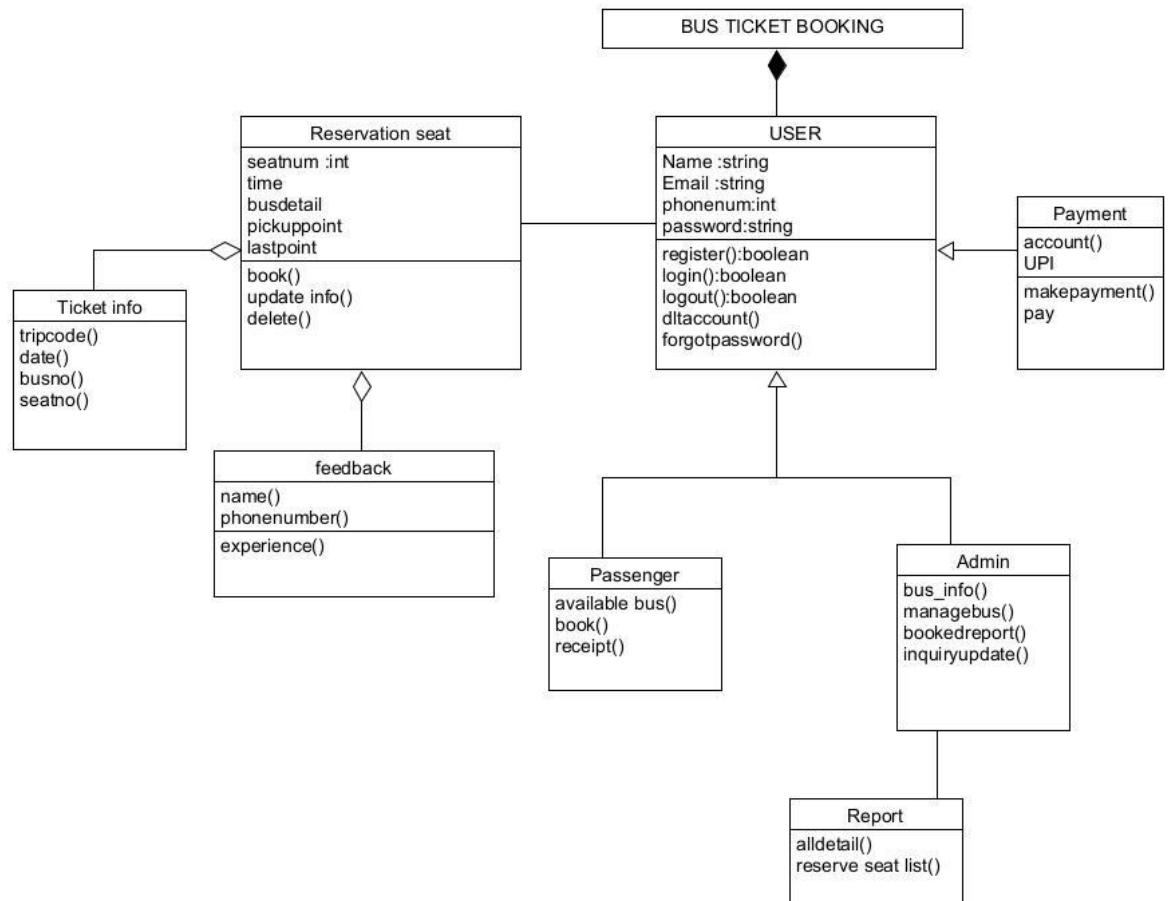
Output: via mail or msg you provide your ticket

3.Design Documents

- Use case diagram

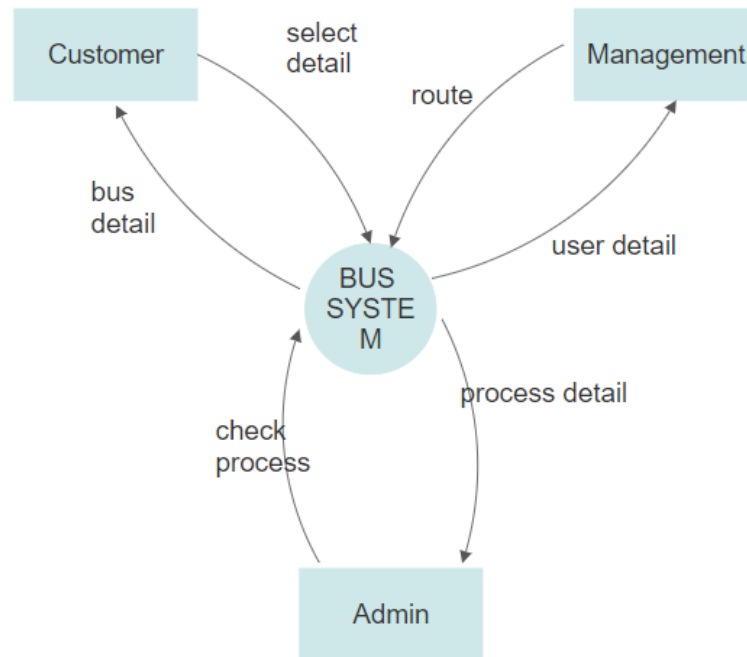


- Class diagram

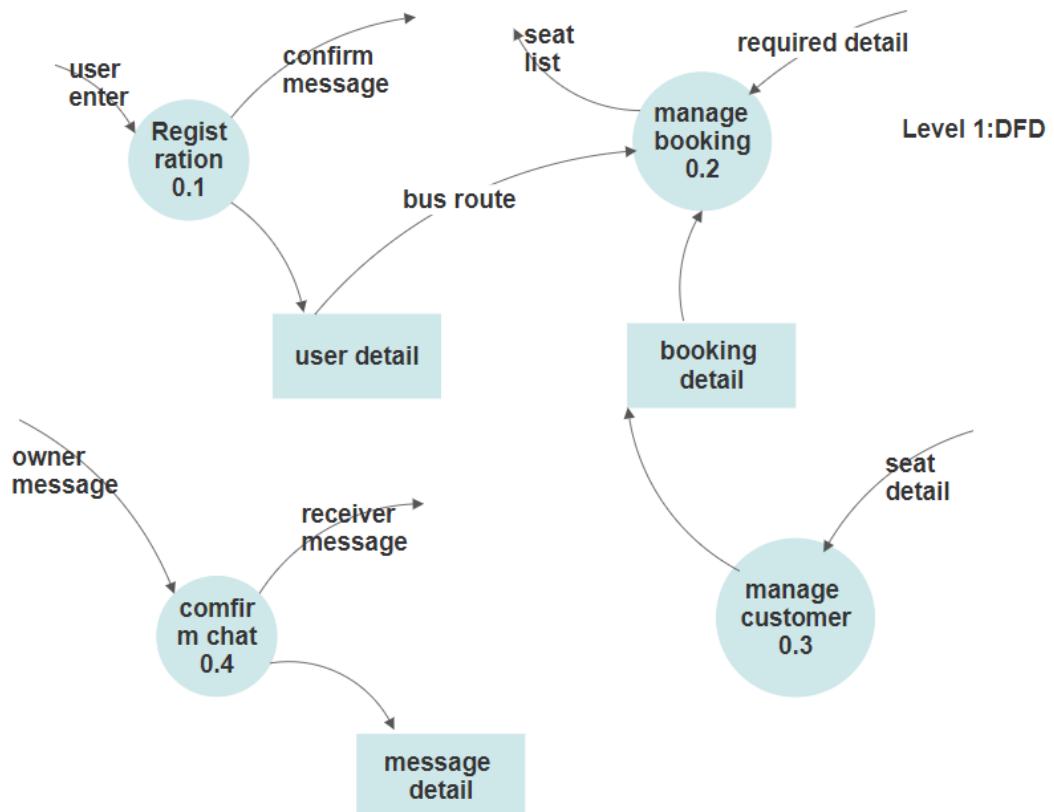


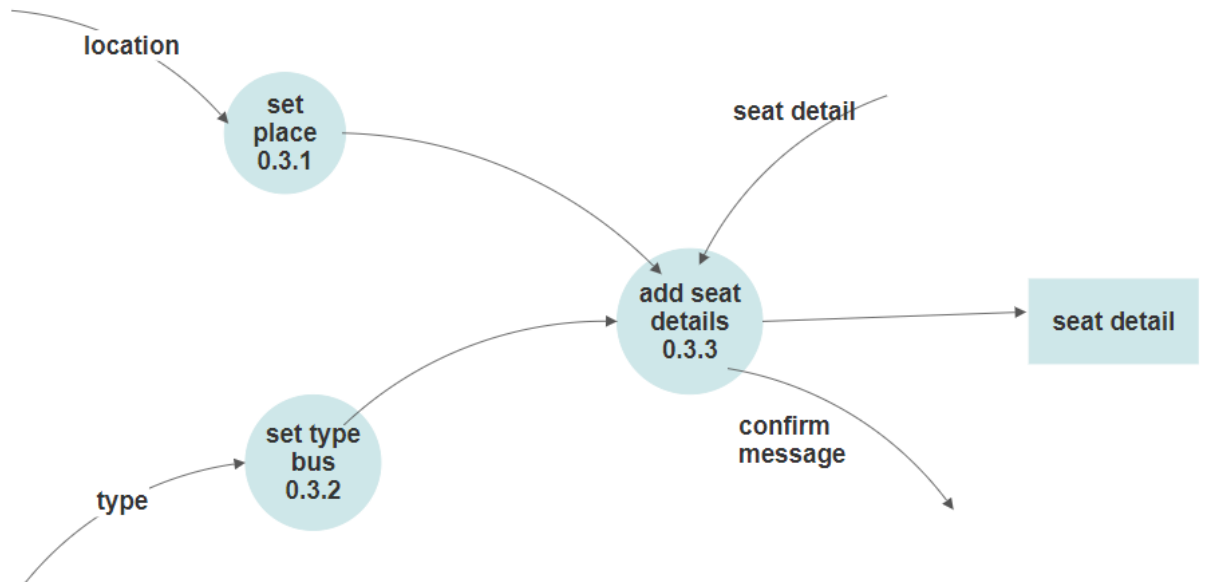
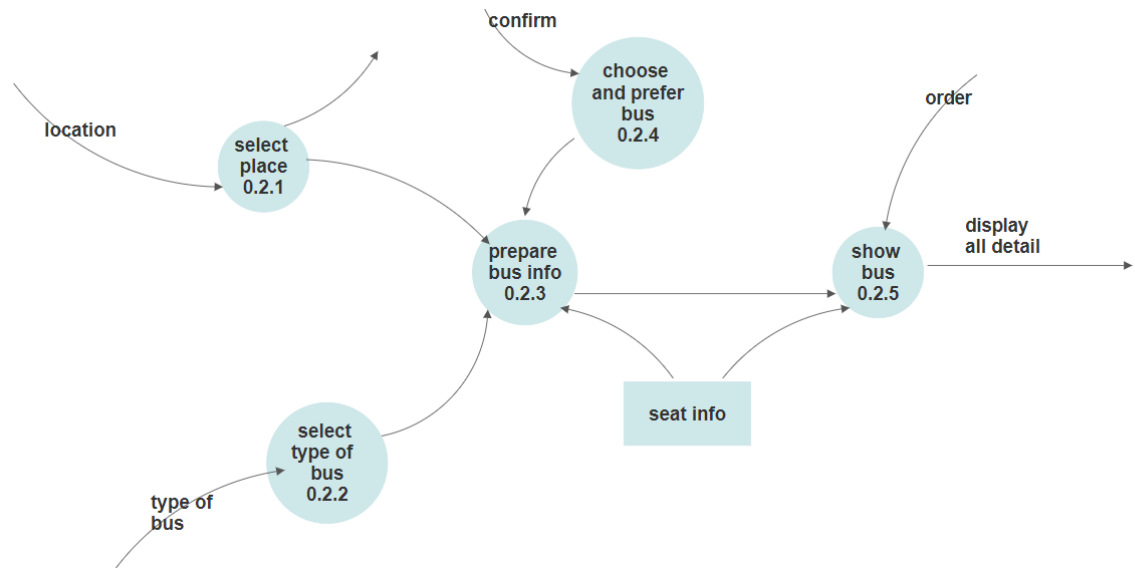
- **DFD Model**

Data flow diagram



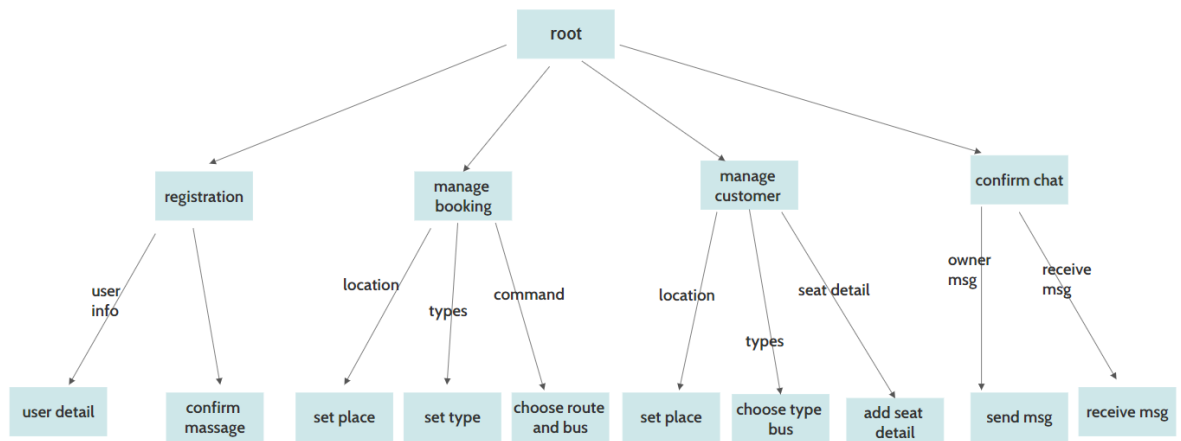
Level 0: Context Diagram



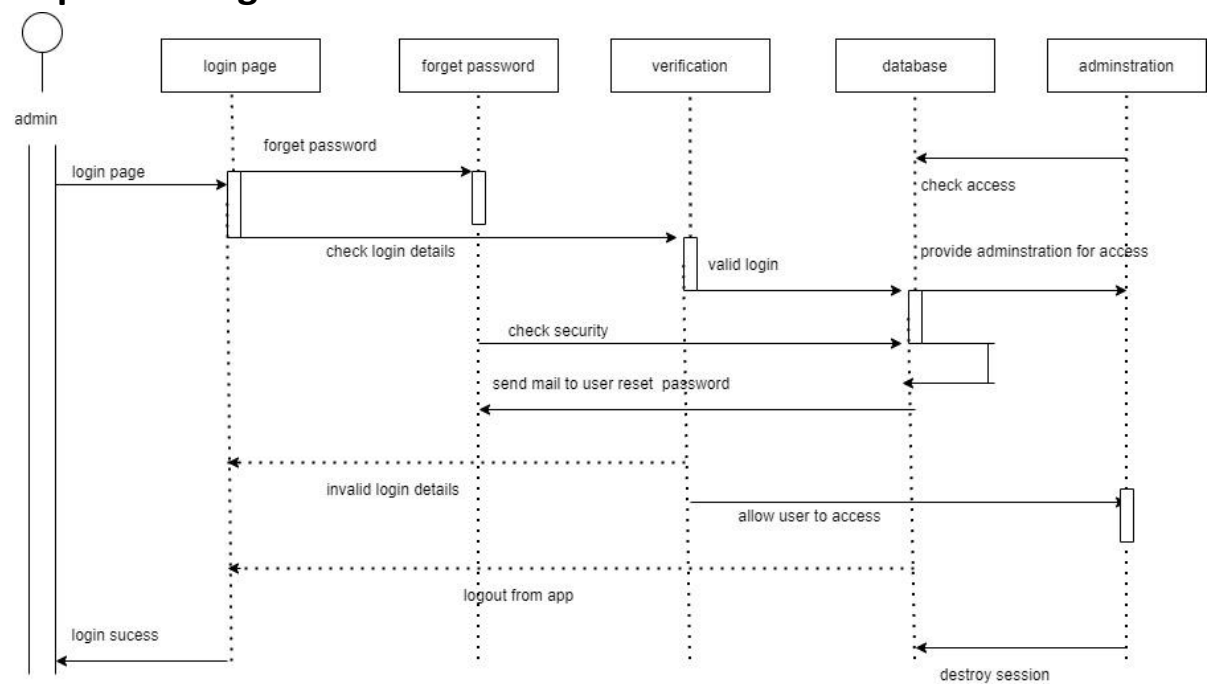


Level 2:DFD

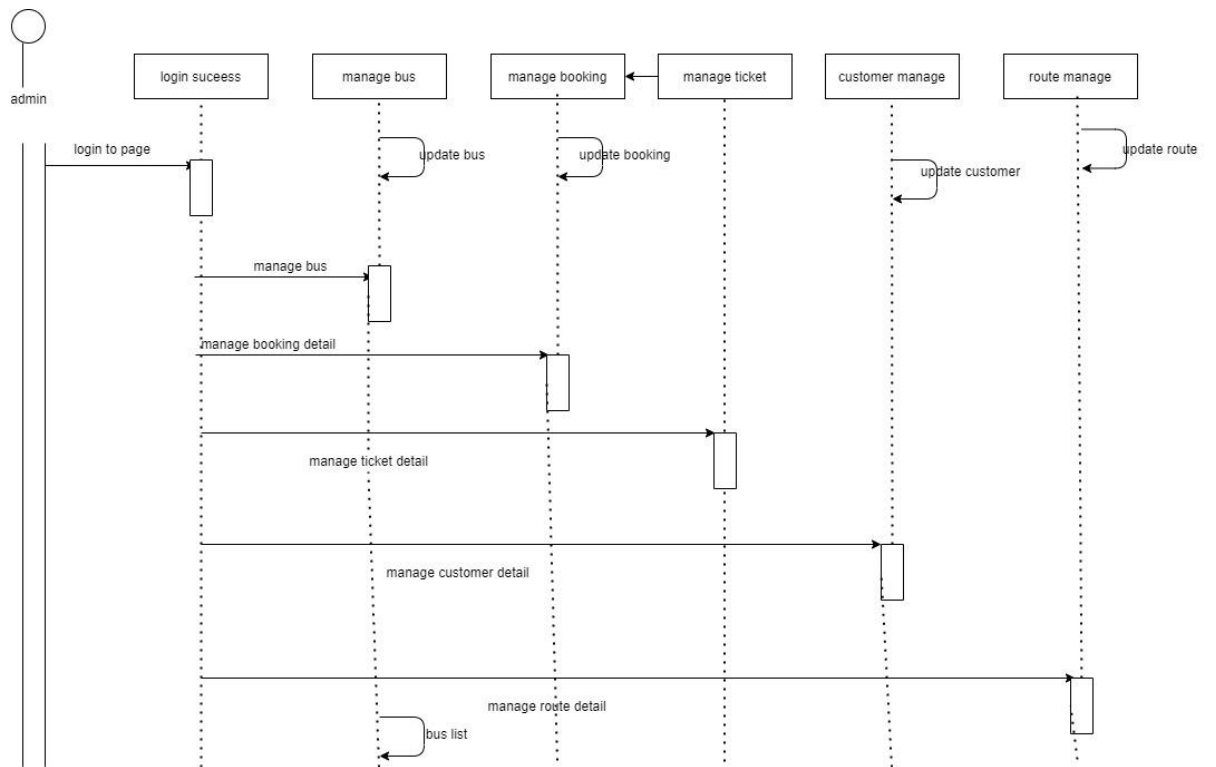
- Structure chart



• Sequence diagram

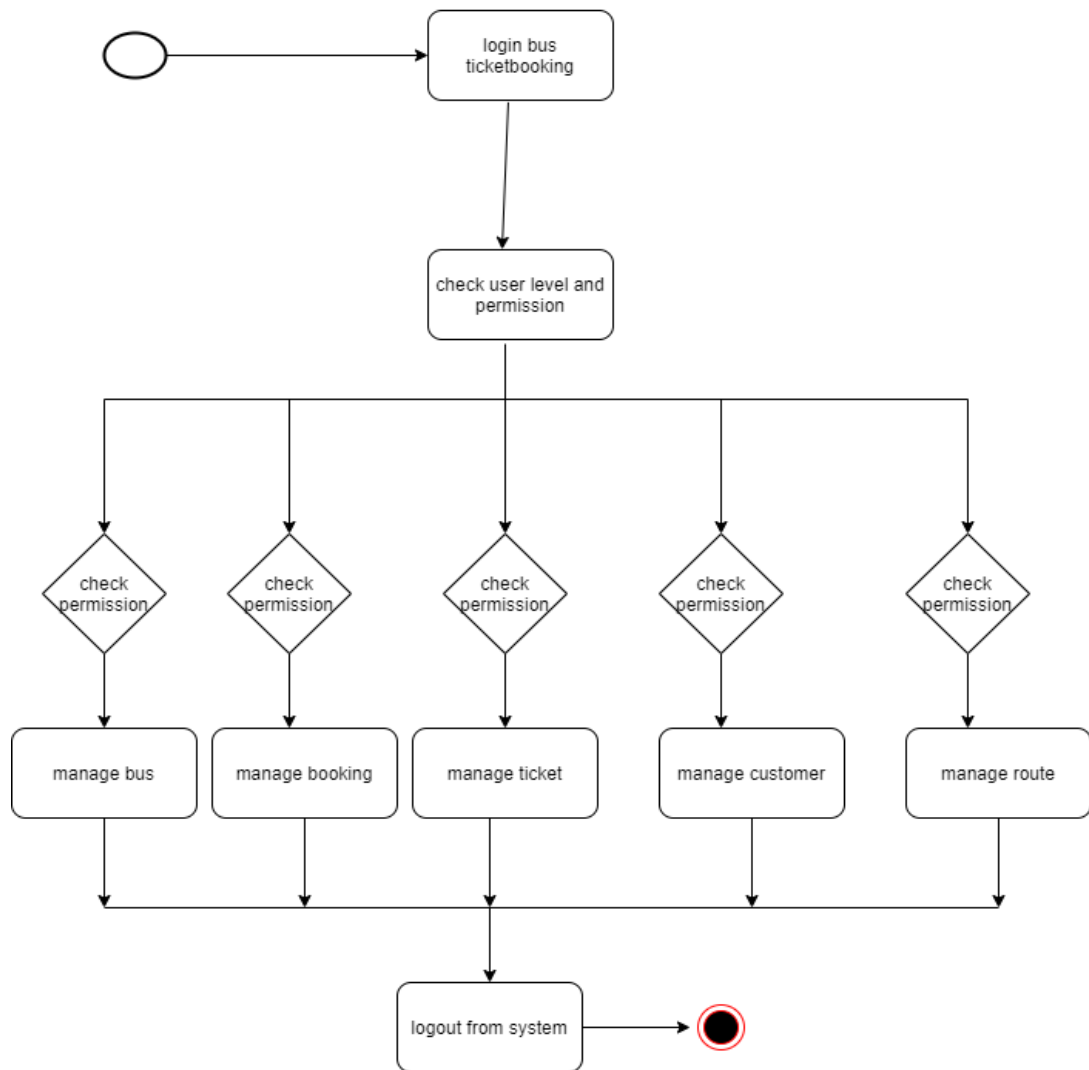


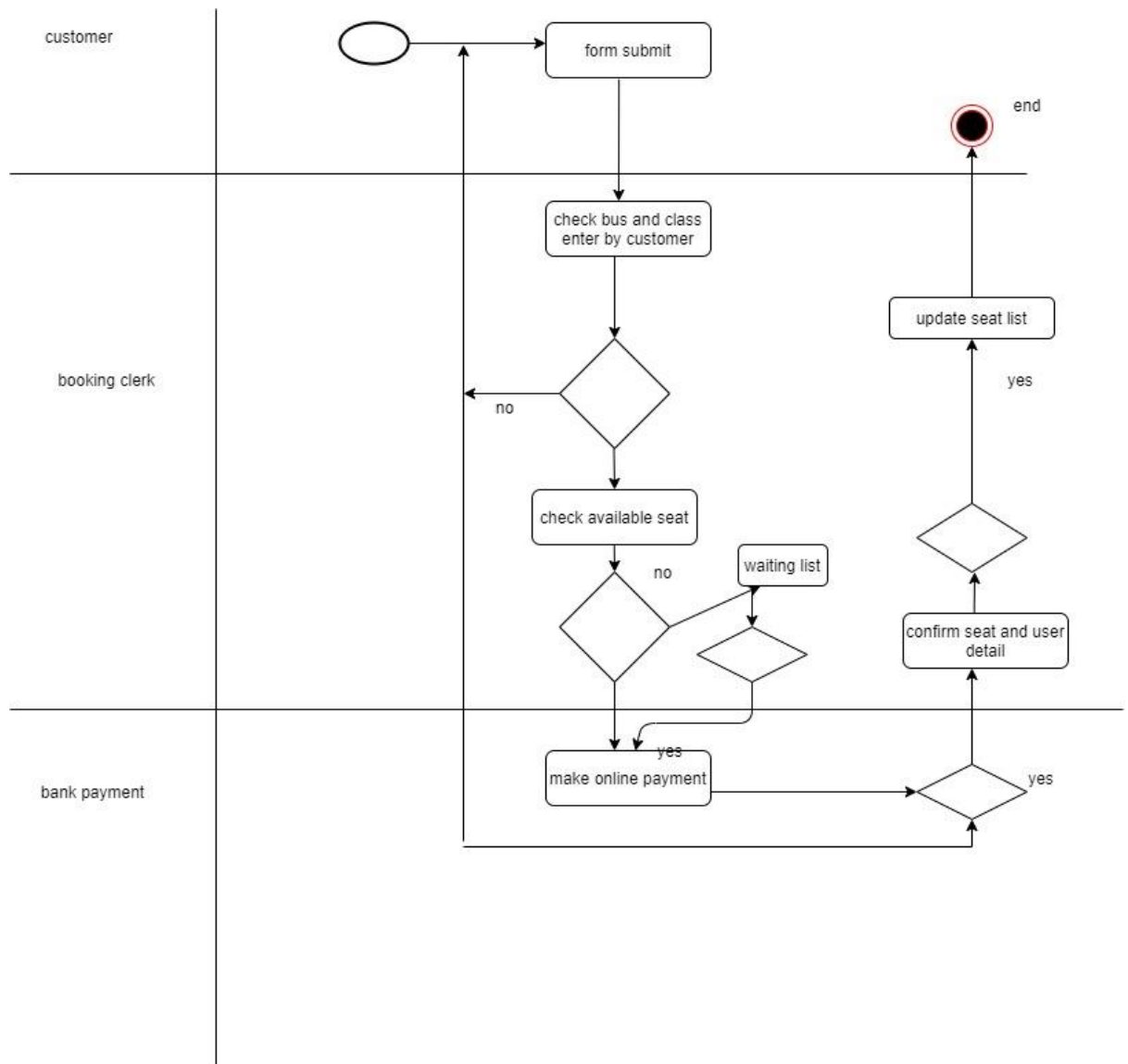
Sequence diagram



- **Activity Diagram**

Activity diagram





4.Implementation Details

- **Register Module:**

In this module admin and customer can register themselves and can book ticket of their destination place and can use any other functionality.

```
register.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset='utf-8'>
5 <meta http-equiv='X-UA-Compatible' content='IE=edge'>
6 <title>Registration</title>
7 <meta name='viewport' content='width=device-width, initial-scale=1'>
8 <link rel='stylesheet' type='text/css' media='screen' href='main.css'>
9 <script src='main.js'></script>
10 </head>
11 <body style='background-color:powderblue;' align='center'>
12 <form action='register' method='post' align='center'>
13 {% csrf_token %}
14 <h1 style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Register</h1>
15 <br>
16 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>First Name: </label>&emsp;&emsp;&
17 <input type='text' name='first_name' placeholder='First Name' style='font-size:150%;background-color:powderblue;color:#0033cc;
18 font-family:verdana;'><br><br>
19 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Last Name: </label>&emsp;&emsp;&
20 <input type='text' name='last_name' placeholder='Last Name' style='font-size:150%;background-color:powderblue;color:#0033cc;font
21 family:verdana;'><br><br>
22 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Username: </label>&emsp;&emsp;&
23 <input type='text' name='username' placeholder='Username' style='font-size:150%;background-color:powderblue;color:#0033cc;font
24 family:verdana;'><br><br>
25 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Email: </label>&emsp;&emsp;&
26 <input type='email' name='email' placeholder='email' style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:
27 verdana;'><br><br>
28 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Password: </label>&emsp;&emsp;&
29 <input type='password' name='password1' placeholder='Password' style='font-size:150%;background-color:powderblue;color:#0033cc;
30 font-family:verdana;'><br><br>
31 <label style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>Confirm Password: </label>
32 <input type='password' name='password2' placeholder='Confirm Password' style='font-size:150%;background-color:powderblue;color:#
33 0033cc;font-family:verdana;'><br><br>
34 <input type='Submit' value='Register' style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'><br><
35 </form>
36 <div align='center' style='font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;'>
37 {% for message in messages %}
38 <h3> {{message}} </h3>
39 {% endfor %}
40 </div>
41 </body>
42 </html>
```

- Login Module

In this module customer or admin can login and can do their own work.

```

login.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <meta charset='utf-8'>
5   <meta http-equiv='X-UA-Compatible' content='IE=edge'>
6   <title>Login</title>
7   <meta name='viewport' content='width=device-width, initial-scale=1'>
8   <link rel='stylesheet' type='text/css' media='screen' href='main.css'>
9   <script src='main.js'></script>
10 </head>
11 <body style="background-color:powderblue;">
12   <form action="login" method="post" align="center">
13     {% csrf_token %}
14     <br><br>
15     <label style="font-size:150%;color:#0033cc;font-family:verdana;">Username: </label><br>
16     <input type="text" name="username" placeholder="Username" style="font-size:150%;"><br>
17     <label style="font-size:150%;color:#0033cc;font-family:verdana;">Password: </label><br>
18     <input type="password" name="password" placeholder="Password" style="font-size:150%;"><br>
19     <input type="Submit" value="Login" style="font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;"><br><br>
20   </form>
21
22   <div align="center" style="font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;">
23     {% for message in messages %}
24     <h3> {{message}} </h3>
25     {% endfor %}
26   </div>
27 </body>
28 </html>

```

- Payment Module

In this module customer have to payment for ticket booking.

```

payment.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Payment</title>
5 </head>
6 <body style="font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;">
7
8   {% if user.is_authenticated %}
9     <h1 align="center" style="font-size:150%;background-color:powderblue;color:#0033cc;font-family:verdana;">Hello, {{user.first_name}}</h1>
10
11     <br>
12     <div class="sign-up-form">
13       <form action="paymentsuccessful" method="post" align="center" >
14         {% csrf_token %}
15         Card Number<br>
16         <input type="Number" name="card_num" style="font-size:90%;" min="10000000000" max="999999999999" placeholder="Enter 12 digit card number" required><br><br>
17         Expiry Date<br>
18         <select name="month" style="font-size:90%;" required>
19           <option value="">Month</option>
20           <option value="Jan(01)">Jan(01)</option>
21           <option value="Feb(02)">Feb(02)</option>
22           <option value="Mar(03)">Mar(03)</option>
23           <option value="Apr(04)">Apr(04)</option>
24           <option value="May(05)">May(05)</option>
25           <option value="Jun(06)">June(06)</option>
26           <option value="Jul(07)">July(07)</option>
27           <option value="Aug(08)">Aug(08)</option>
28           <option value="Sept(09)">Sep(09)</option>
29           <option value="Oct(10)">Oct(10)</option>
30           <option value="Nov(11)">Nov(11)</option>
31           <option value="Dec(12)">Dec(12)</option>
32         </select>
33         <select name="year" style="font-size:90%;" required>
34           <option value="">Year</option>
35           <option value="2021">2021</option>

```



```

35         <option value="2022">2022</option>
36         <option value="2023">2023</option>
37         <option value="2024">2024</option>
38         <option value="2025">2025</option>
39         <option value="2026">2026</option>
40         <option value="2027">2027</option>
41         <option value="2028">2028</option>
42         <option value="2029">2029</option>
43         <option value="2030">2030</option>
44     </select>
45     <br><br>
46     CVV<br>
47     <input type="Number" name="cvv" style="font-size:90%;" max="999" min="100"
48     placeholder="Enter 3 Digit CVV" required> <br><br>
49     <input type="submit" style="font-size:90%;background-color:powderblue;color:#0033cc;
50     font-family:verdana;" value="Make Payment">
51     <input type="button" style="font-size:90%;background-color:powderblue;color:#0033cc;
52     font-family:verdana;" onclick="location.href='/' "value="Cancel">
53 </form>
54 </div>
55 {% else %}
56 <h1 align="center" style="font-size:90%;background-color:powderblue;color:#0033cc;font
57 -family:verdana;">Please Login or Register</h1><br>
58 <li align="center" style="font-size:90%;background-color:powderblue;color:#0033cc;font
59 -family:verdana;"><a href="reglog/register">Register</a></li>
60 <li align="center" style="font-size:90%;background-color:powderblue;color:#0033cc;font
61 -family:verdana;"><a href="reglog/login">Login</a></li>
62 {% endif %}
63 </body>
64 </html>

```

- Add Destination

This Module is for admin. Here admin can add destination, Photo of place, description and price and choose offer if he wants.

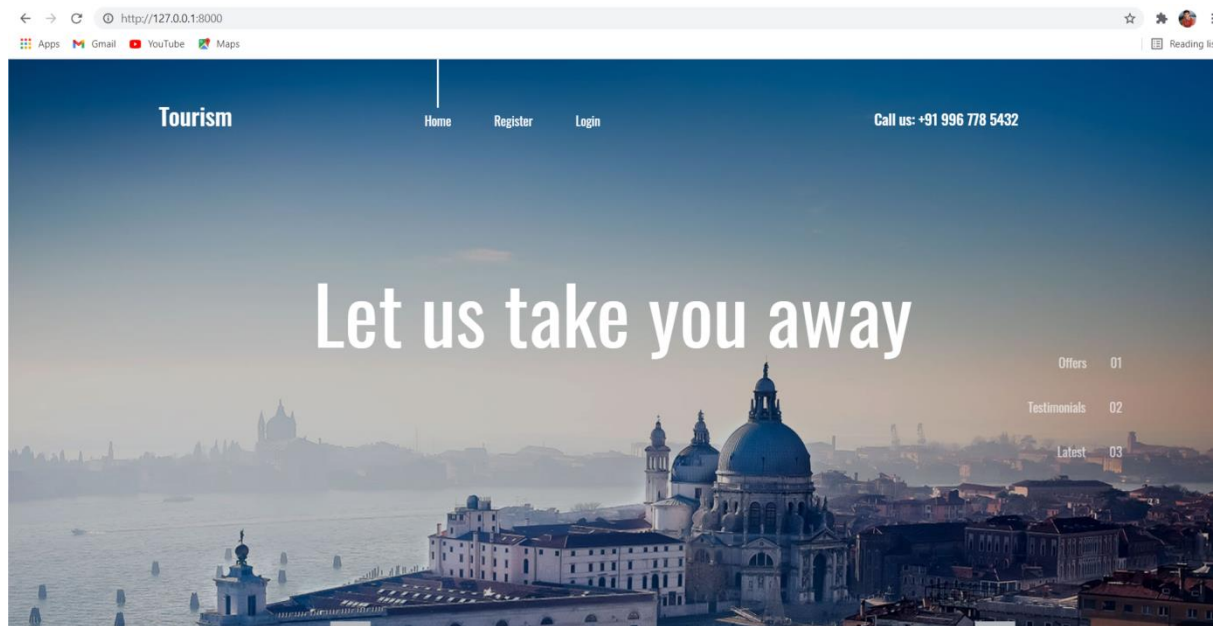
The screenshot shows the Django administration interface for the 'Destinations' model. The left sidebar contains the navigation menu with 'AUTHENTICATION AND AUTHORIZATION' (Groups, Users) and 'TOURISM' (Destinations). The main content area is titled 'Add destination' and contains the following form fields:

- Name:** A text input field.
- Img:** A file upload field with a 'Choose File' button and 'No file chosen' text.
- Desc:** A large text area for the description.
- Price:** A text input field.
- Offer:** A checkbox labeled 'Offer'.

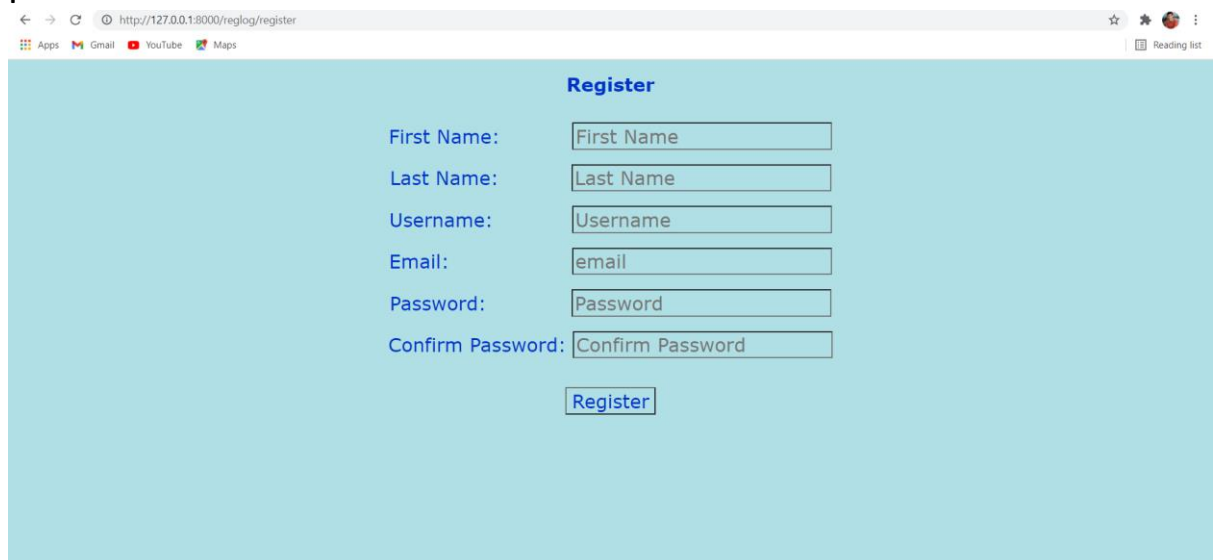
At the bottom right, there are three buttons: 'Save and add another', 'Save and continue editing', and 'SAVE'.

5. Work flow/Layout

First home page is displayed there is option like register and login.



Register Module is for new user. For register we have to provide all details.

A screenshot of the "Register" form on the website. The form is titled "Register" in blue text. It contains six input fields with labels: "First Name:", "Last Name:", "Username:", "Email:", "Password:", and "Confirm Password:". Each label is in blue text, and the corresponding input field is a light blue box. Below the input fields is a blue "Register" button. The background of the form is a solid light blue color.

If we are not new user then we can directly login.

Username:

Password:

Login

This is place and price added by admin.

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SIMPLY AMAZING PLACES

Popular Destinations

Special Offer



Goa
ONE DAY IN GOA ITINERARY – TOP THINGS TO DO IN
GOA, INDIA
From ₹5000

We have to click on goa and we redirect to payment page.

Hello, Jenil

Card Number

Expiry Date

CVV

After entering all data and click on Make Payment button.
We will redirect to payment successful page.
And by clicking on HOME we redirect to home page.

Payment Successful

[HOME](#)

6.Conclusion

By using this application we can easily book ticket at home. We Don't have to go outside to book ticket.

By making this project we conclude that how actual project works and how data behind different page are flows using Django framework. Also how css can be used for proper indentation of pages.

7.Limitations and Future Extensions

- **Limitations**

User can not select seat of bus.

User cannot change his data.

If user forget his password he cannot retrieve it.

- **Future Extensions**

Update user details future can be added.

Select seat in bus and see different buses of particular route can be added.

Forgot password functionality can be added.

8.Bibliography

This project is fully self maded.

Some css code for proper indentation of pages are taken from internet. Theme is taken from internet.

(www.google.com)

(<https://colorlib.com/>)