### A Project Report On

# YSD JOURNEY BOOKING

Kamani Science & Prataprai Arts Collage, Amreli

YSD Journey Booking (Online Bus, Flight and Hotel room booking system)

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Submitted in partial fulfilment of the requirement for the award of the degree of Bachelor of Computer Applications

(BCA)

Year of Submission

2020-2021

Saurashtra University-Rajkot



# **Preface**

The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge, we are thankful of having a project.

Through the development of the project, we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.



# **Acknowledgement**

We are student of BCA sem-5 Studying in the Kamani Science College, Amreli. We Thanks to the entire person who has given their support in shaping of the system.

We thank Mr. Rakesh Savaliya sir and Mr. Ravi joshi sir for giving us guidance and Cooperation in understanding the system. We also thank them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourage us in taking up this activity. We thank all faculties and administrative staffs of the institute.

Thanks to all!!

Siddharth Rasadiya

Dilip Vikani

Yash Thakar



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# **Introduction**

The YSD Journey Booking is like an allrounder website because here we provide services like.

- Bus ticket booking
- Flight ticket booking
- Hotel booking

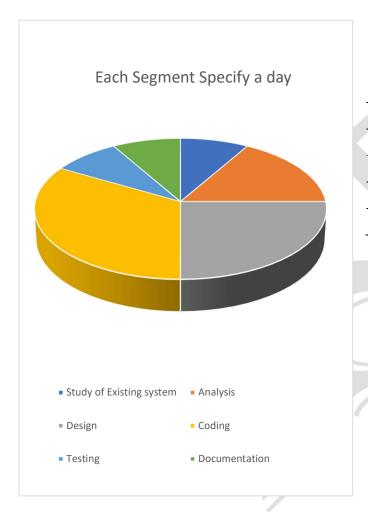
So, before the user start journey, they can book their all tickets and hotel room also.

So, user can book all the tickets online and enjoy their trawling(journey).

- o First user needs to login or register with their personal details line name, mobile no., email, password etc.
- After the login user can book their bus ticket, flight ticket and hotel room also.
- User can select their bus, bus route and seat also in bus booking.
- o In the flight booking user can select flight, starting point and destination and seat also and book ticket.
- In hotel booking user can select city and in city select hotel select number of room and book the room.
- And also, we give the service of online payment so user can pay with credit or debit card and book the tickets.
- So, the YSD journey booking is allrounder journey booking website.



# **Time Line Chart**



Study of Existing	10Days
System	
Analysis	20Days
Design	30Days
Coding	40Days
Testing	10Days
Documentation	10Days



# **Project Profile**

Project Name: YSD Journey Booking (Online

Ticket Booking Website)

Developed By: Rasadiya Siddharth

Vikani Dilip Thakar Yash

Front End Tool: ASP.Net(Microsoft visual

studio)

Back End Tool: SQL Server 2012(SQL Server

Management Studio)

Operating System: Microsoft windows XP,

windows 7, windows 10

Computer System: Intel core I3 or Higher, RAM:

4 GB

Project Details: YSD Journey Booking is all-

rounder website because here

we provide

• Bus Ticket Booking

• Flight Ticket Booking

Hotel Room Booking

Completion Time: 3 Months

Guide by: Mr. Rakesh Savaliya Sir

Mr. Ravi Joshi Sir

Submitted to: Saurashtra University, Rajkot



# **Hardware Requirement**

- > 2+ GB of RAM
- Multimedia Keyboard and Mouse
- ➤ Dual Core+ GHz Processor
- ➤ Monitor

# Software Requirement

- Operating System: Microsoft Windows XP, Windows 7, Windows 10.
- > Front End Tools: Microsoft Visual Studio 2013.
- ➤ Back End Tools: SQL Server Management studio 2012(SSMS)
- ➤ Documentation Tools: Microsoft Word 2016
- ➤ Browser specification: Google Chrome



# **REQUIREMENT SPECIFICATION**

- > SQL Server DB used to maintain the all concerned data.
- ➤ Uses special views to display data.
- ➤ Display all types of data using classified reports with combinations of
- > multiple tables.
- ➤ Controlling the information regarding whole website.

# PROBLEM DEFINATION

- ➤ Maintain user registration.
- > Searching any bus, flight or hotel.
- ➤ Maintain user profile.
- > Select any seats or room.
- ➤ Book multiple tickets.
- Contact admin through contact us
- > Print your booked tickets and room receipt.



# **Project Planning & Scheduling**

YSD Journey Booking is an online booking website where user can book

- Bus ticket
- Flight ticket
- Hotel Room

Before selecting this subject, we found the problem of the users like the user need to visit all these websites separately because user want to book any type of way to journey as per requirement, so user faced many problems and waste the time to visit many websites. So, we think we can solve this problem and we can make a website which provide all these facilities at one place. So, we created this website so now user can book all the tickets at one place and enjoy their journey without any interruption.



# **System Analysis**

System analysis is the process of identification of objectives and requirements, evaluation of alternative solutions and recommendation for a more feasible solution. In other words, system analysis is the step-by-step process of gathering, recording and interpreting facts. The main aim of analysis is to determine problem areas and to take solutions to reduce or eliminate them.

- ➤ System analysis itself breaks into two stages:
  - 1. Preliminary analysis
  - 2. Detailed analysis

During analysis, data are collected from the available files, decision points and transactions of the systems using various tools like Data Flow Diagram (DFD).



# **Feasibility Study**

A purpose of feasibility study is to check out the possibility of a computerized solution to the organization's observed problem before very much money that has been spent on.

A feasibility study is carried out to select the best system that meets performance requirements. Only by spending the time to evaluate the feasibility do I reduce the chances for extreme embarrassment at later stage of the system project.

For the complete feasibility study, I need to concentrate on following

Area: They are of Three types:

- 1. Technical
- 2. Operational
- 3. Economical



#### > Technical

Technical feasibility considers whether the desired project can be completed within the framework of available technology. As our project was website designing, this was not much of a problem, as many advanced web-editing tools are available.

### > Operational

Operational feasibility was done to assure that the product that would be developed would be used. Since a cards and gifts has to have a website of its own sooner or later, that wasn't much of a problem.

#### **Economical**

Our Commercial Website is Economically Feasible Because. We have developed this website only for one time. Only future enhancement is required on the other hand every client can view our site any time or many times as per their requirement. So, the future economical expenses are null. So, we can say that this website is totally economically feasible.



# **Project Page Structure**

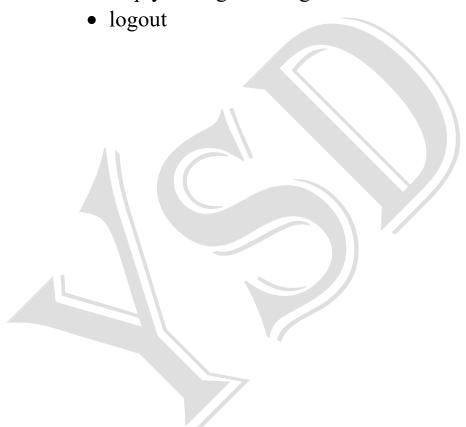
### **≻Client Side**

- Registration
- Login
- Contact Admin
- logout
- ❖ Bus Ticket Booking
  - Select Departure place and Destination Place.
  - Select Journey Date.
  - View and select bus.
  - Select seats.
  - Pay online payment
  - Print Ticket.
- ❖ Flight Ticket Booking
  - Select Departure place and Destination Place.
  - Select Journey Date.
  - View and select flight.
  - Select seats.
  - Pay online payment
  - Print Ticket.
- ❖ Hotel Room Booking
  - Select City where user want to stay.
  - Select Check-In Date and Check-out Date.
  - View and select Hotels.
  - Select room.
  - Pay online payment
  - Print Receipt.



# **≻**Admin Side

- Login
- User control
- View and manage the users.
- Add, edit or delete bus, flight or hotel.
- Reply through message to user





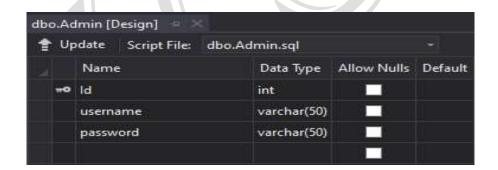
# **Data Dictionary**

The data Dictionary is a set of tables. SQL server DB uses it to maintain information about website.

- ➤ Data dictionary contains the following information:
  - Name of the table of database.
  - User information such as privileges.
  - Name and data-type of all columns in database table.
- **❖** Database Name: ysddb.sql

#### 1. Admin

This table used to store admin information.



#### 2. Users

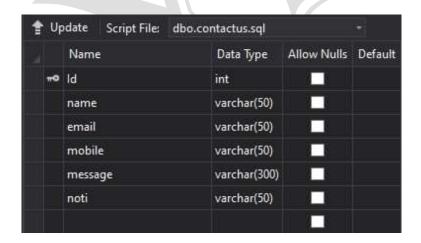
This table used to store user's information.





### 3. Contact us

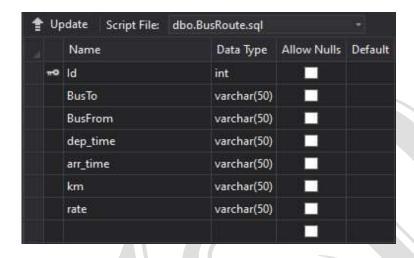
This table used to store contact us information.





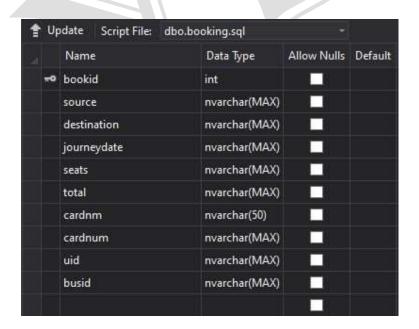
#### 4. BusRoute

This table used to store bus route information.



### 5.booking

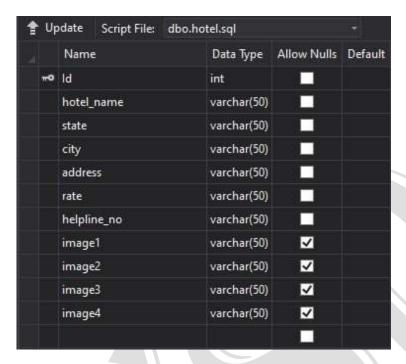
This table is used to store bus booking information.





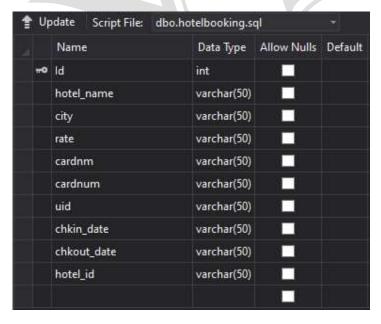
#### 6. hotel

This table is used to store hotel information.



# 7. hotelbooking

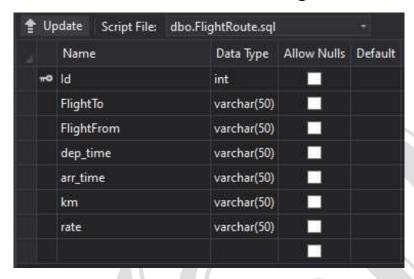
This table is used to store hotel booking information.





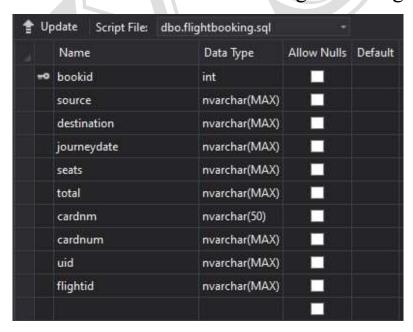
### 8. FlightRoute

This table is used to store flight information.



### 9.flightbooking

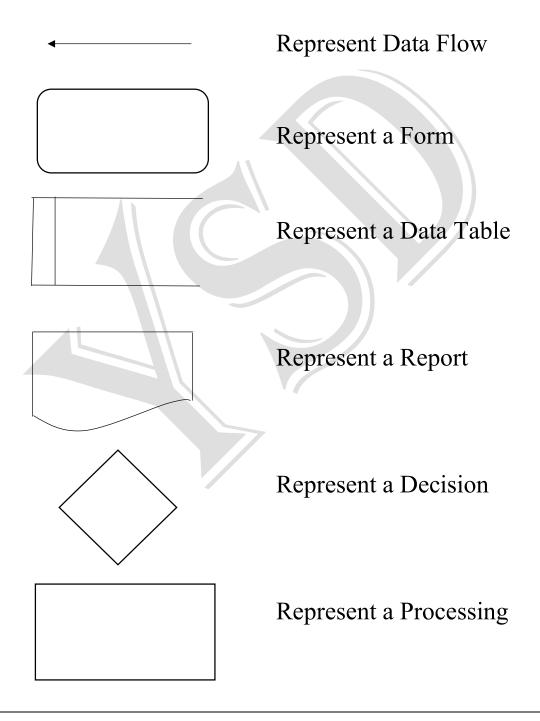
This table is used to store flight booking information.





# **Data Flow Diagram**

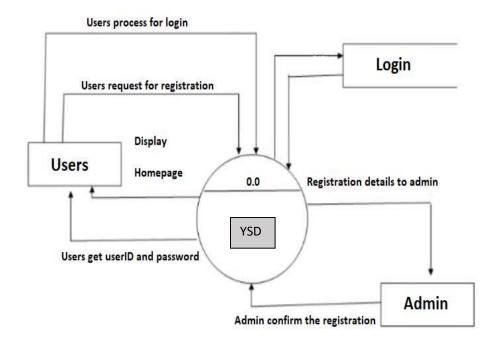
The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system.





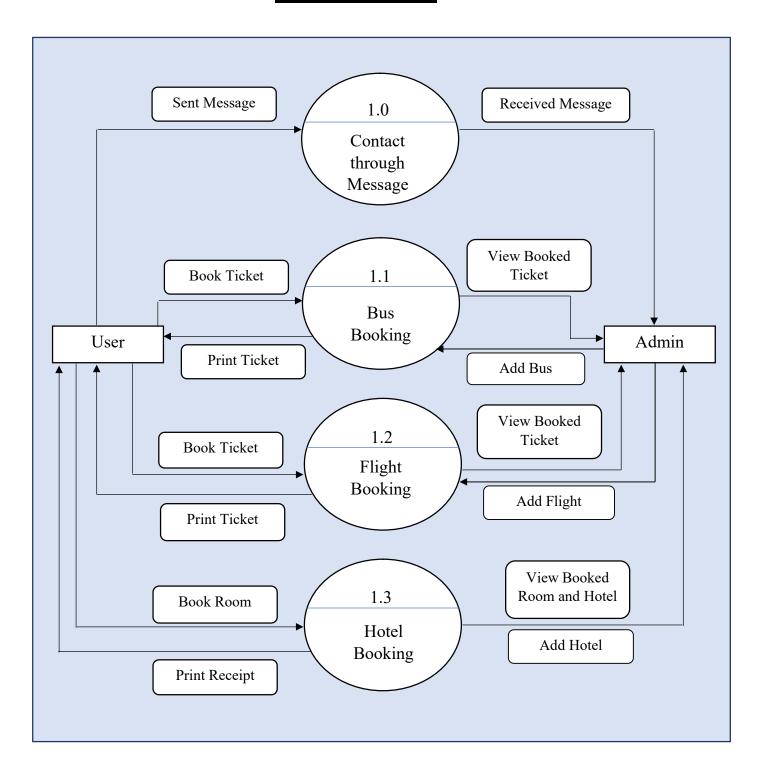
# **Context level Diagram**

# (0 Level DFD)



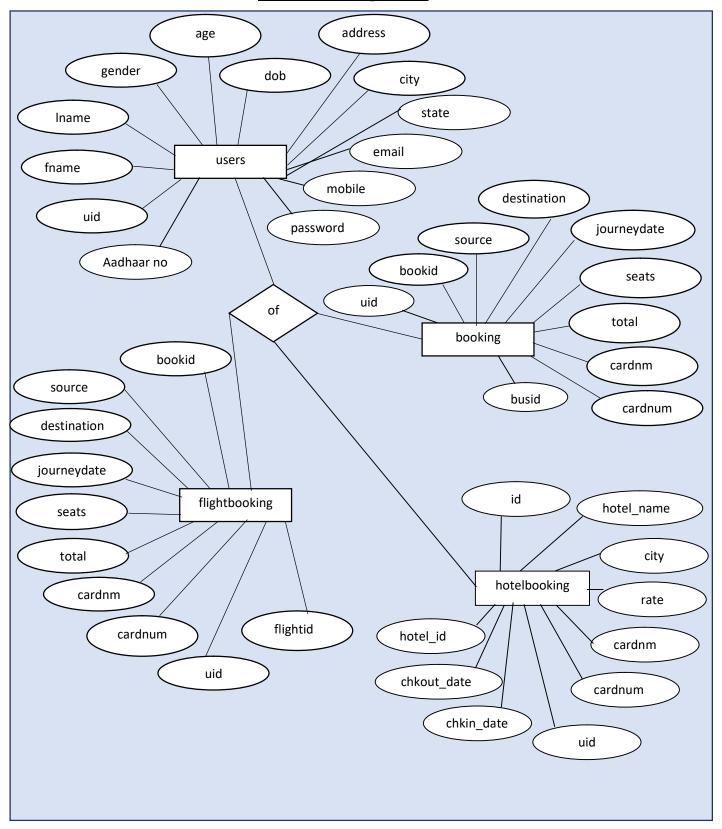


# 1st Level DFD



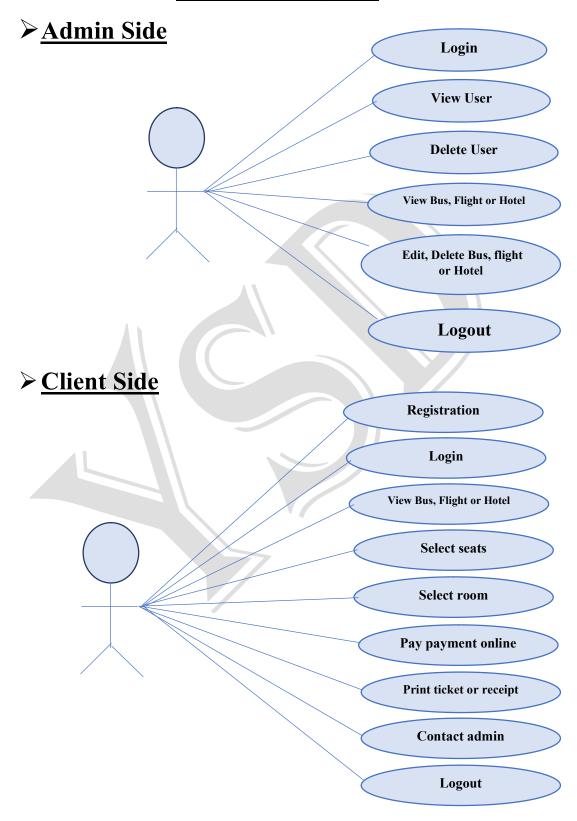


## ER – Diagram





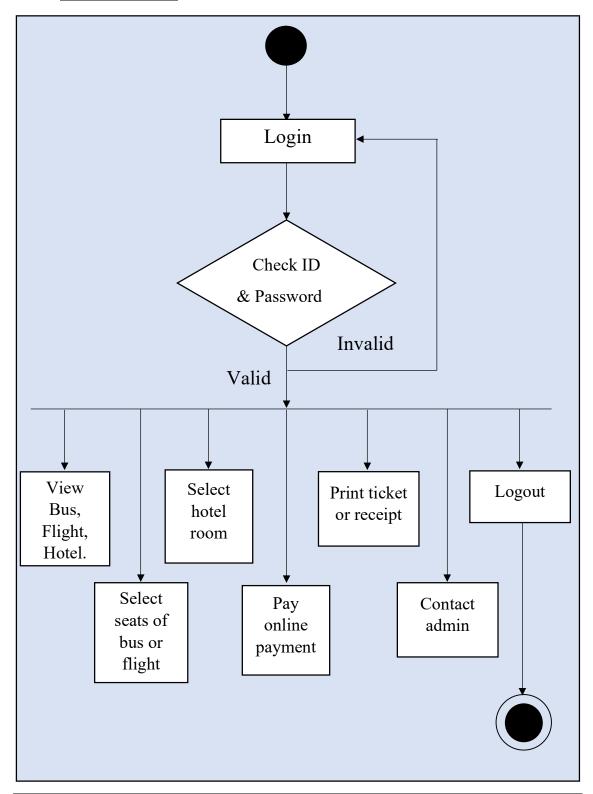
# **Usecase Diagram**





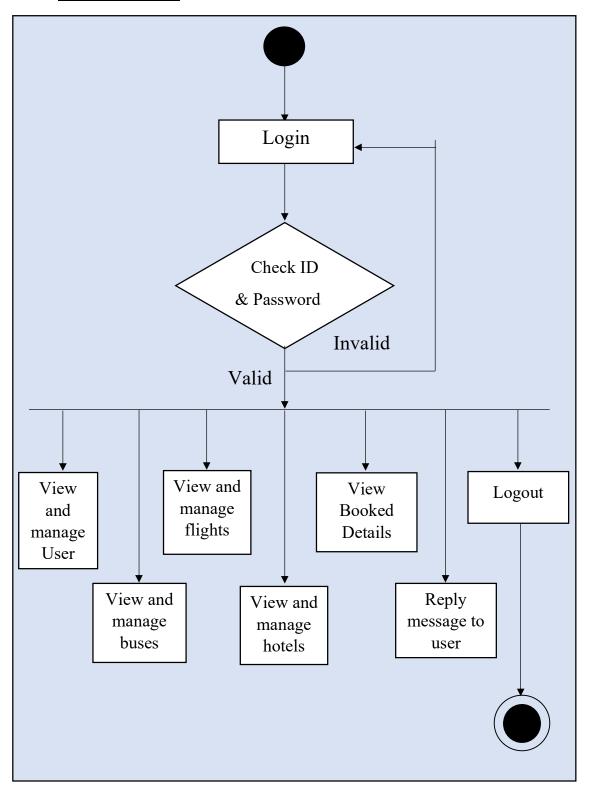
# **Activity Diagram**

## **≻** Client Side





## **≻** <u>Admin side</u>





# **Screenshots**

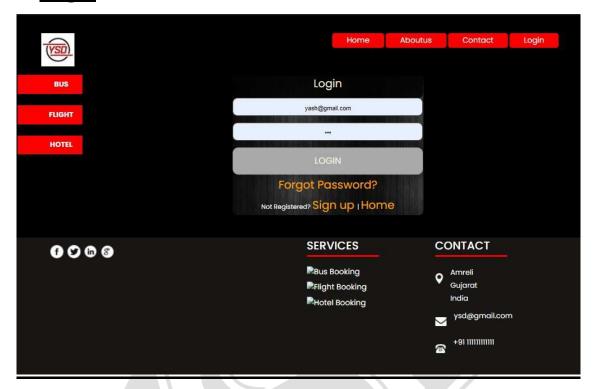
# **≻** Client side

### • Home

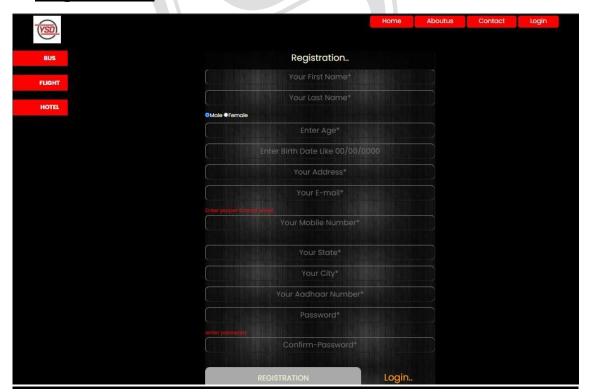




### • Login

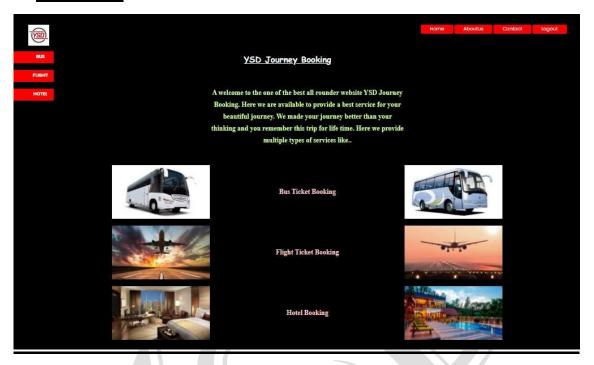


# • Registration

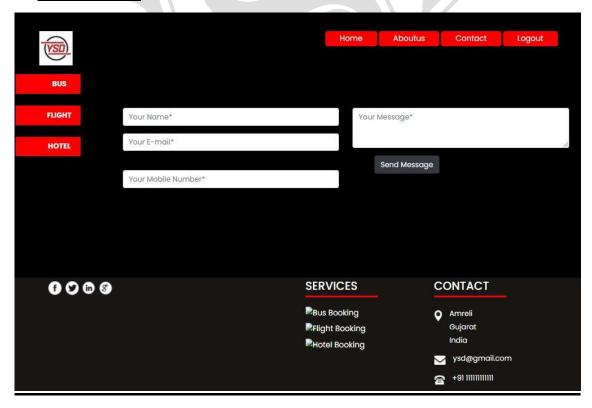




### • About us

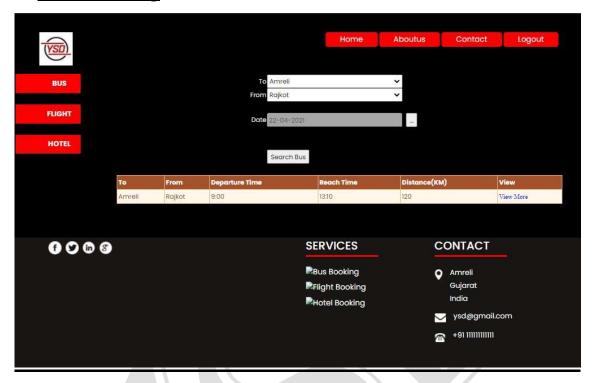


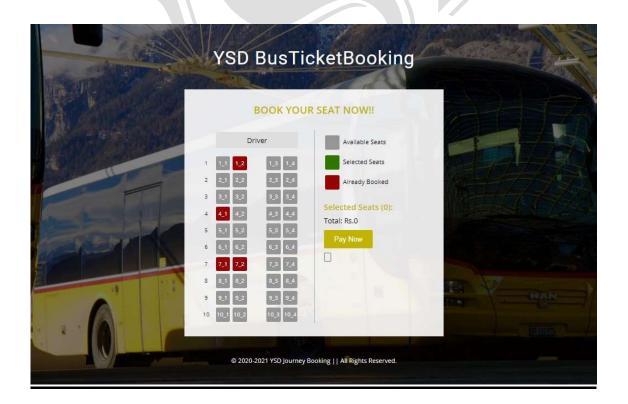
### • Contact us



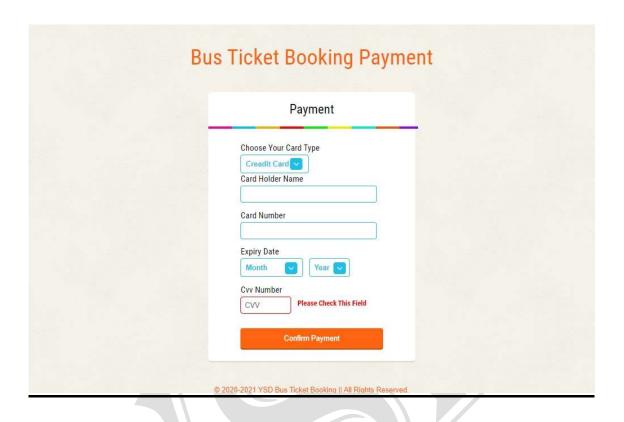


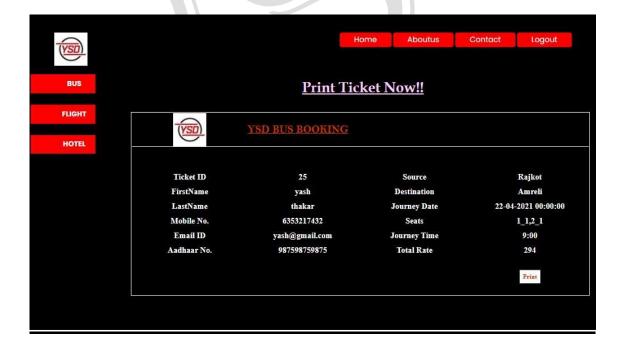
### • Bus Booking





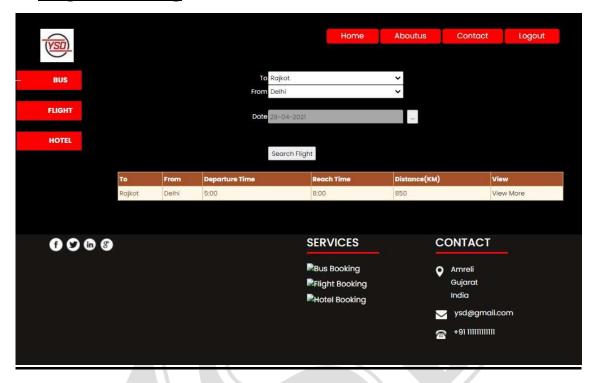


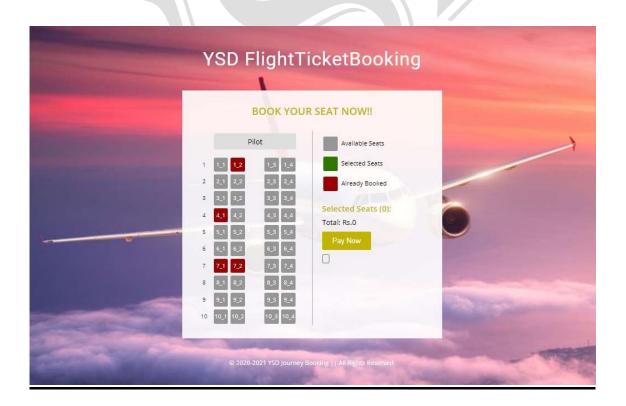




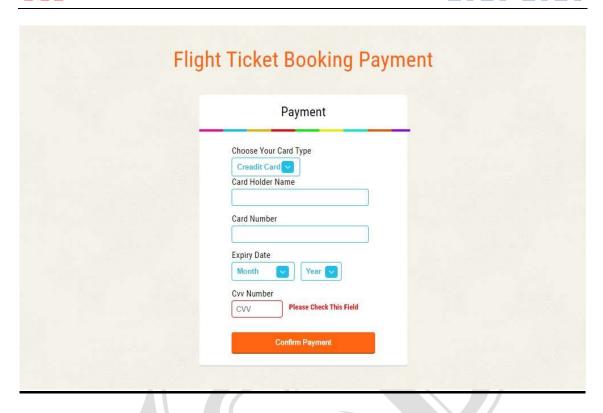


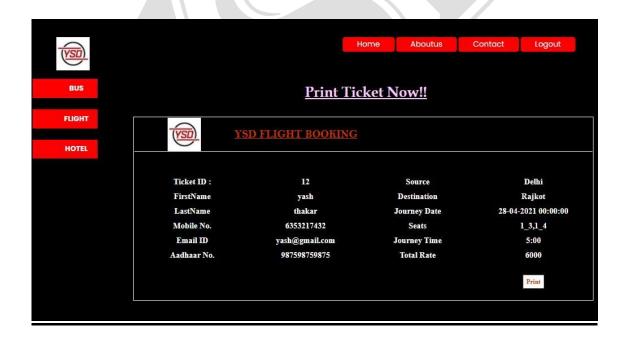
### • Flight Booking





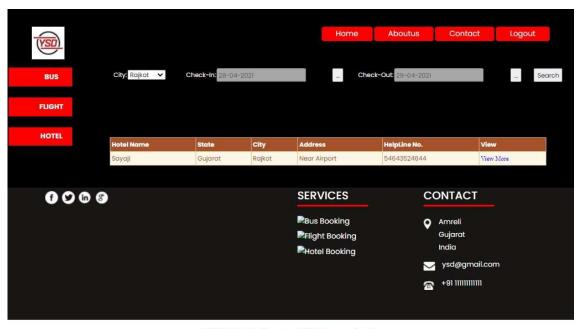




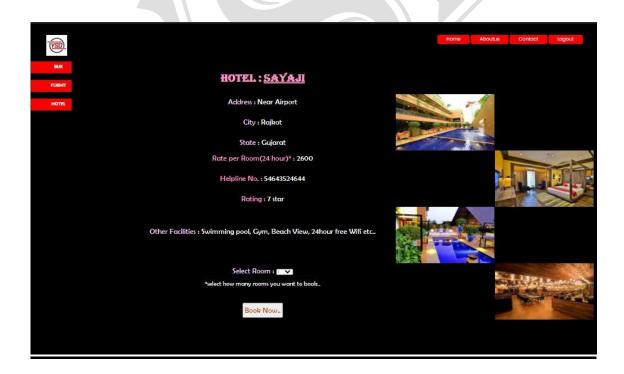




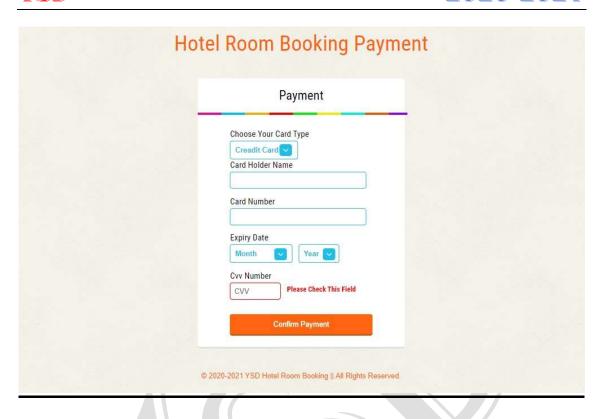
### • Hotel Booking



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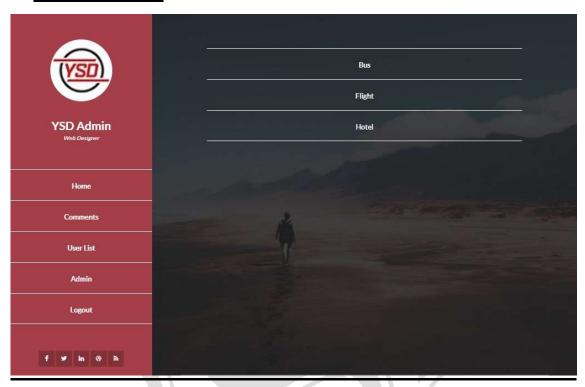




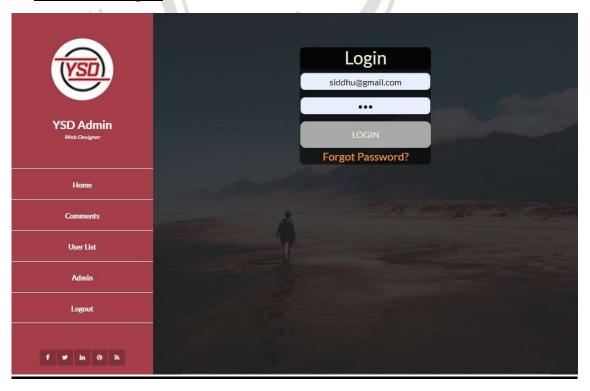


## **≻** <u>Admin side</u>

## • Admin Home

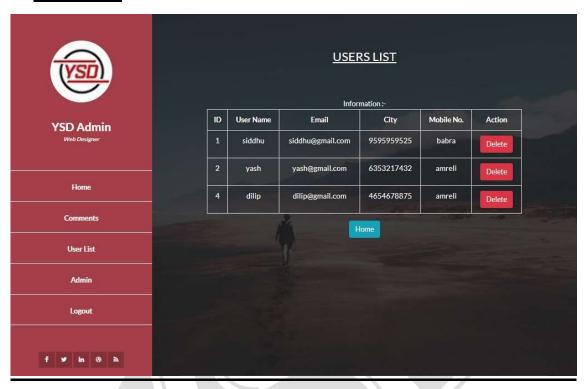


### • Admin Login

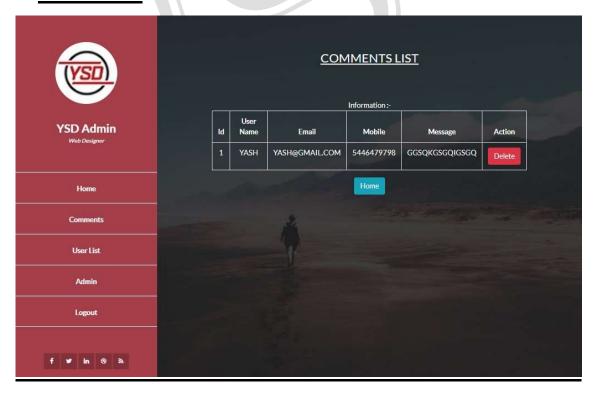




### • <u>User List</u>

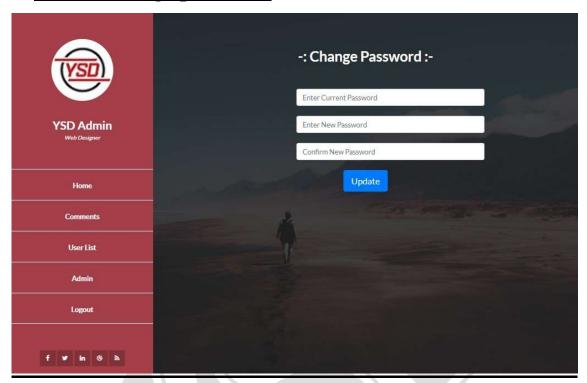


#### • Comments

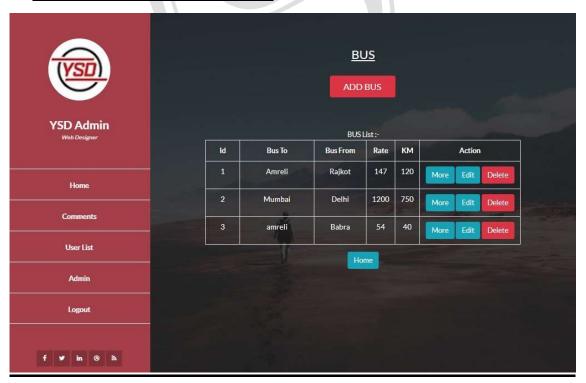




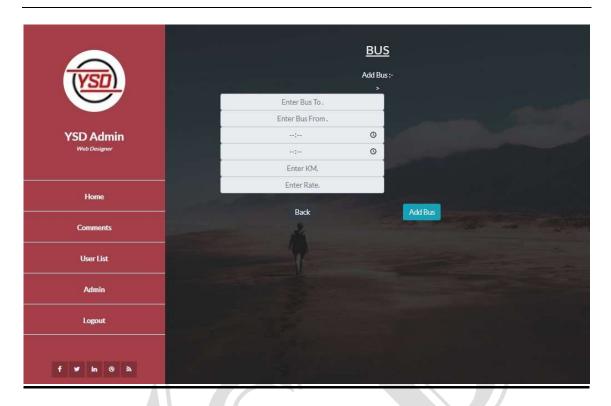
### • Admin change password



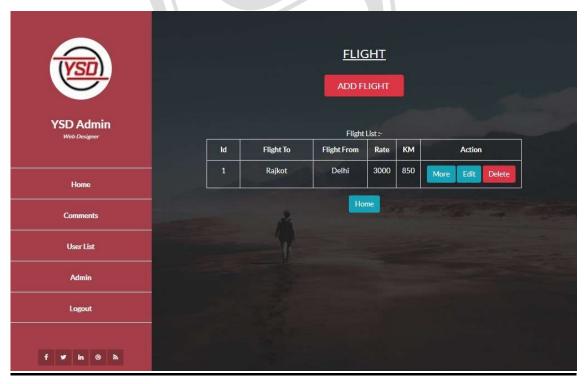
### • Admin Bus Management



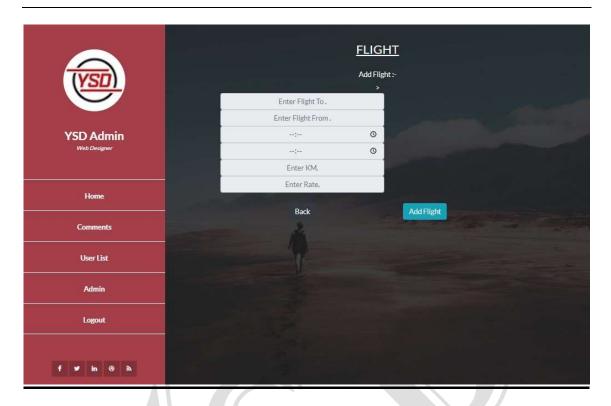




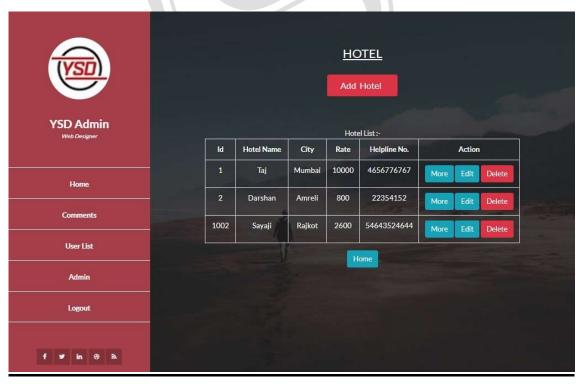
# • Admin Flight Management



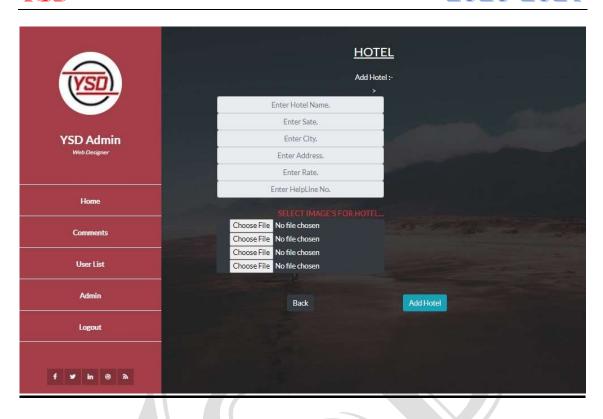


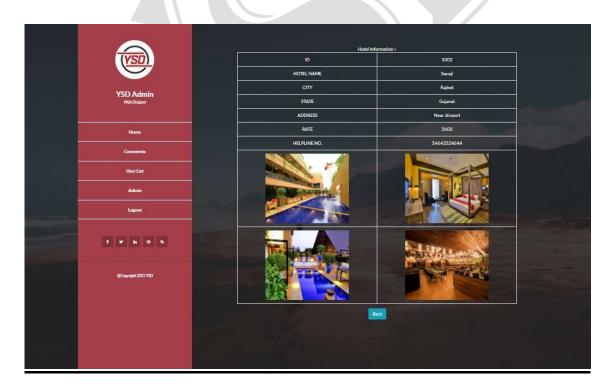


### • Admin Hotel Management











# **Bibliography**

- 1. Stack Overflow
- 2. Google
- 3. You Tube

