

Project Development

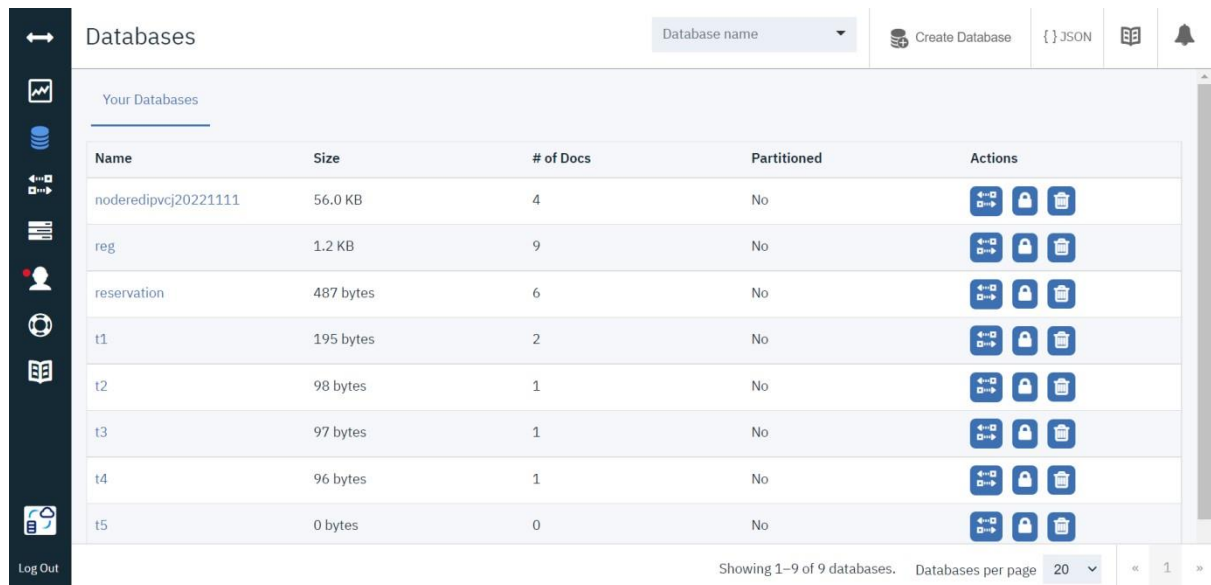
Phase Sprint-2

TEAM ID	PNT2022TMID26706
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:

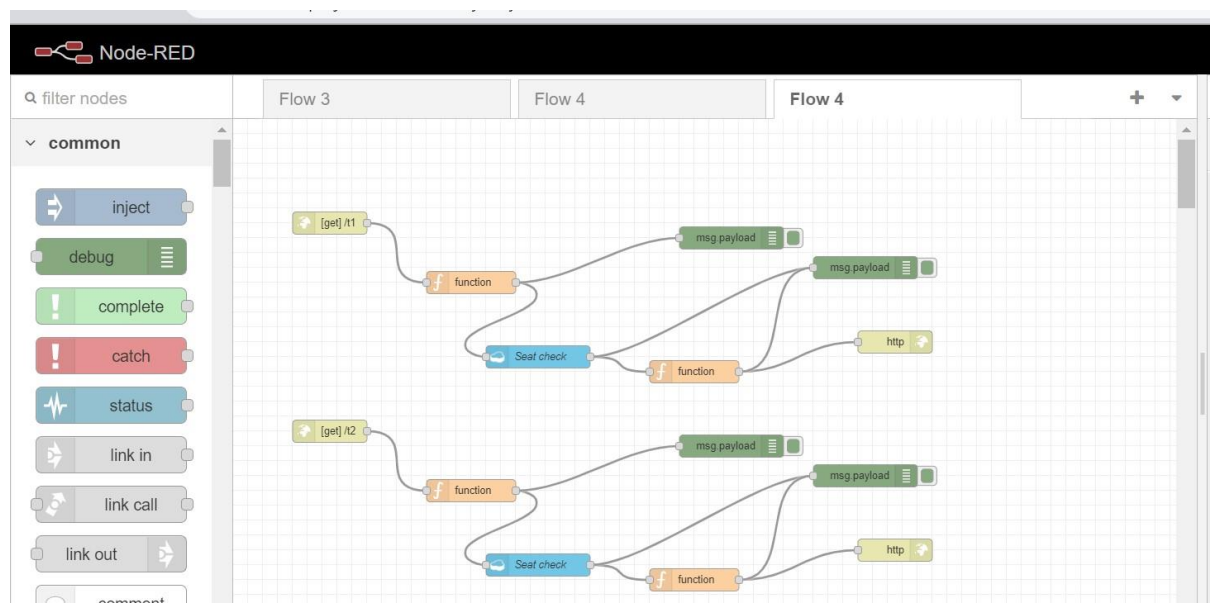
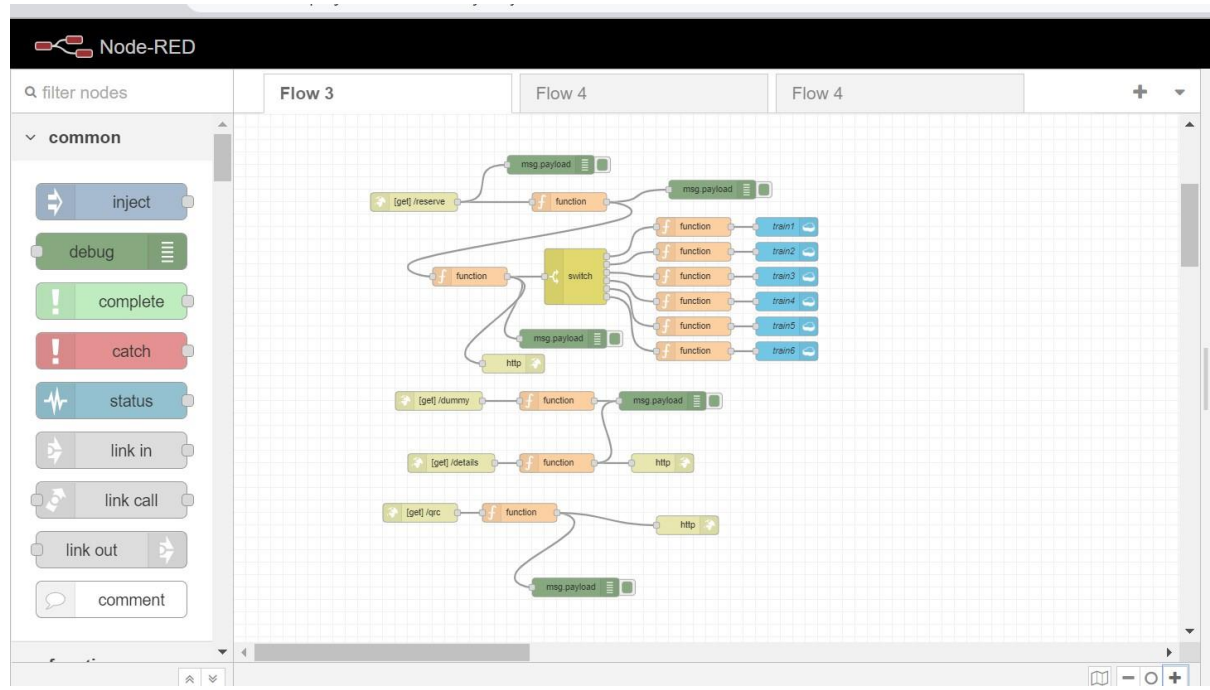


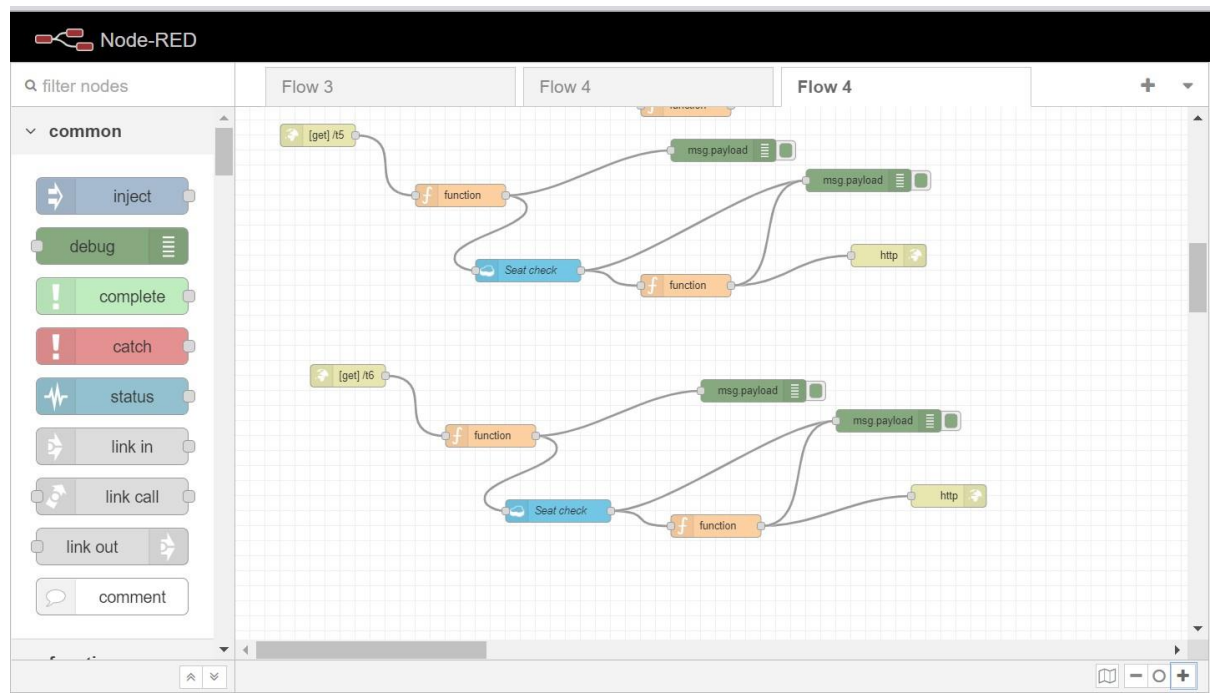
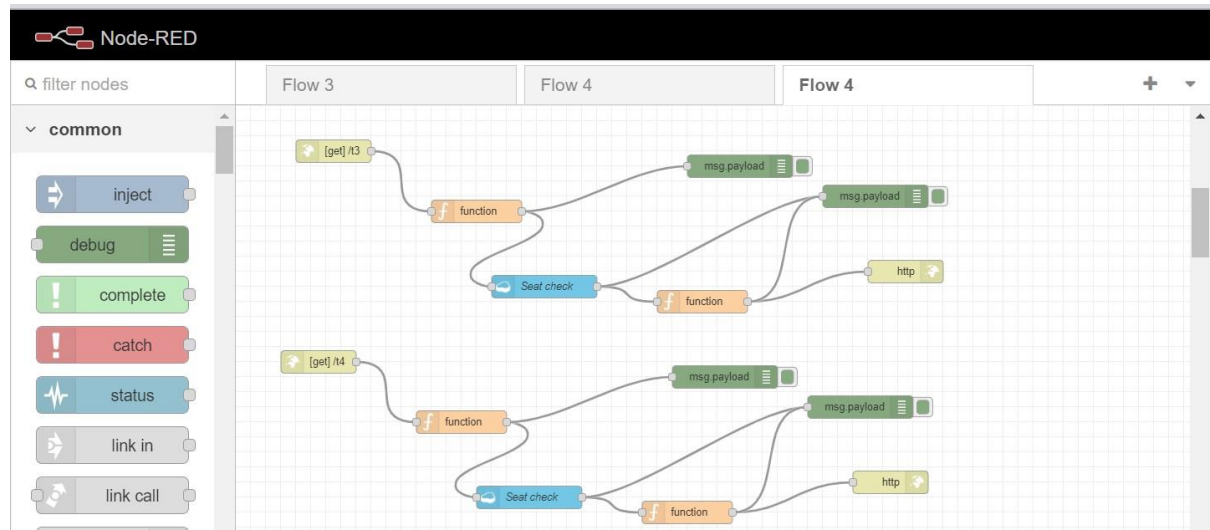
The screenshot shows the MongoDB Databases interface. On the left is a dark sidebar with navigation icons and a 'Log Out' button at the bottom. The main area is titled 'Databases' and contains a table of databases. The table has columns for Name, Size, # of Docs, Partitioned, and Actions. There are 9 databases listed, with the first one being 'noderedipvcj20221111' and the last one being 't5'. The 't1' through 't5' databases are all 0 bytes in size and have 0 documents. The 'Showing 1-9 of 9 databases.' text is visible at the bottom right of the table.

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	  

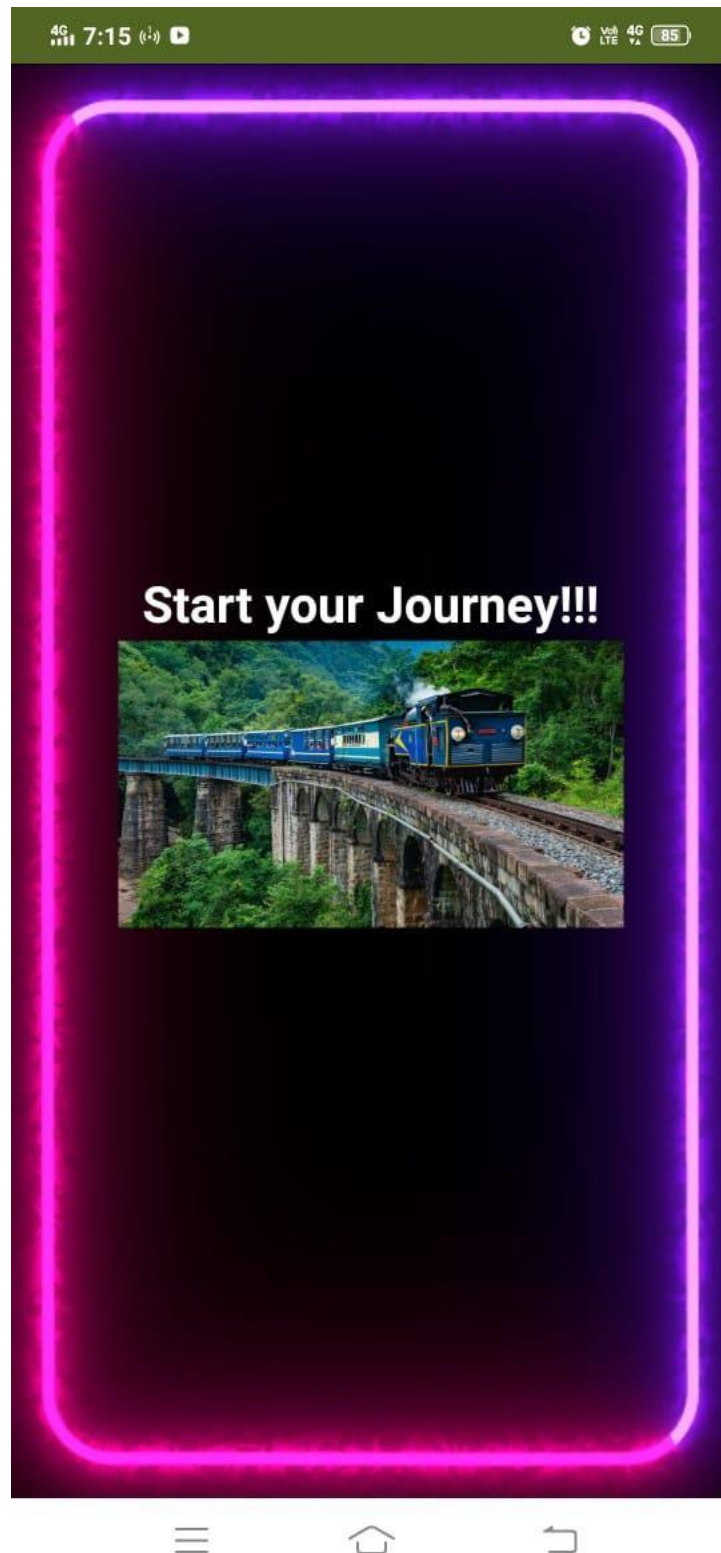
Showing 1-9 of 9 databases. Databases per page 20 1

Nodes in Node red:





Screen 1 of Application:

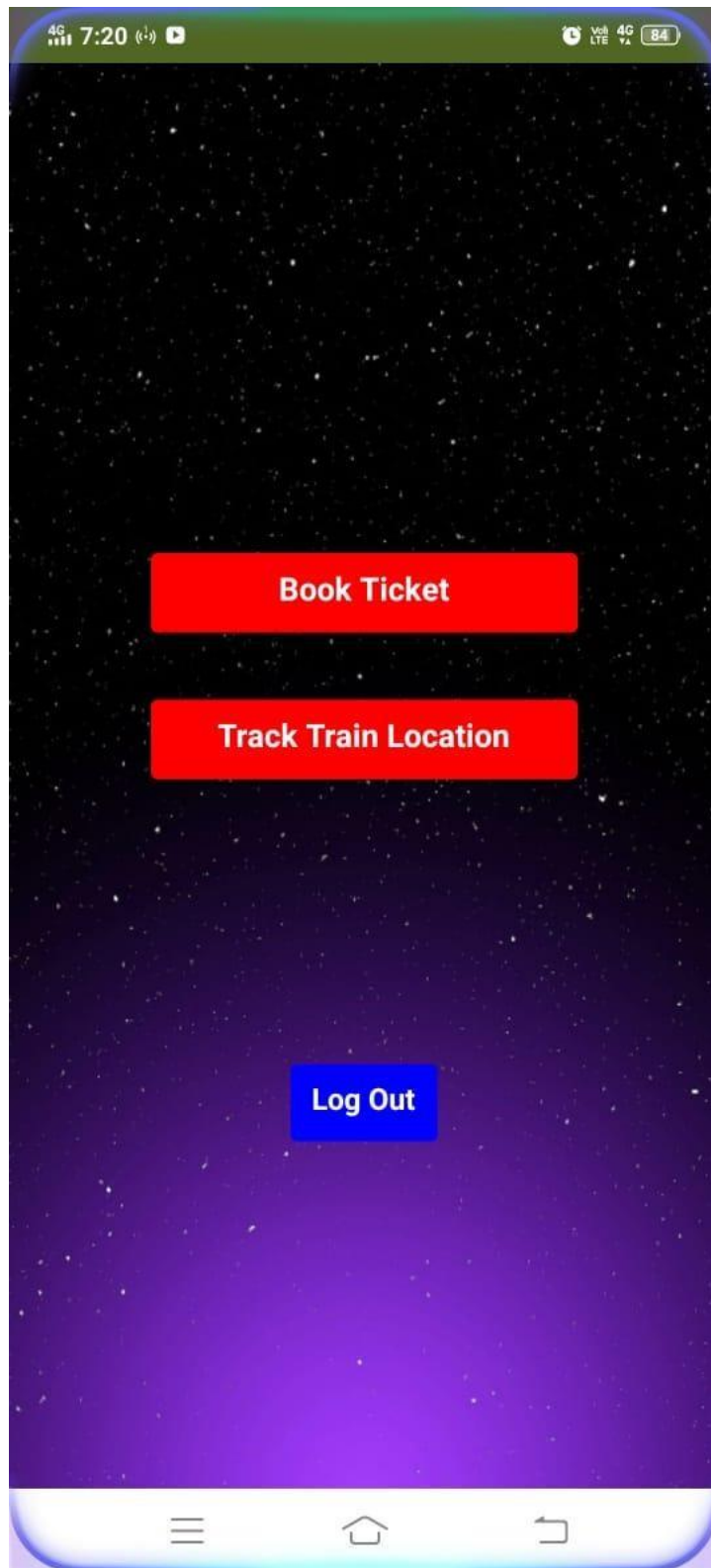


Test Cases

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

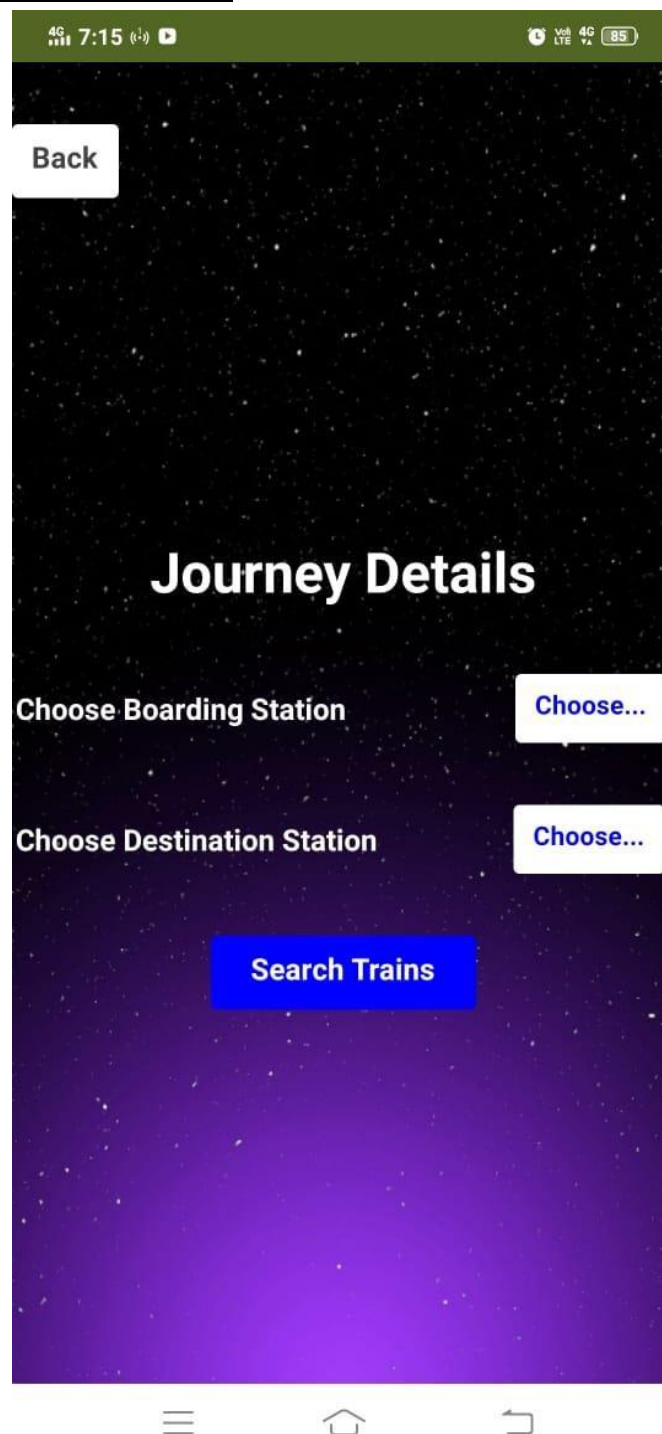
msg.payload : Object

▼object

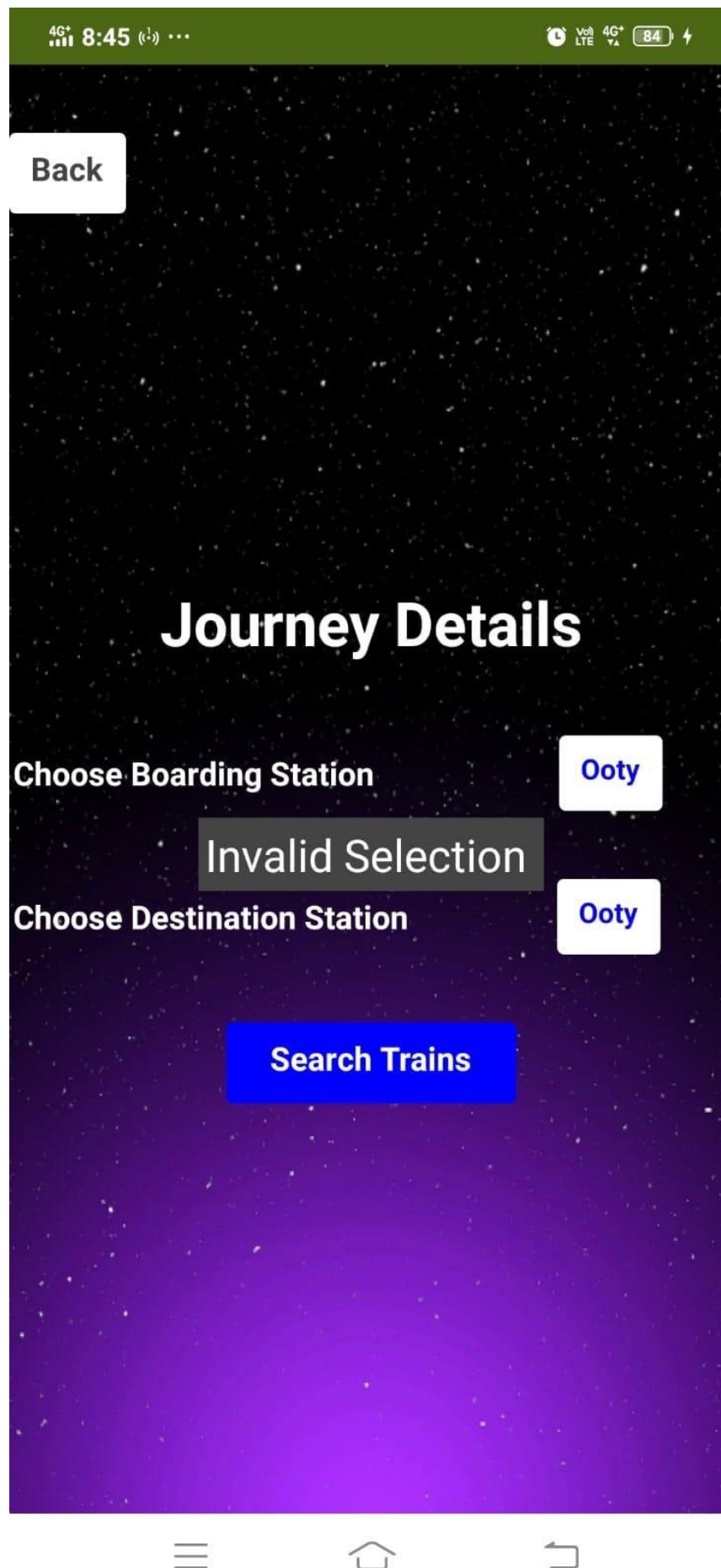
E-Mail Id: "vc@gmail.com"

Password: "123"

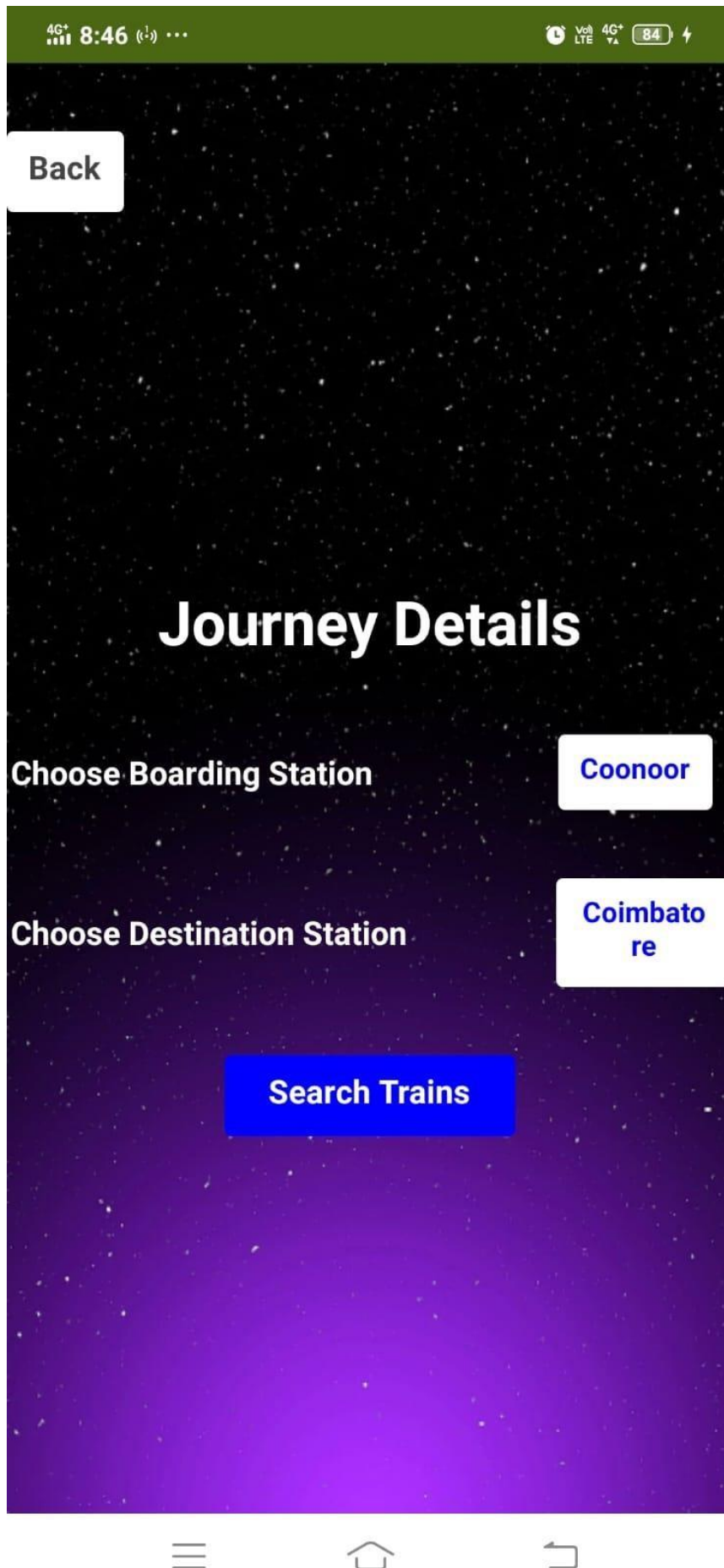
Test Case 2: User Reserves Ticket



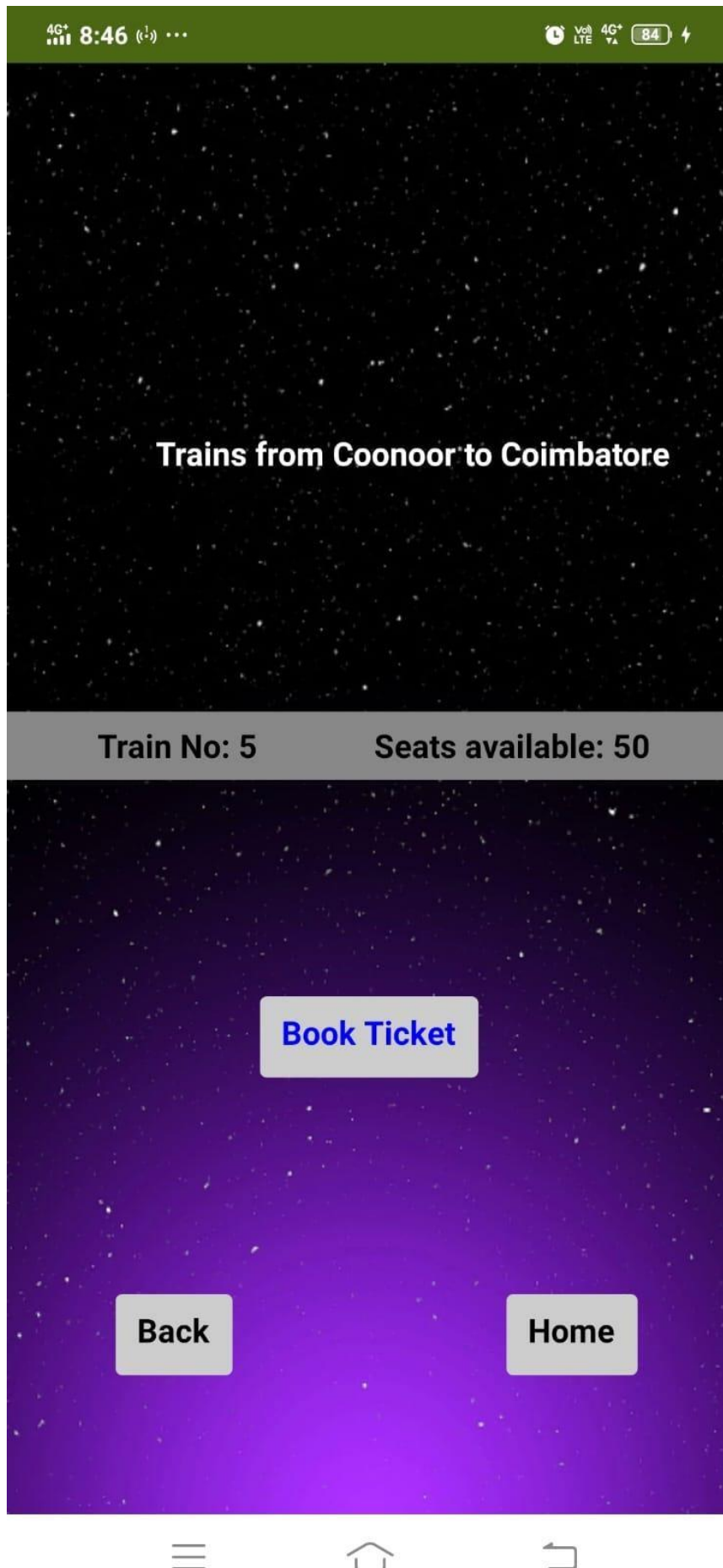
Boarding and Destination Stations are same:



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:

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

Enter Passenger Details

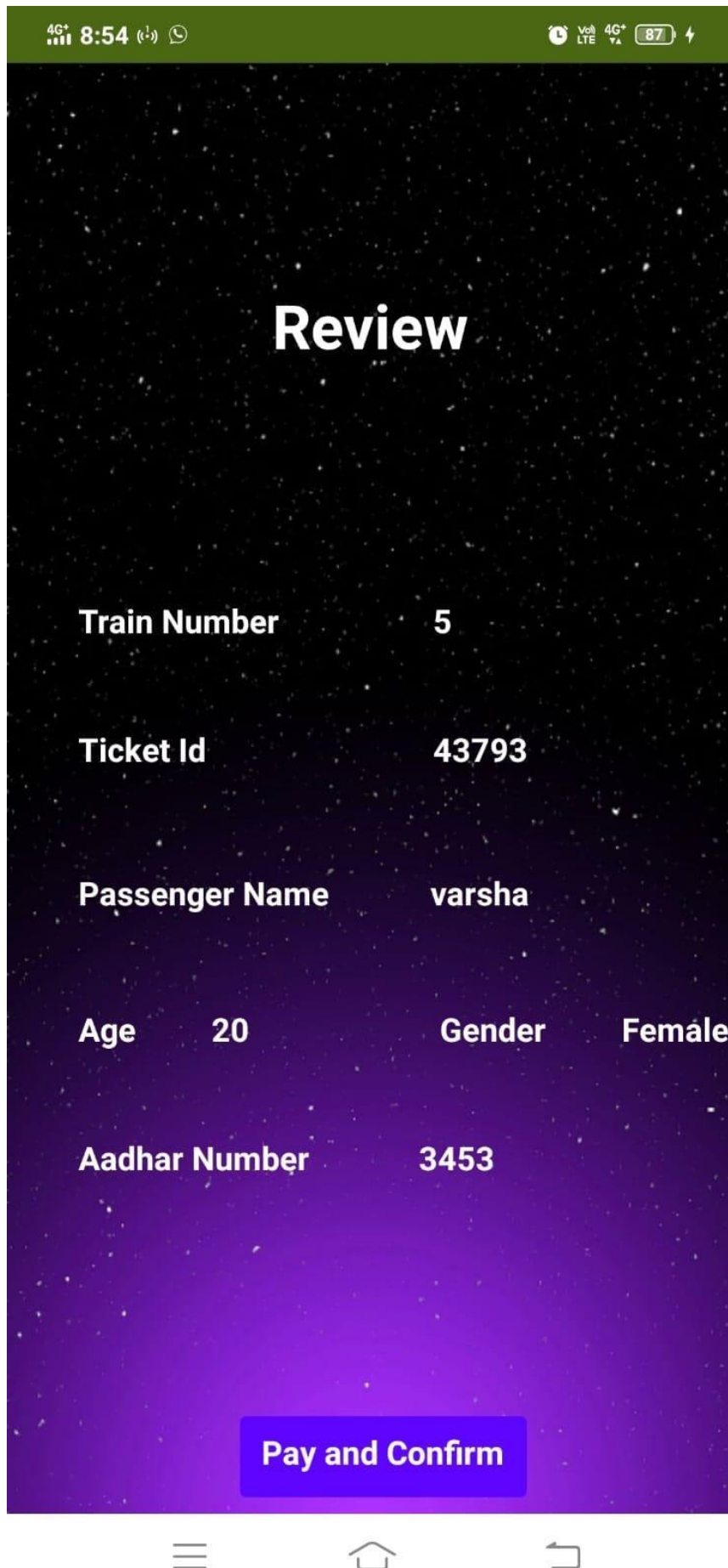
Passenger Name

Age

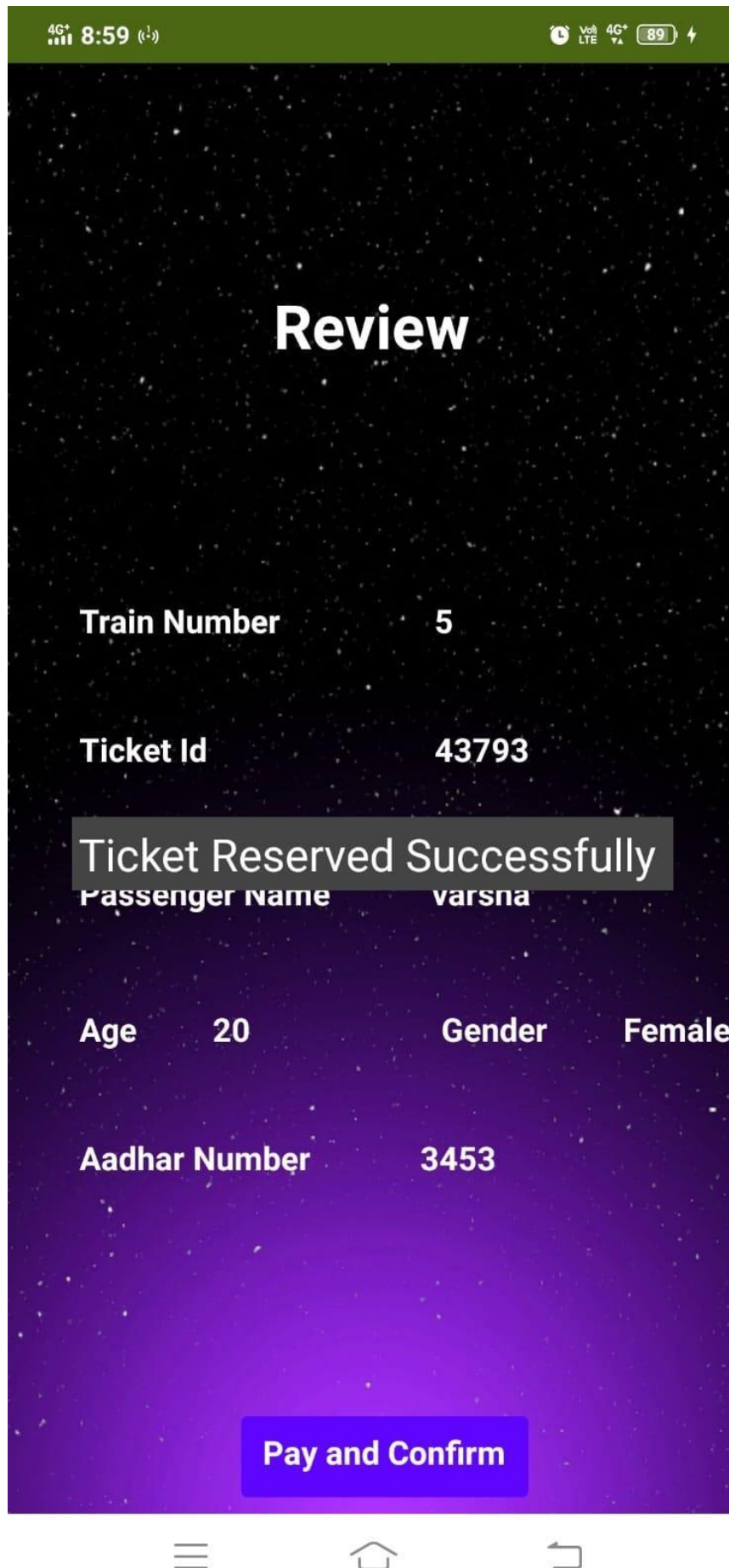
Gender

Aadhar Number

Confirmation Page:



Notification received on successful reservation:



Database Updated:

← ↻ 🏠 https://b192883f-be3f-4cba-901f-c6e2d5b6d646-bluemix.cloudant.com/dashboard.html#/all_dbs 🔍 ⚙️

Databases Database name Create Database {} JSON 📖 🔔

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	98 bytes	1	No	🔍 🔒 🗑️
t6	0 bytes	0	No	🔍 🔒 🗑️

Log Out 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"