

# BUS TICKET BOOKING SYSTEM

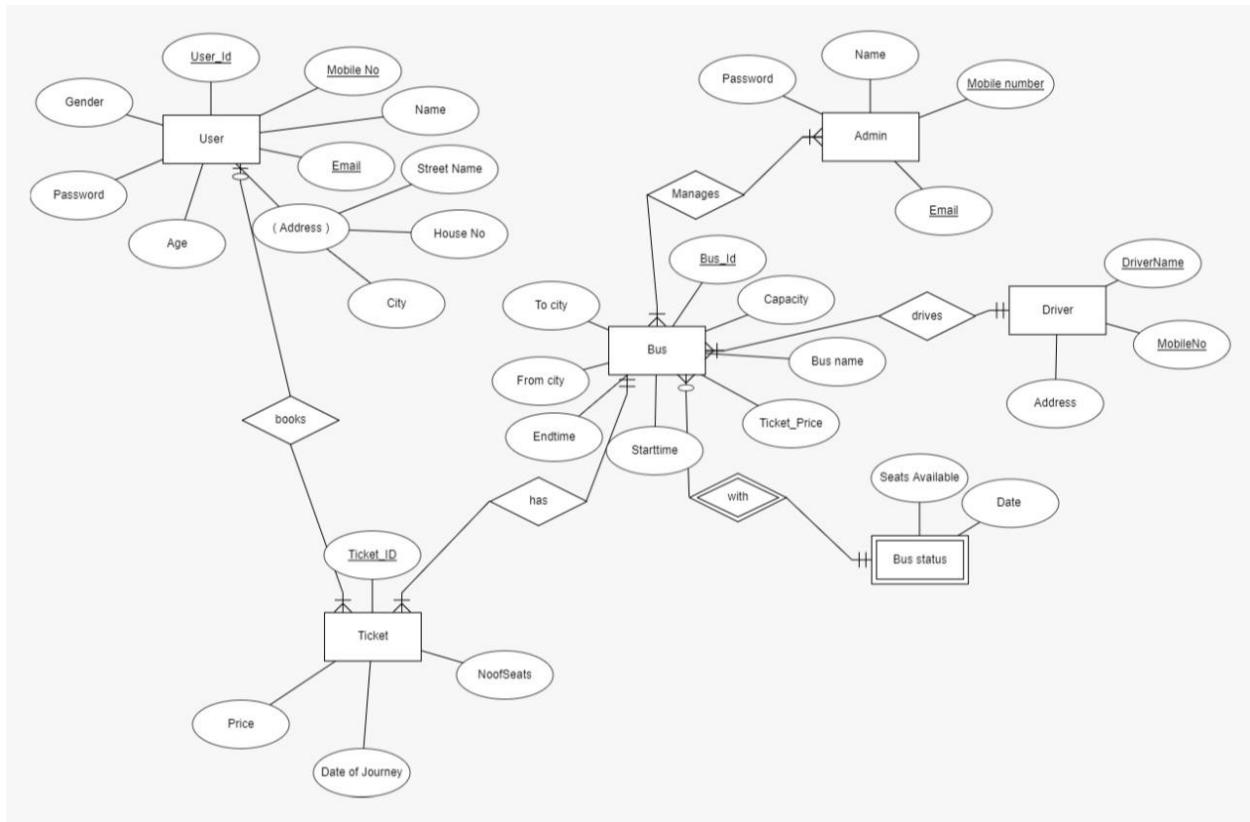
## Abstract

The bus ticket booking system is a web app, intended to ease the process of allowing the users to book bus tickets in advance for tension-free journeys.

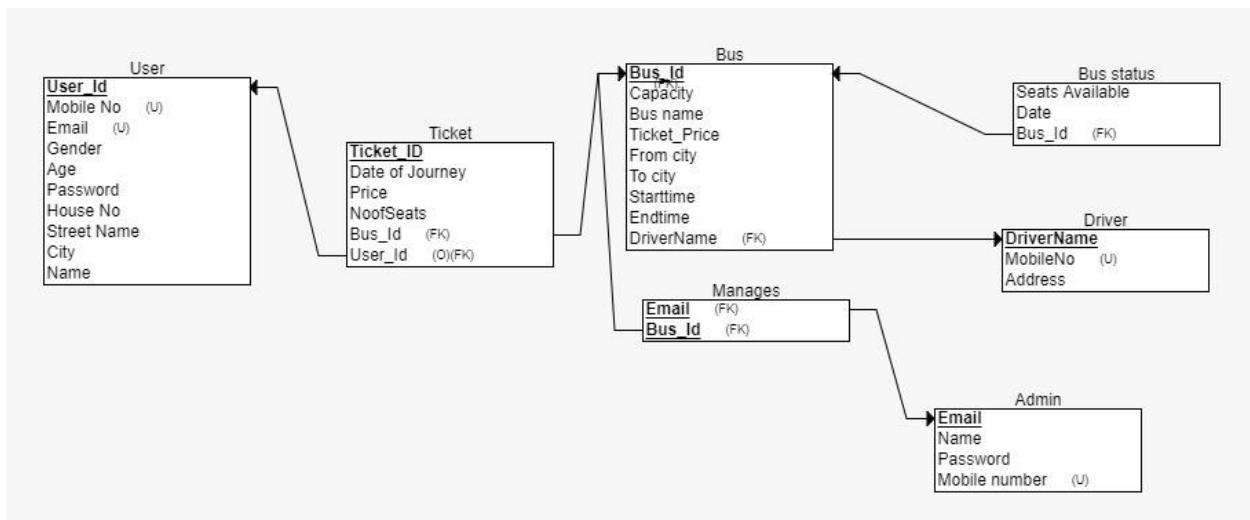
Users register themselves by providing basic information about them. And they could log in through our app using their email and password.

Users can book tickets up to 6 at max in one go. Admin handles the buses by adding and editing the buses.

# ER Diagram



# Relational Schema



## 1. BUS TABLE

BUS\_ID: A, BUS\_NAME: B, FROM CITY: C, To CITY: D, Capacity: E, START TIME: F, REACH TIME: G, TICKET PRICE: H, Driver Name: I

FD's: A  $\rightarrow$  BCDEFGHI

CK: A

LHS of all the FDS is Super key  $\Rightarrow$  BCNF

## 2. USER TABLE

ID: A, Name: B, Email: C, Password: D, Mobile: E, Gender: F, Age: G, House no: H, street Name: I, City: J

FD's: A-> BCDEFHGIJ

C->ABDEFGHIJ

E->ABCDEFGHIJ

BCNF

## 2. TICKET

TicketID: A, no of seats: B, Price: C, Date of Journey: D, BusID E, UserID F

FD's: A -> BCDEF

CK: A

Since LHS of all the FD is a super Key, it is in BCNF

## 3. Admin

Email: A, Name: B, Mobile: C, Pwd: D

FD's : A->BCD

C-> ABD

CK: A, C

Since LHS of all the FD is a super Key, it is in BCNF

#### 4. Manages

Bus\_ID: A, Email: B

FD: None

CK: AB

=> BCNF

## 5. BusStatus

Bus\_ID: A, Date: B, Seats\_available: C

FD: AB->C

CK: AB

As all LHS of FDS is superkeys => BCNF

## 6. Driver

DriverName : A ,MobileNo :B ,Address : C

FD: A->C

B->C

CK:AB

As all LHS of FDS is superkeys => BCNF

## 7. Bus

BUS\_ID: A, BUS\_NAME: B, FROM CITY: C, To CITY: D, Capacity: E, START TIME: F, END TIME: G, TICKET PRICE: H

FD's: A -> BCDEF

CK: A

LHS of all the FDS is Super key => BCNF

# Screenshots

The screenshot shows a web-based application titled "Bus Management". At the top, there is a navigation bar with icons for Profile, Add Bus, View Buses, View Users, and Logout. The main title "Users List" is centered above a table. The table has columns for User Id, User Name, Email, Phone no, Age, and City. The data is as follows:

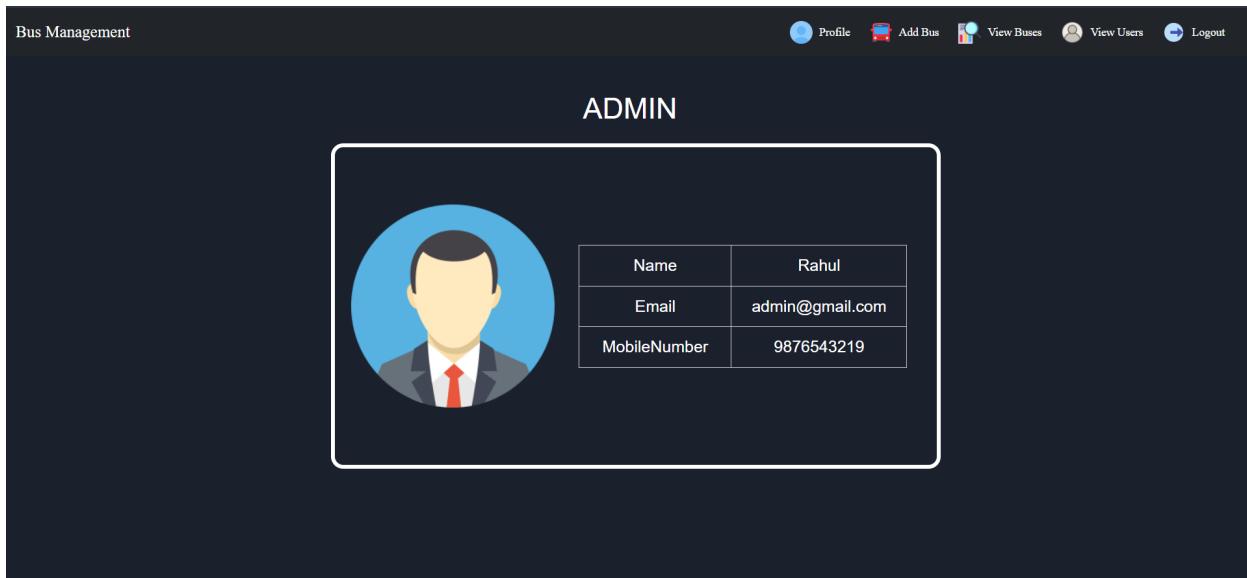
User Id	User Name	Email	Phone no	Age	City
1	rahul	a@gmail.com	8247690051	49	hyderaad
2	rahul	b@gmail.com	8247697257	35	eafbds
3	rahul	c@gmail.com	8847697257	35	eafbds
4	ff	ff@gmail.com	9236549875	29	Hyd
5	kalyan	dds@gmail.com	9567891235	34	Kolkata
6	praneeth	gg@gmail.com	9876543215	50	Hyderabad
7	Garg	kk@gmail.com	9698521475	33	Mumbai
8	Kuldeep	pp@gmail.com	9478523695	40	Gandhinagar
9	Fana	fana@gmail.com	9876544568	22	Indore
10	Ram	ram@gmail.com	9865321476	36	Shimla

```
1 select * from `dbms`.`users`;
```

```
1 •   SELECT * FROM dbms.admin;
```

Result Grid | Filter Rows:  Edit: | Ex

	Email	Name	Password	MobileNo
	a@...	a	123	123456...
	b@...	b	123	234567...
	c@g...	C	123	345678...
	d@...	d	123	456789...
	e@...	e	123	567890...
	f@g...	f	123	678901...
	g@...	g	123	789012...
	h@...	h	123	890123...
	i@g...	i	123	901234...
▶	j@g...	j	123	012345...
*	NULL	NULL	NULL	NULL



```
1 •  SELECT * FROM dbms.drivers;
```

name	mobilenumber	address
Arjun	8695327415	Chandigarh
Das	9635824761	Mumbai
Dj Tillu	8745126935	Mumbai
Garan	9879873215	Bangalore
Gourav	8456321546	Hyderabad
Karan	9234567895	Hyderabad
Kiran	9745612357	Delhi
Mallesh	9876543215	Ranchi
Rathore	9632568741	Gujarat
Tarun	9632587416	Punjab
NULL	NULL	NULL



```
1 •   SELECT * FROM dbms.bus_status;
```

	bussid	tdate	seatsleft
	1	2022-04-27	4
	1	2022-04-28	8
	1	2022-04-29	9
	2	2022-04-27	8
	2	2022-04-28	9
	2	2022-04-29	10
	3	2022-04-28	8
	3	2022-04-29	7
	3	2022-04-30	9
	4	2022-04-28	9
	4	2022-04-29	7
	4	2022-04-30	9
	5	2022-04-28	8
	5	2022-04-29	7
	5	2022-04-30	19
	6	2022-04-27	10
	6	2022-04-28	18

	6	2022-04-29	19
	7	2022-04-27	6
	7	2022-04-28	6
	7	2022-04-29	13
	8	2022-04-27	6
	8	2022-04-28	7
	8	2022-04-29	10
	9	2022-04-27	7
	9	2022-04-28	9
	9	2022-04-29	10
	10	2022-04-27	8
	10	2022-04-28	9
	10	2022-04-29	12
▶ *		HULL	HULL

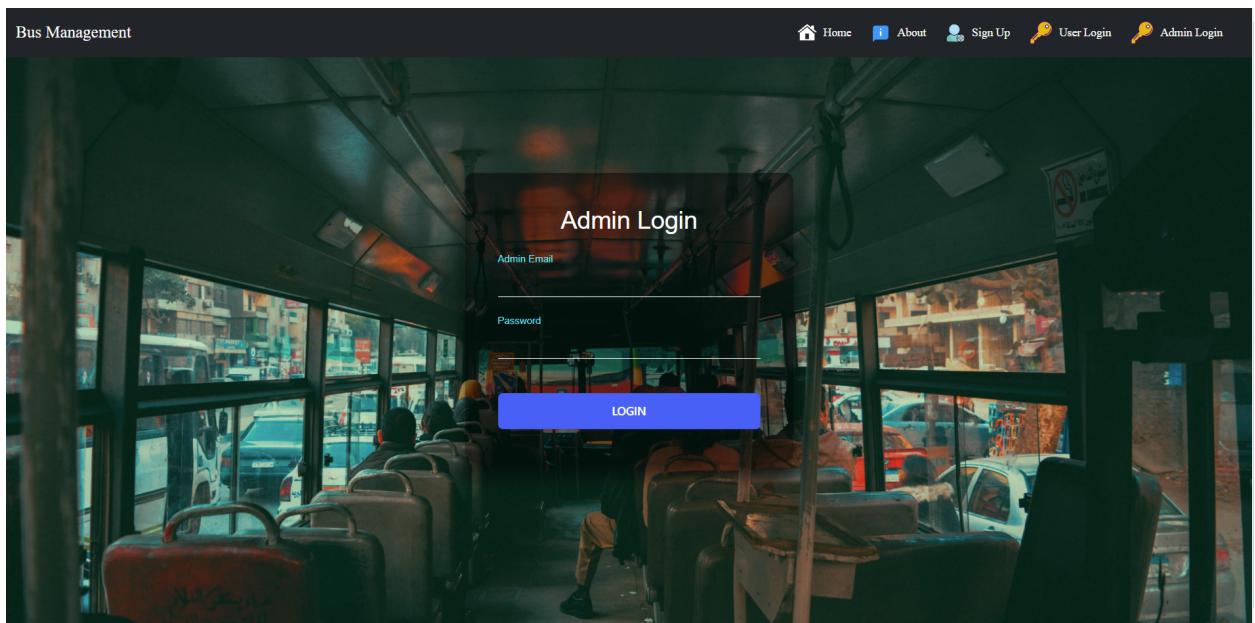
```
1 •  SELECT * FROM dbms.bus_admin;
```

	bus_id	adminemail
▶	8	a@gmail.com
	10	a@gmail.com
	11	a@gmail.com
	15	a@gmail.com
	17	a@gmail.com
	18	a@gmail.com
	8	b@gmail.com
	10	b@gmail.com
	11	b@gmail.com
	12	b@gmail.com
	16	b@gmail.com
	17	b@gmail.com
	4	yunodover@gmail.com
	5	yunodover@gmail.com
	6	yunodover@gmail.com
	7	yunodover@gmail.com
	9	yunodover@gmail.com
	13	yunodover@gmail.com
	17	yunodover@gmail.com
	18	yunodover@gmail.com
*	NULL	NULL

```
1 •  SELECT * FROM dbms.ticket;
```

Result Grid | Filter Rows:  Edit: Export/Import: Wrap Cell Content:

	ticket_id	noofseats	bus_id	user_id	price
1	2	1	1	1	400
2	1	1	2	2	200
3	3	2	1	3	300
4	2	2	2	2	200
5	5	3	3	3	750
6	4	4	4	4	1000
7	2	4	3	3	500
8	6	3	4	4	900
9	2	5	7	7	400
10	3	5	6	6	600
11	1	6	9	9	200
12	4	6	5	5	800
13	5	7	5	5	1000
14	6	7	9	9	1200
15	3	8	6	6	600
16	5	8	7	7	1000
17	6	9	10	10	1200
18	2	9	8	8	400
19	1	10	10	10	200
20	5	10	8	8	1000



## ADMIN



Name	yuno
Email	yunoclover@gmail.com
MobileNumber	8523691470

Bus Management

Profile Add Bus View Buses View Users Logout

### Add a Bus

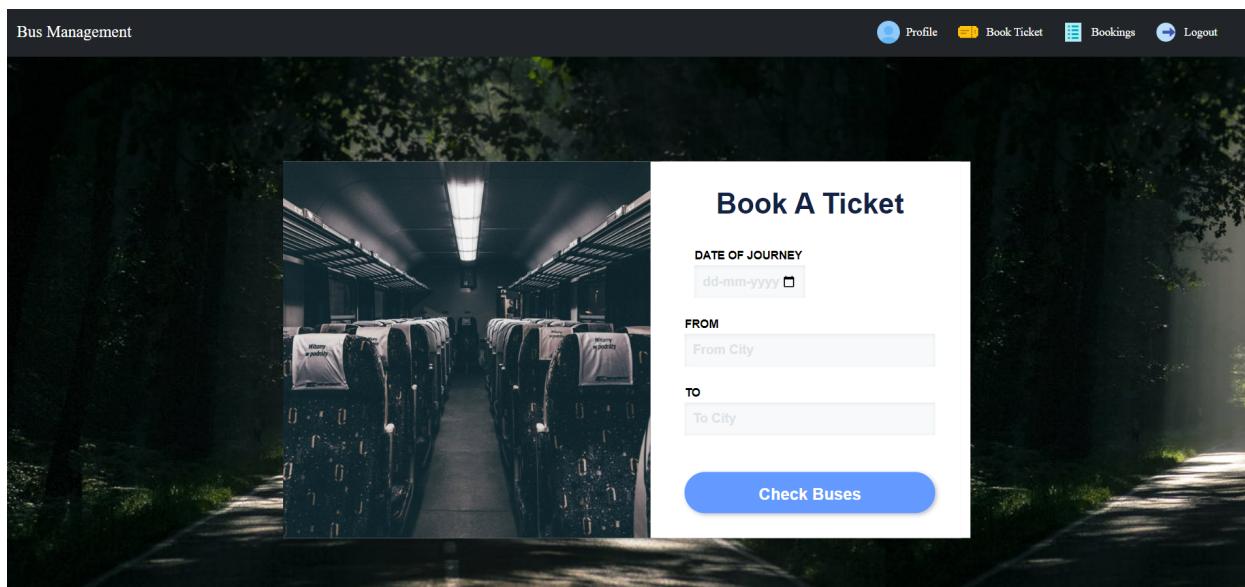
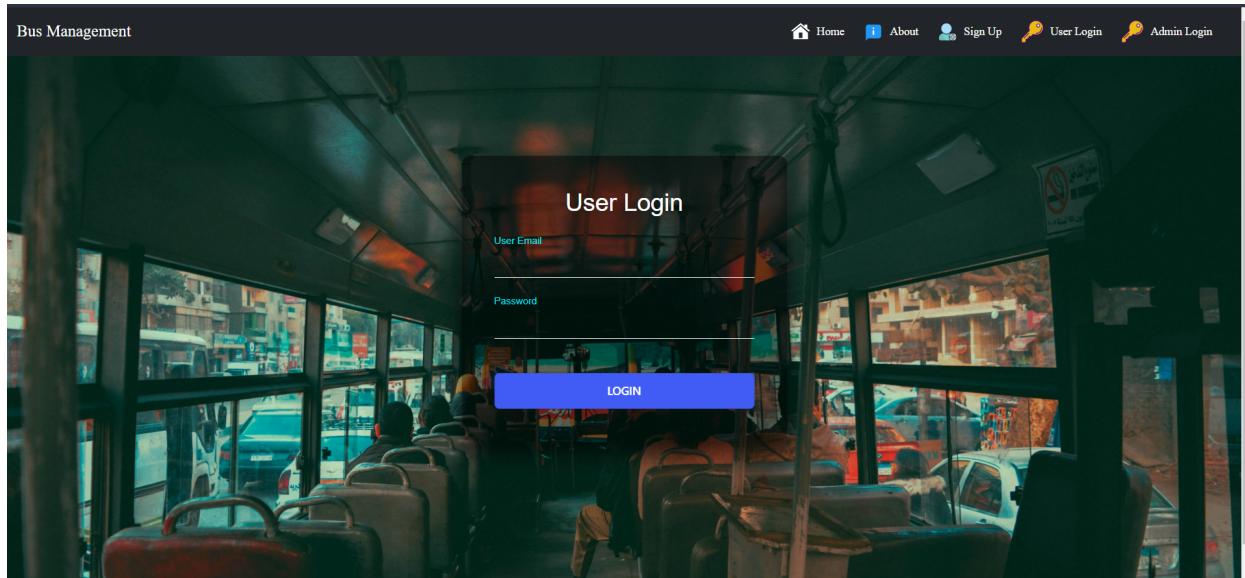
Bus Name	Bus Driver	
<input type="text"/>	<input type="text"/>	
From Bus Stop	--:--	(L)
<input type="text"/>	<input type="text"/>	<input type="button" value="Remove"/>
To Bus Stop	--:--	(L)
<input type="text"/>	<input type="text"/>	<input type="button" value="Remove"/>
Capacity	Seat Price	
<input type="text"/>	<input type="text"/>	

Bus Management

Profile Add Bus View Buses View Users Logout

### Edit Bus 4

New Bus Name	New Bus Driver	
<input type="text"/>	<input type="text"/>	
From Bus Stop	--:--	(L)
<input type="text"/>	<input type="text"/>	<input type="button" value="Remove"/>
To Bus Stop	--:--	(L)
<input type="text"/>	<input type="text"/>	<input type="button" value="Remove"/>
Capacity	Seat Price	
<input type="text"/>	<input type="text"/>	



## Your Bookings

ratnamsdv From a To b Cost ₹30 1

AC 17:47:00 22:51:00 ID: 96 Date 2022-04-27

ratnamsdv From a To b Cost ₹90 3

AC 17:47:00 22:51:00 ID: 96 Date 2022-04-27



User ID	3
Name	rahul
Email	c@gmail.com
MobileNumber	8847697257
Role	User
Age	35

## Buses List

Bus Id	Bus Name	Bus Driver	From City	Start Time	To City	Reach Time	Capacity	Price	Action
3	red travels	Arjun	kolkata	17:47:00	jaipur	23:10:00	30	₹40	
4	raj travels	Das	hyd	05:30:00	shimla	08:45:00	20	₹50	
5	yeet	Das	noida	14:26:00	jaipur	17:47:00	66	₹55	

	6	s dav	Das	shimla	05:30:00	noida	08:45:00	10	₹45		
	7	dadd	Garan	noida	23:10:00	jaipur	17:47:00	46	₹65		
	8	huss	Garan	shimla	08:45:00	gangtok	05:30:00	55	₹55		
	9	aaa	Garan	noida	17:47:00	shimla	14:26:00	25	₹65		
	10	fass	Gourav	shimla	14:26:00	jaipur	05:30:00	47	₹45		

	11	sdfsdf	Gourav	bhopal	08:45:00	kolkata	17:47:00	30	₹65		
	12	ddff	Gourav	kolkata	17:47:00	bhopal	23:10:00	87	₹55		
	13	sss	Karan	bhopal	05:30:00	noida	17:47:00	17	₹65		
	14	wef	Karan	bhopal	05:30:00	shimla	23:10:00	32	₹45		
	15	wefd	Karan	kolkata	08:45:00	bhopal	17:47:00	48	₹55		

	16	ewfwe	Kiran	bhopal	17:47:00	kolkata	14:26:00	30	₹30		
	17	ffffg	Kiran	delhi	08:45:00	bhopal	05:30:00	50	₹55		
	18	ddsd	Kiran	bhopal	17:47:00	noida	14:26:00	77	₹65		
	19	ddddd	Mallesh	kolkata	15:55:00	ranchi	17:47:00	44	₹55		
	20	few	Mallesh	noida	14:26:00	bhopal	15:55:00	36	₹60		

	19	ddddd	Mallesh	kolkata	15:55:00	ranchi	17:47:00	44	₹55		
	20	few	Mallesh	noida	14:26:00	bhopal	15:55:00	36	₹60		
	96	ratnamsdv	Karan	a	17:47:00	b	22:51:00	20	₹35		
	100	ratnaxmsdv	Karan	sadvsadv	17:47:00	sdvs	22:51:00	20	₹30		

## Group Members

1. **Vishnu Praneeth** – 2020A7PS0126H
2. **S.V.S. RAHUL** – 2020A7PS0204H
3. **Nagalla Sai Charan** – 2020A7PS0182H

4. Saladi Guru Harshavardhan – 2020A7PS0170H

GitHub Link

<https://github.com/SaiRahul01/BUSTICKET-BOOKING>