

Project Development

























Phase Sprint-2

TEAM ID	PNT2022TMID10319
PROJECT NAME	SMART SOLUTIONS FOR RAILWAYS

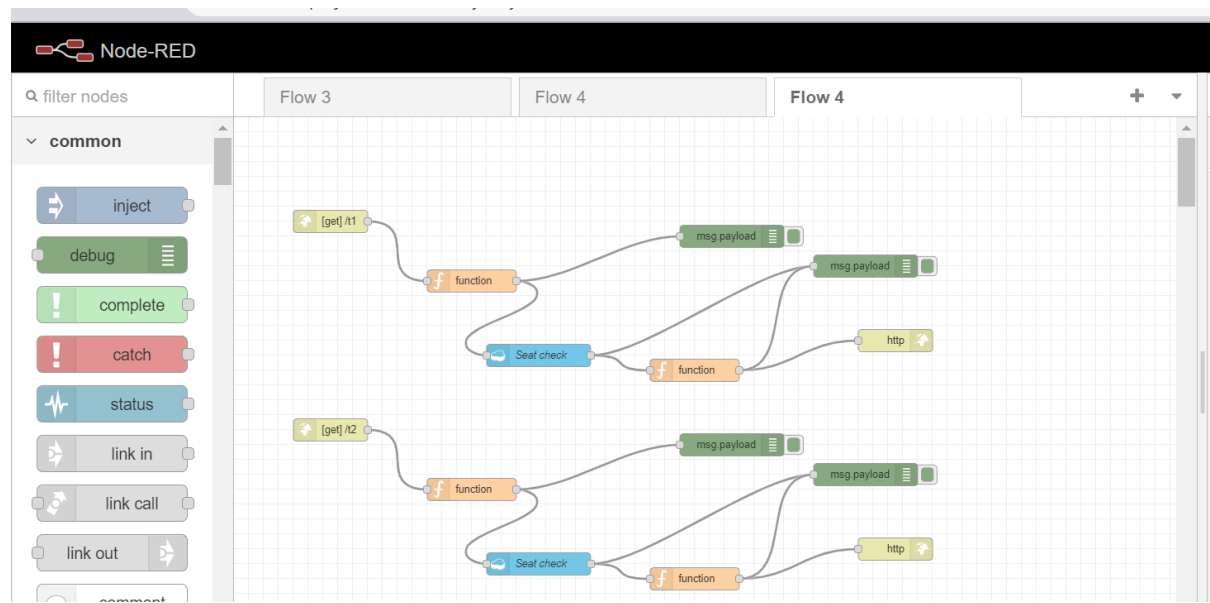
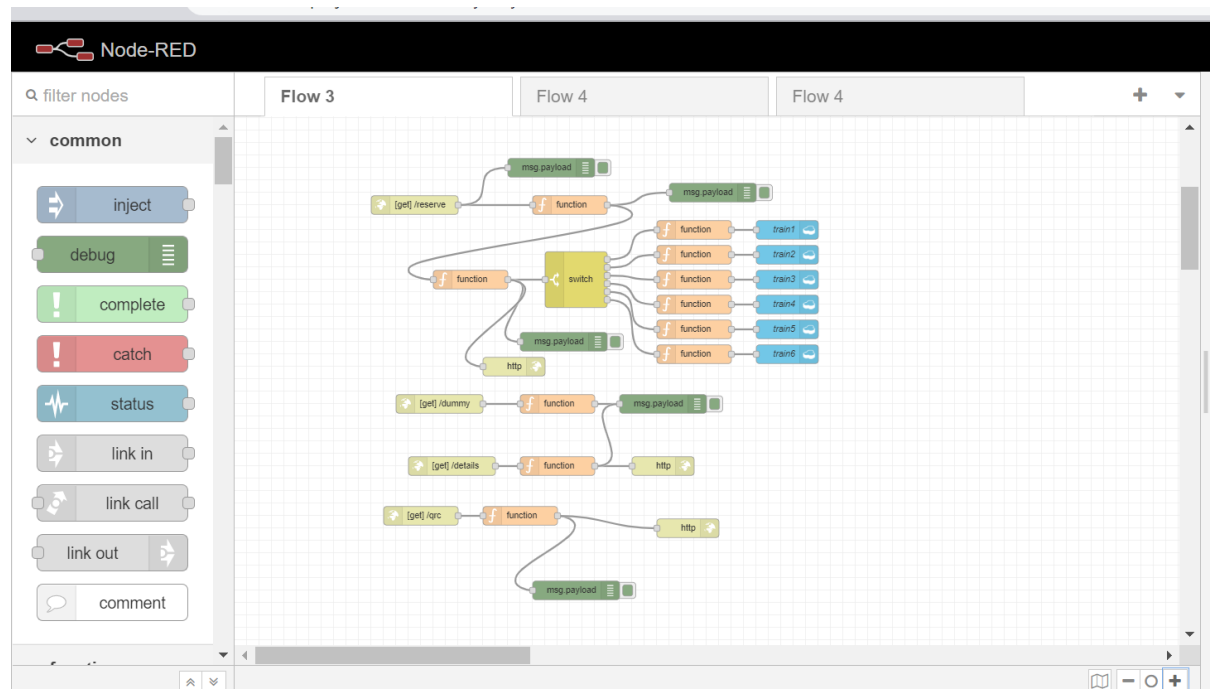
Features Added:

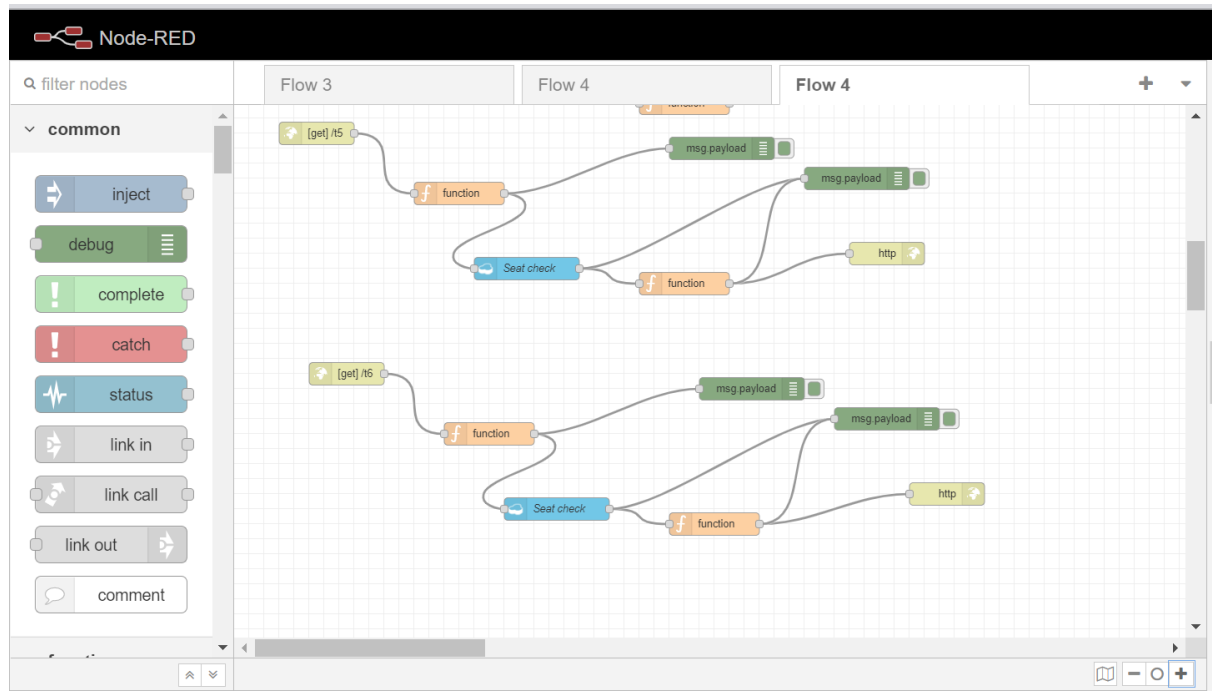
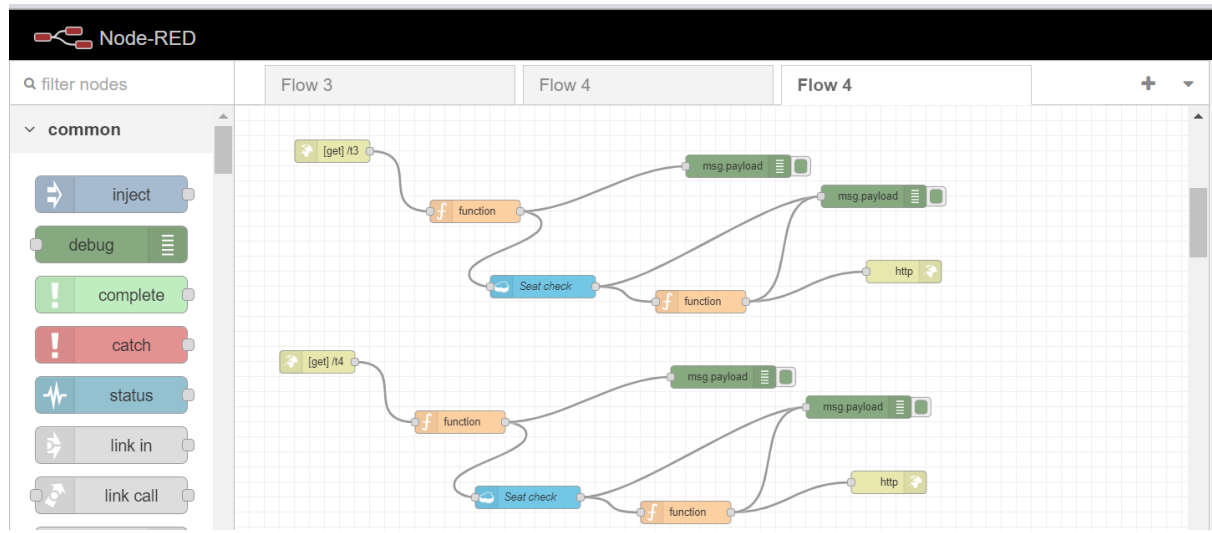
- ❖ The User can check ticket availability for a particular train from any of following stations:
 - Coimbatore
 - Ooty
 - Coonoor
- ❖ The User can reserve a ticket by entering passenger details
- ❖ Background UI is also updated.

Database before test:

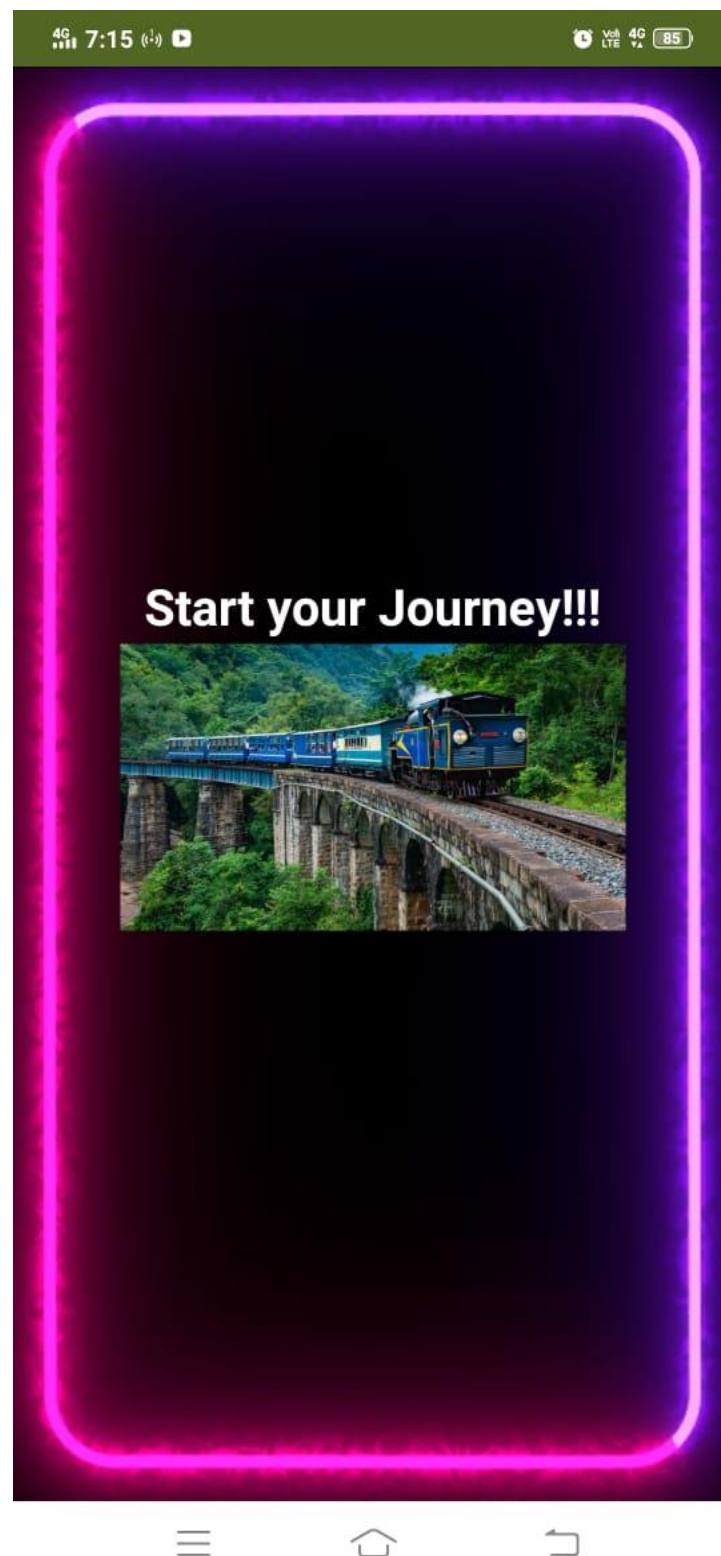
Databases					Database name	Create Database	{ } JSON		
Your Databases									
Name	Size	# of Docs	Partitioned	Actions					
noderedipvcj20221111	56.0 KB	4	No	  					
reg	1.2 KB	9	No	  					
reservation	487 bytes	6	No	  					
t1	195 bytes	2	No	  					
t2	98 bytes	1	No	  					
t3	97 bytes	1	No	  					
t4	96 bytes	1	No	  					
t5	0 bytes	0	No	  					
Showing 1–9 of 9 databases.					Databases per page	20	«	1	»

Nodes in Node red:



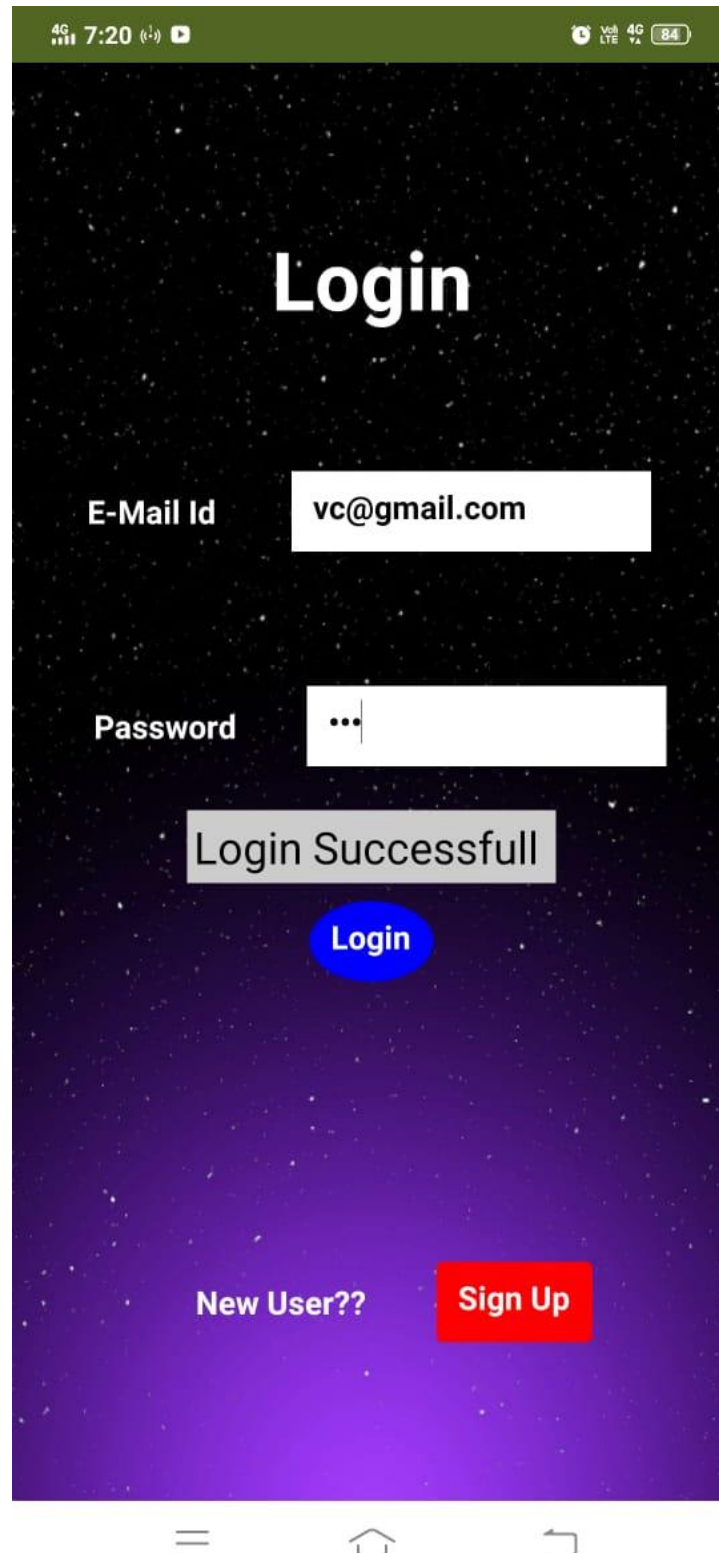


Screen 1 of Application:

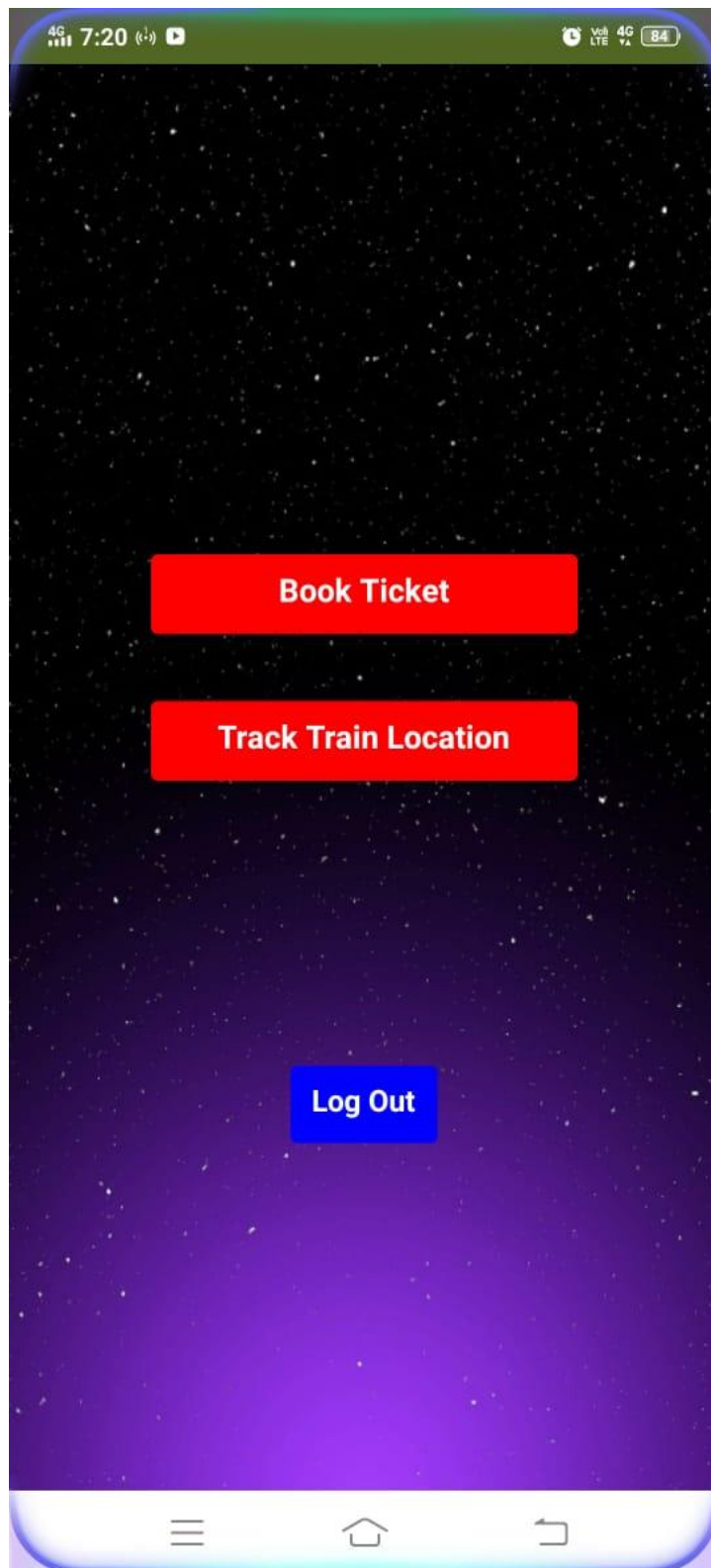


Test Cases

Test Case 1: User Login with Correct Information



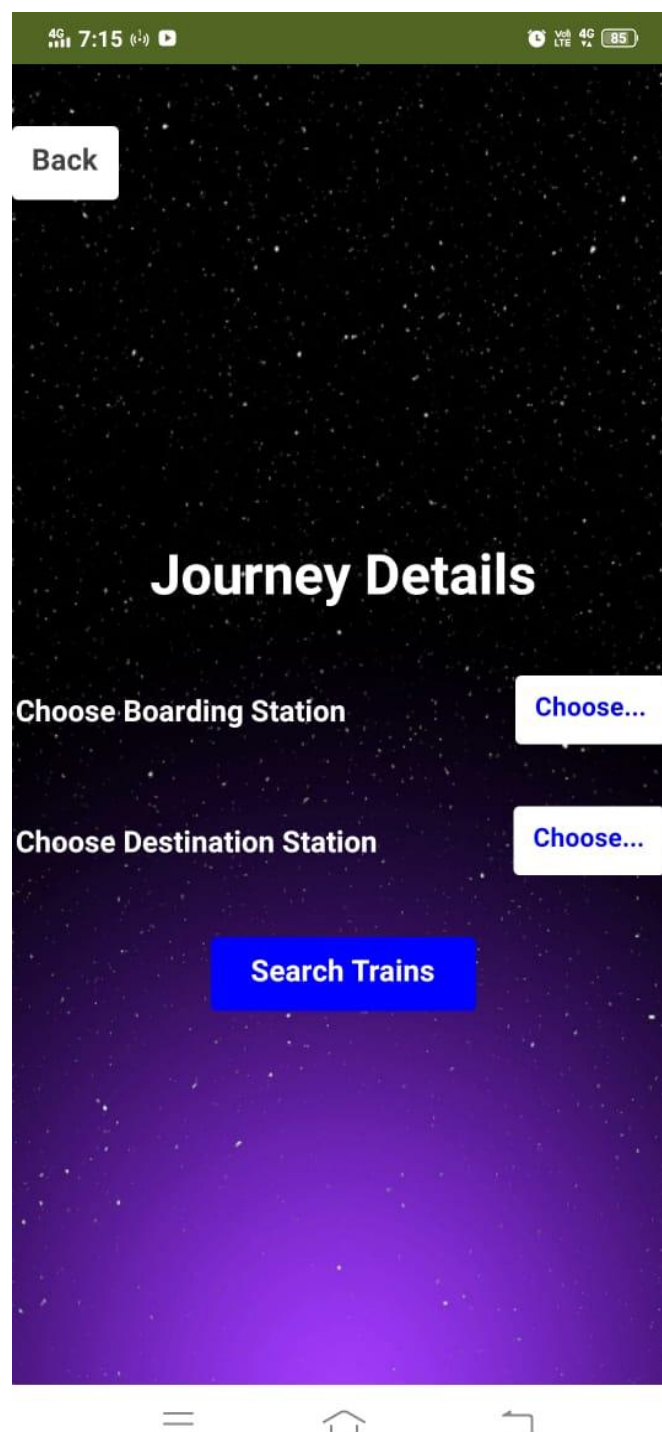
Page Viewed after login:



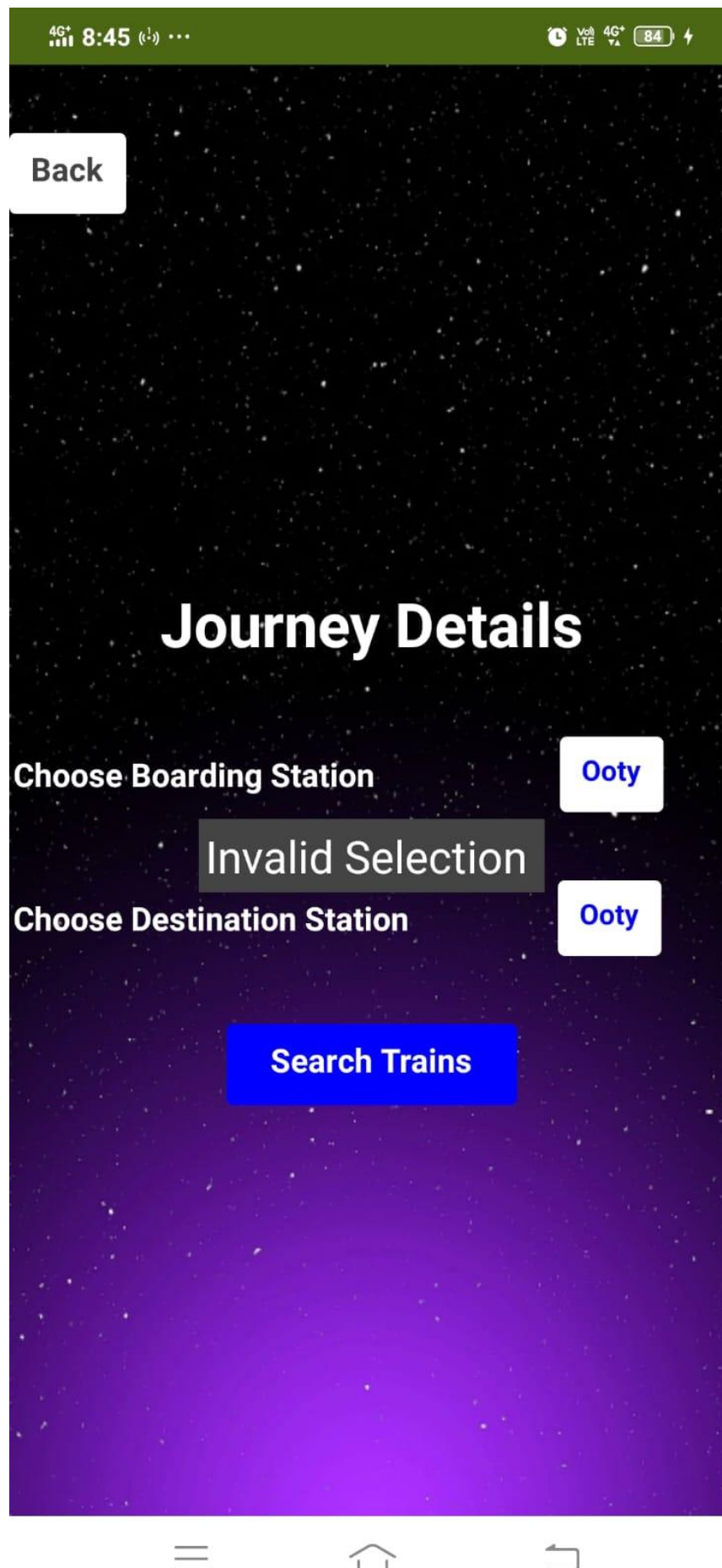
Node red Output during login:

```
11/18/2022, 7:19:58 AM node: 9762d5bc32c6e239  
msg.payload : Object  
▼object  
  E-Mail Id: "vc@gmail.com"  
  Password: "123"
```

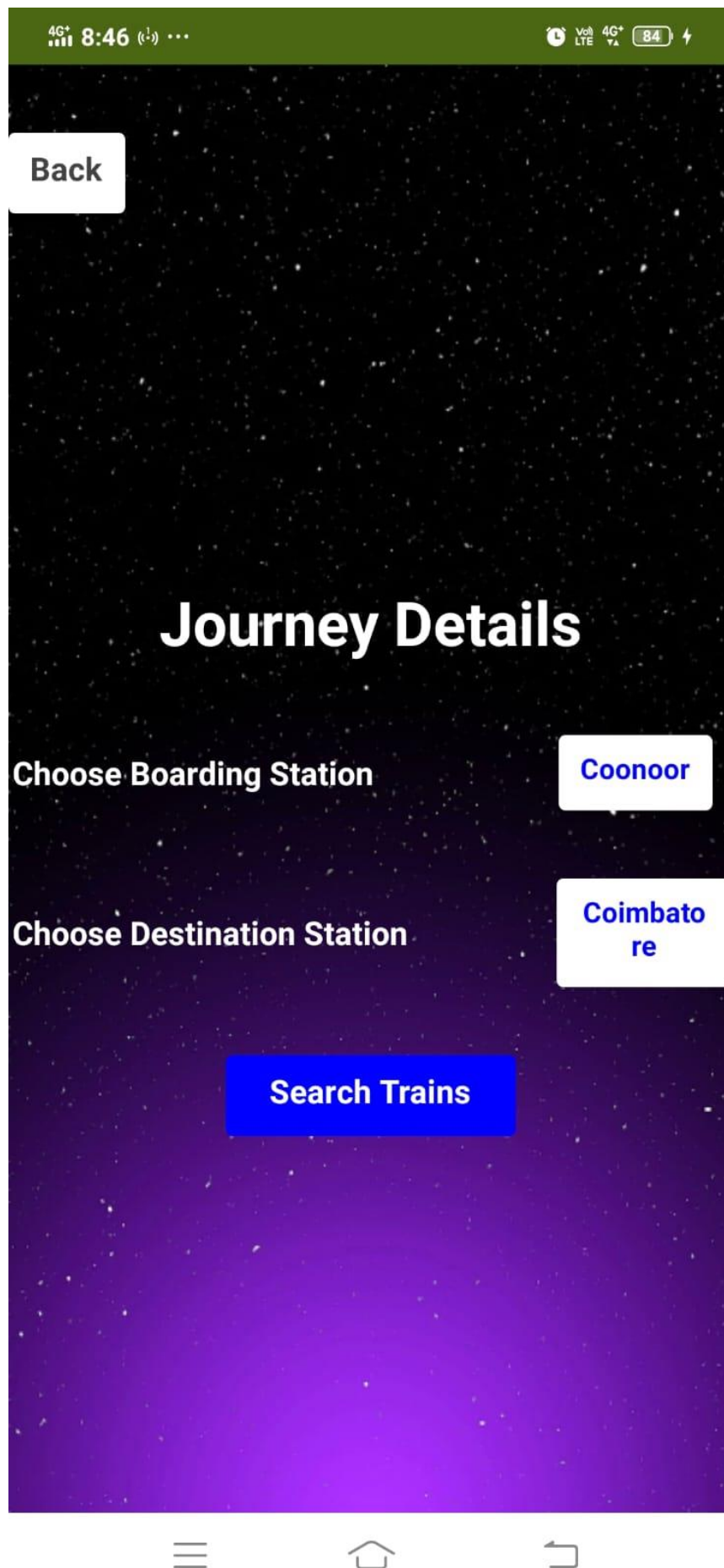
Test Case 2: User Reserves Ticket



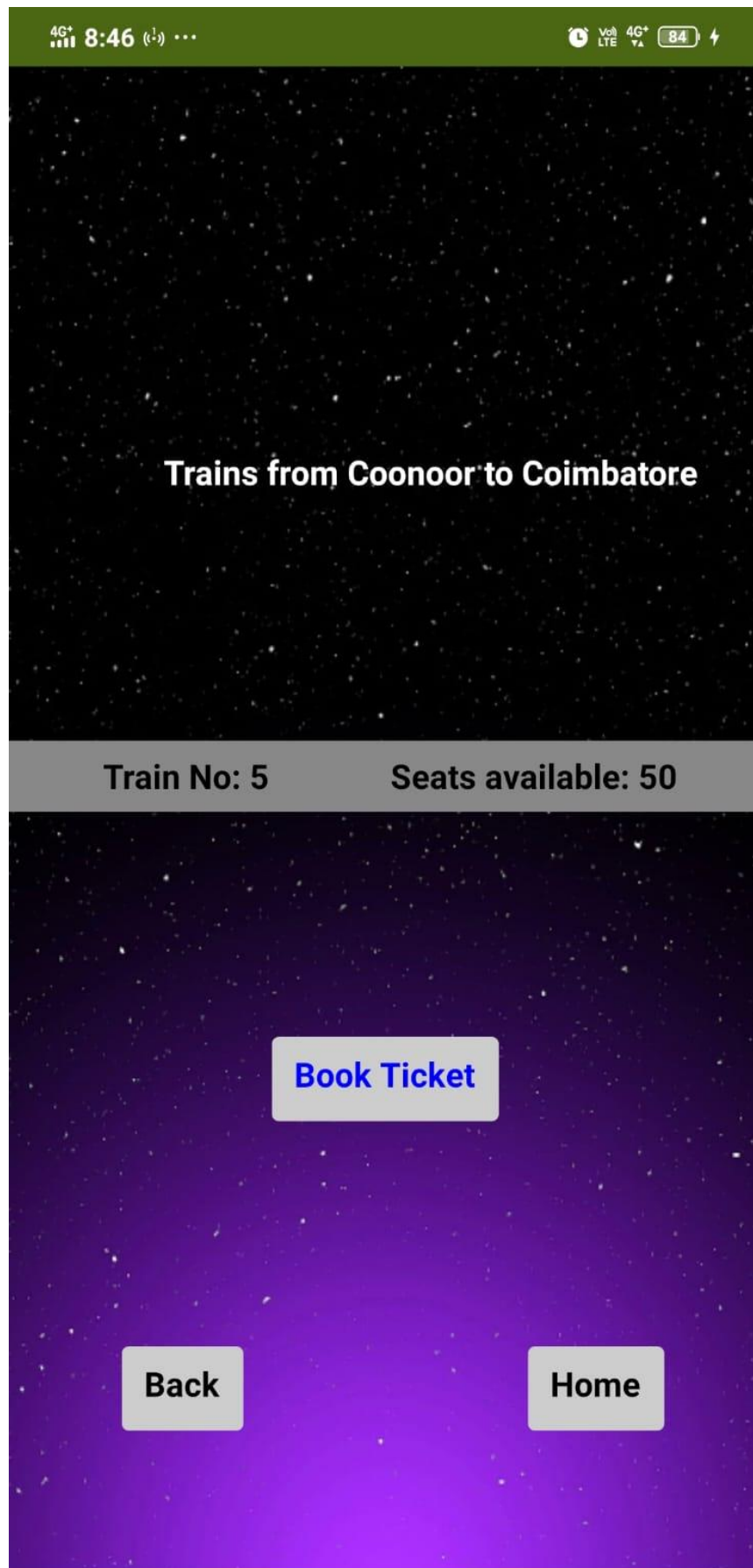
Boarding and Destination Stations are same:



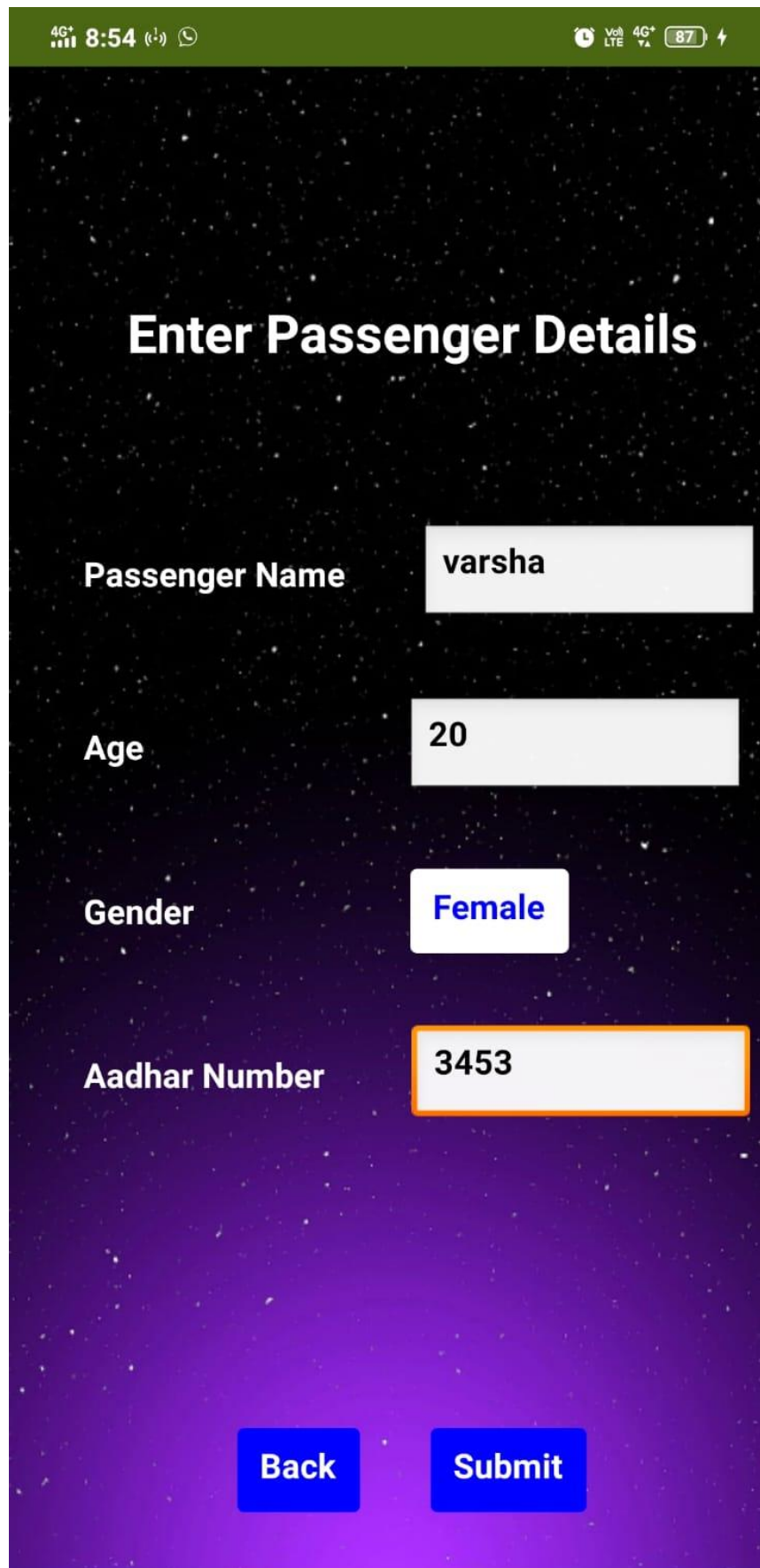
Boarding and Destination Stations are different:



Page Viewed after Clicking Search Trains:



Test Case 3: Booking Ticket by pressing book ticket on the book ticket button:



The screenshot shows a mobile application interface with a dark, starry background. At the top, there is a status bar with the time 8:54, signal strength, and battery level. The main heading is "Enter Passenger Details". Below this, there are four input fields: "Passenger Name" with the value "varsha", "Age" with the value "20", "Gender" with the value "Female", and "Aadhar Number" with the value "3453". The "Aadhar Number" field is highlighted with an orange border. At the bottom, there are two blue buttons: "Back" and "Submit".

Enter Passenger Details

Passenger Name: varsha

Age: 20

Gender: Female

Aadhar Number: 3453

Back Submit

Confirmation Page:

4G+ 8:54 (1) 4G+ 87%

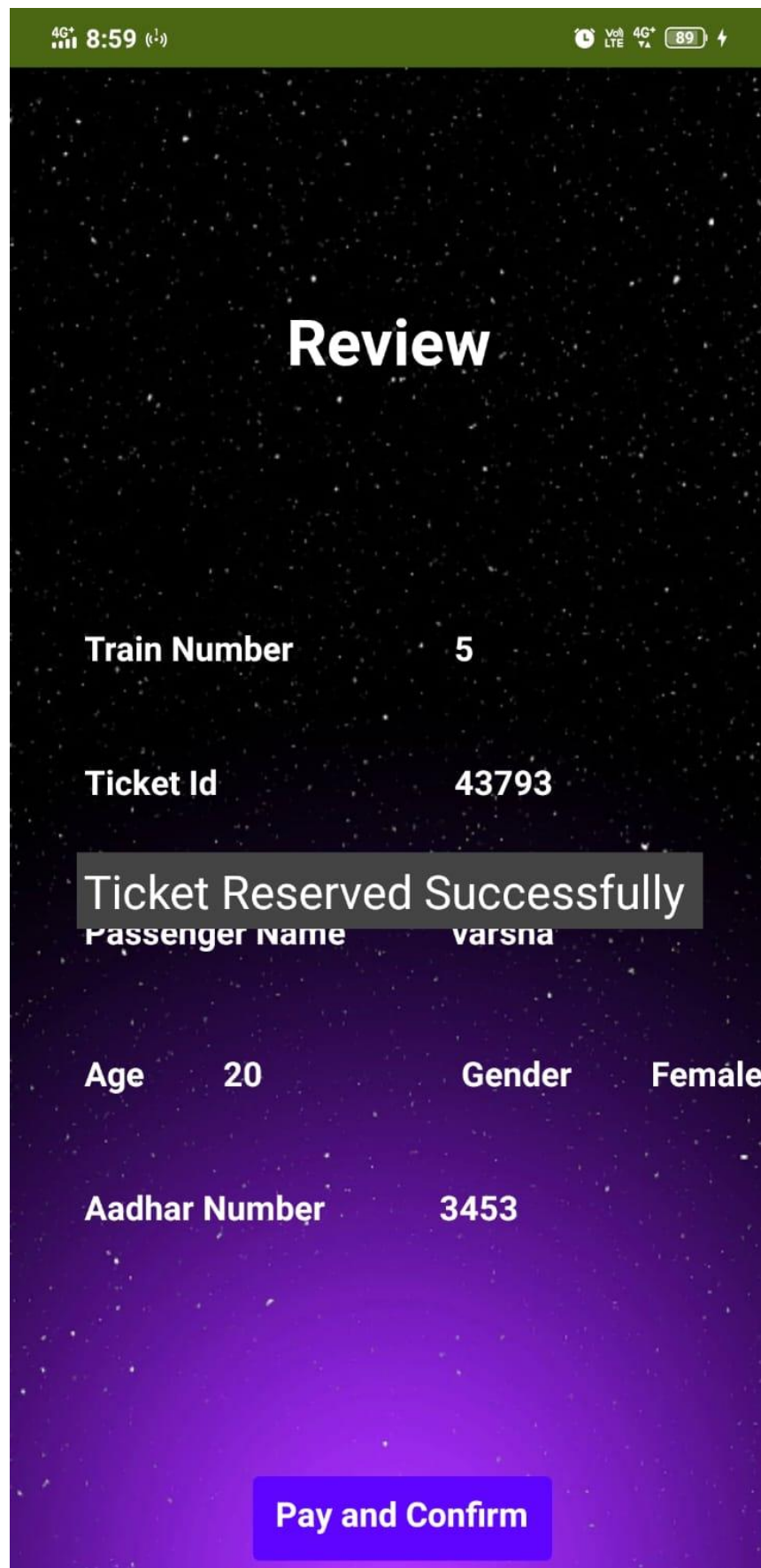
Review

Train Number	5		
Ticket Id	43793		
Passenger Name	varsha		
Age	20	Gender	Female
Aadhar Number	3453		

Pay and Confirm



Notification received on successful reservation:



Database Updated:

Name	Size	# of Docs	Partitioned	Actions
noderedipvcj20221111	56.0 KB	4	No	[edit, lock, delete]
reg	1.2 KB	9	No	[edit, lock, delete]
reservation	487 bytes	6	No	[edit, lock, delete]
t1	195 bytes	2	No	[edit, lock, delete]
t2	98 bytes	1	No	[edit, lock, delete]
t3	97 bytes	1	No	[edit, lock, delete]
t4	96 bytes	1	No	[edit, lock, delete]
t5	98 bytes	1	No	[edit, lock, delete]
t6	0 bytes	0	No	[edit, lock, delete]

Showing 1–9 of 9 databases. Databases per page 20 « 1 »

Node red Output during reservation:

11/18/2022, 8:54:35 AM node: d08d74256211148

msg.payload : string[1]

"5"

11/18/2022, 8:54:37 AM node: 071a536eae980e7c

msg.payload : Object

▼ object

reserve: ["varsha", "20",
"Female", "3453"]

11/18/2022, 8:54:37 AM node: e31a7439a4ae192

msg.payload : Object

▼ object

_id: "43793"
T_no: "5"
E-Mail Id: "vc@gmail.com"
Name: "varsha"
Age: "20"
Gender: "Female"
Aadhar: "3453"