

# Project Development Phase

## Sprint-4

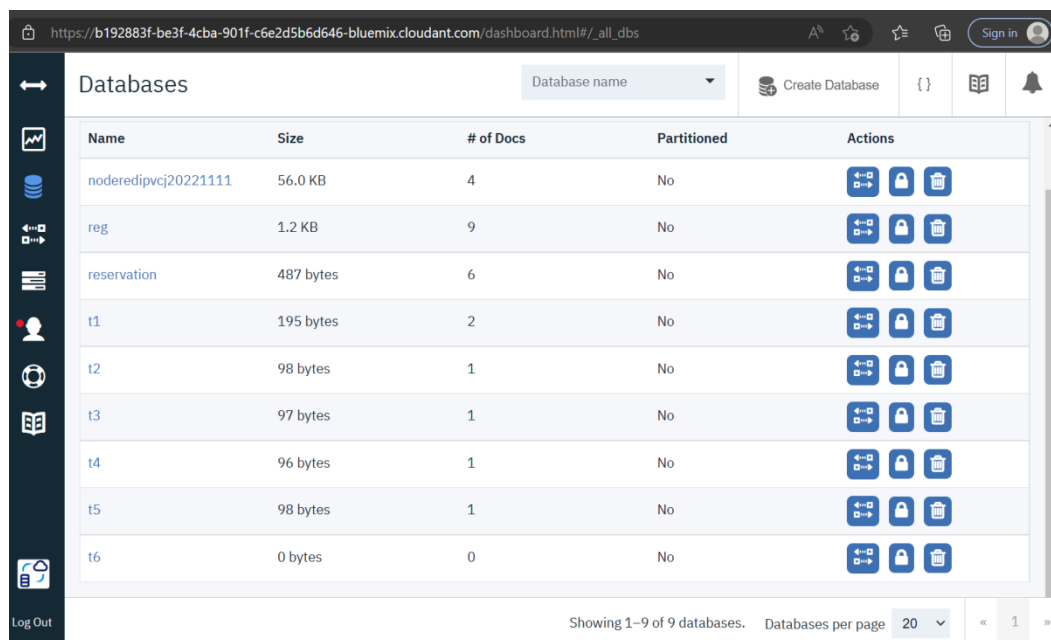
TEAM ID	PNT2022TMID10319
PROJECT NAME	SMART SOLUTIONS FOR RAILWAYS

### Features Added:




























- ❖ The user receives QR code on successful ticket booking.
- ❖ The ticket checker can use the normal camera in the mobile to retrieve the details in the QR and verify the ticket

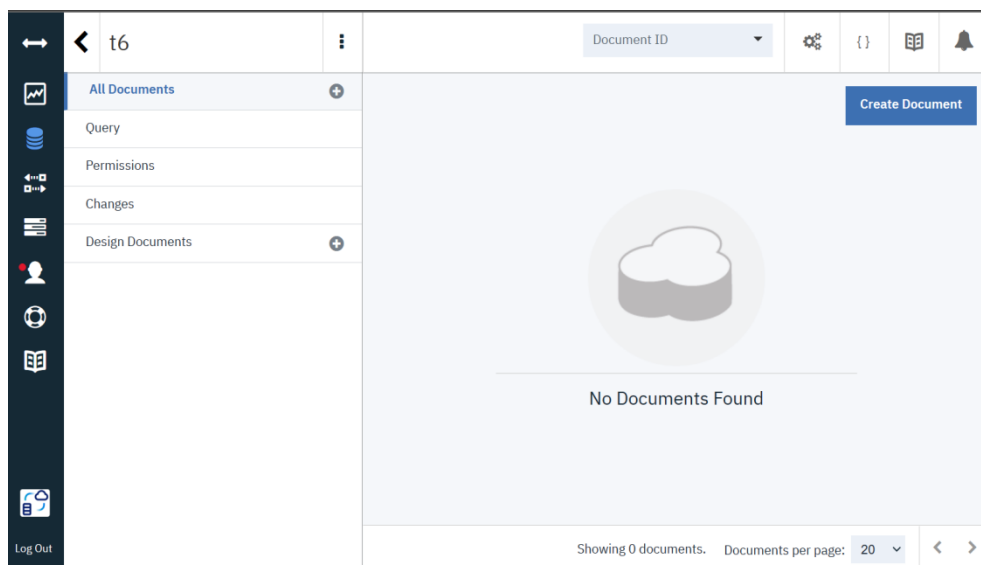
## Test Case

### Database before test:



The screenshot shows the Cloudant Databases dashboard. The URL is https://b192883f-be3f-4cba-901f-c6e2d5b6d646-bluemix.cloudant.com/dashboard.html#/all\_dbs. The dashboard displays a table of databases with columns: Name, Size, # of Docs, Partitioned, and Actions. The databases listed are: noderedipvcj20221111 (56.0 KB, 4 docs), reg (1.2 KB, 9 docs), reservation (487 bytes, 6 docs), t1 (195 bytes, 2 docs), t2 (98 bytes, 1 doc), t3 (97 bytes, 1 doc), t4 (96 bytes, 1 doc), t5 (98 bytes, 1 doc), and t6 (0 bytes, 0 docs). All databases are not partitioned. The bottom of the dashboard shows 'Showing 1-9 of 9 databases' and 'Databases per page: 20'.

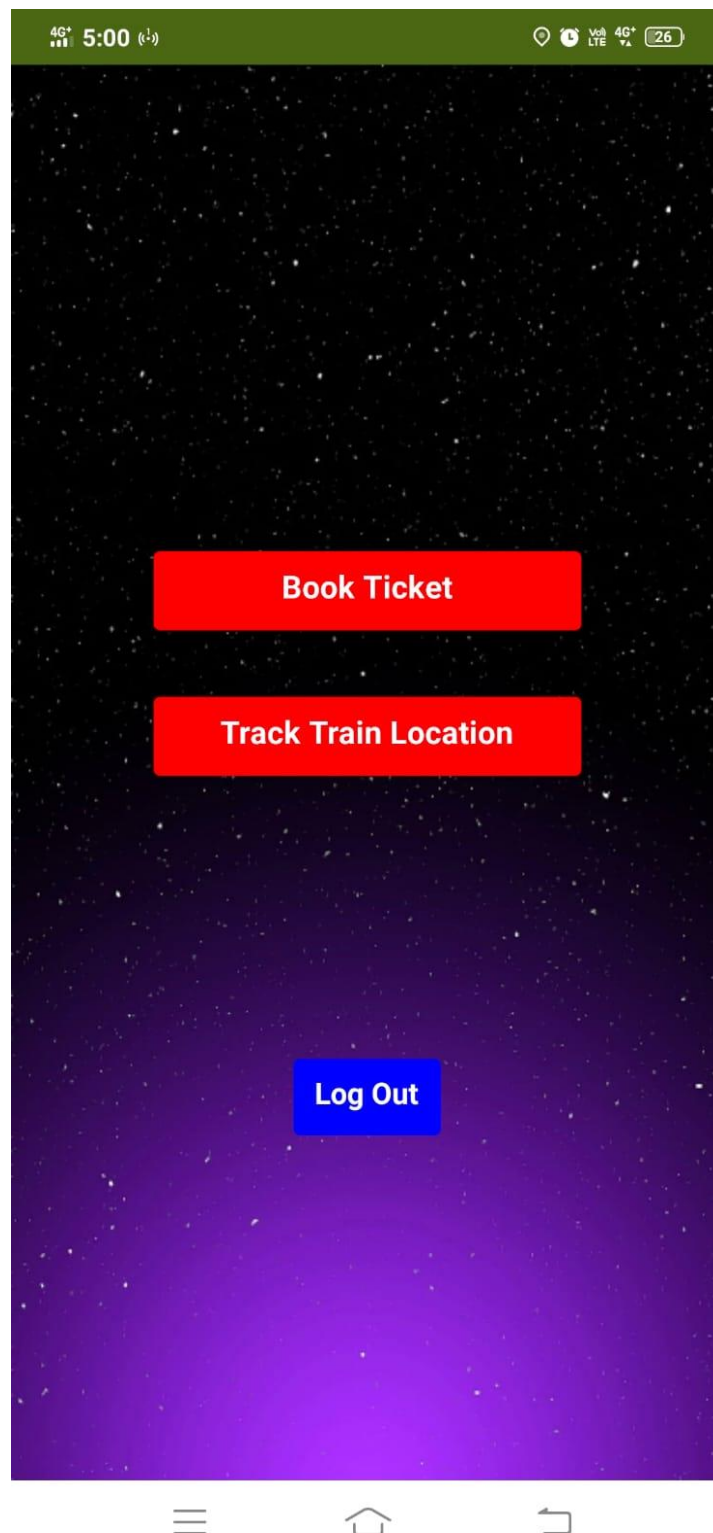
Name	Size	# of Docs	Partitioned	Actions
noderedipvcj20221111	56.0 KB	4	No	  
reg	1.2 KB	9	No	  
reservation	487 bytes	6	No	  
t1	195 bytes	2	No	  
t2	98 bytes	1	No	  
t3	97 bytes	1	No	  
t4	96 bytes	1	No	  
t5	98 bytes	1	No	  
t6	0 bytes	0	No	  



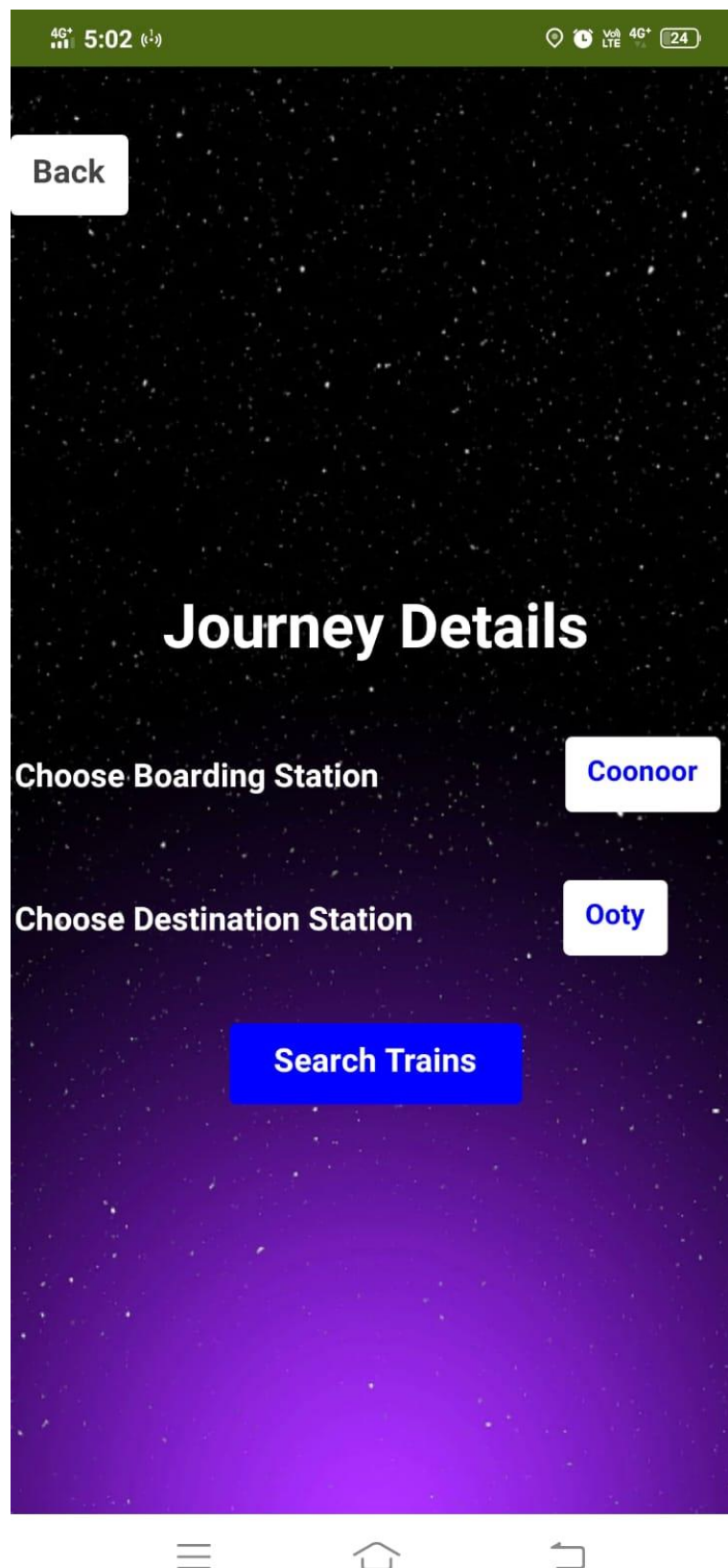
The screenshot shows the Cloudant Document view for database 't6'. The URL is https://b192883f-be3f-4cba-901f-c6e2d5b6d646-bluemix.cloudant.com/dashboard.html#/all\_dbs. The view displays a list of documents with columns: Document ID, Query, Permissions, Changes, and Design Documents. The 'All Documents' tab is selected. The main area shows a large cloud icon and the text 'No Documents Found'. The bottom of the view shows 'Showing 0 documents' and 'Documents per page: 20'.

Document ID	Query	Permissions	Changes	Design Documents
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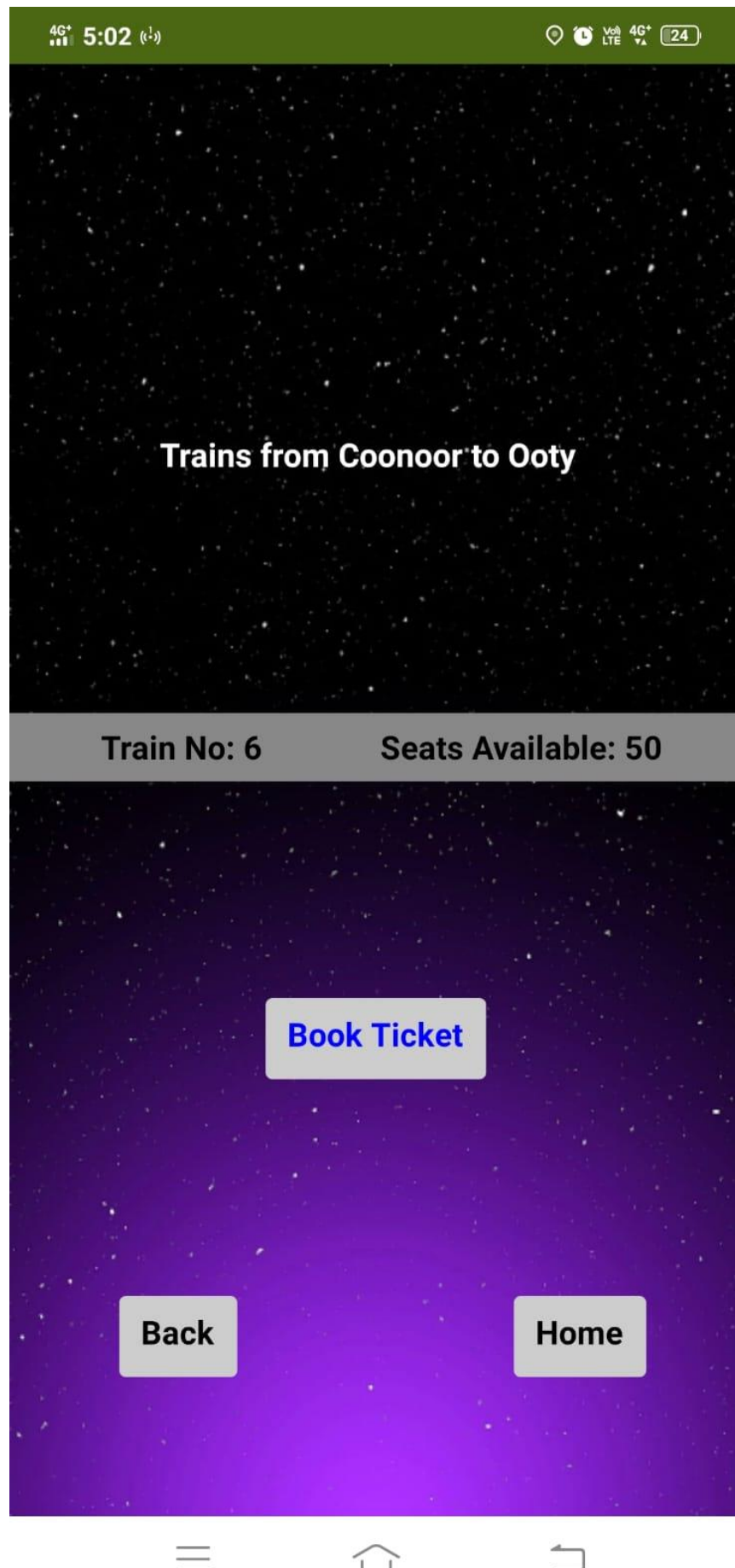
User screen after signing in using valid credentials:



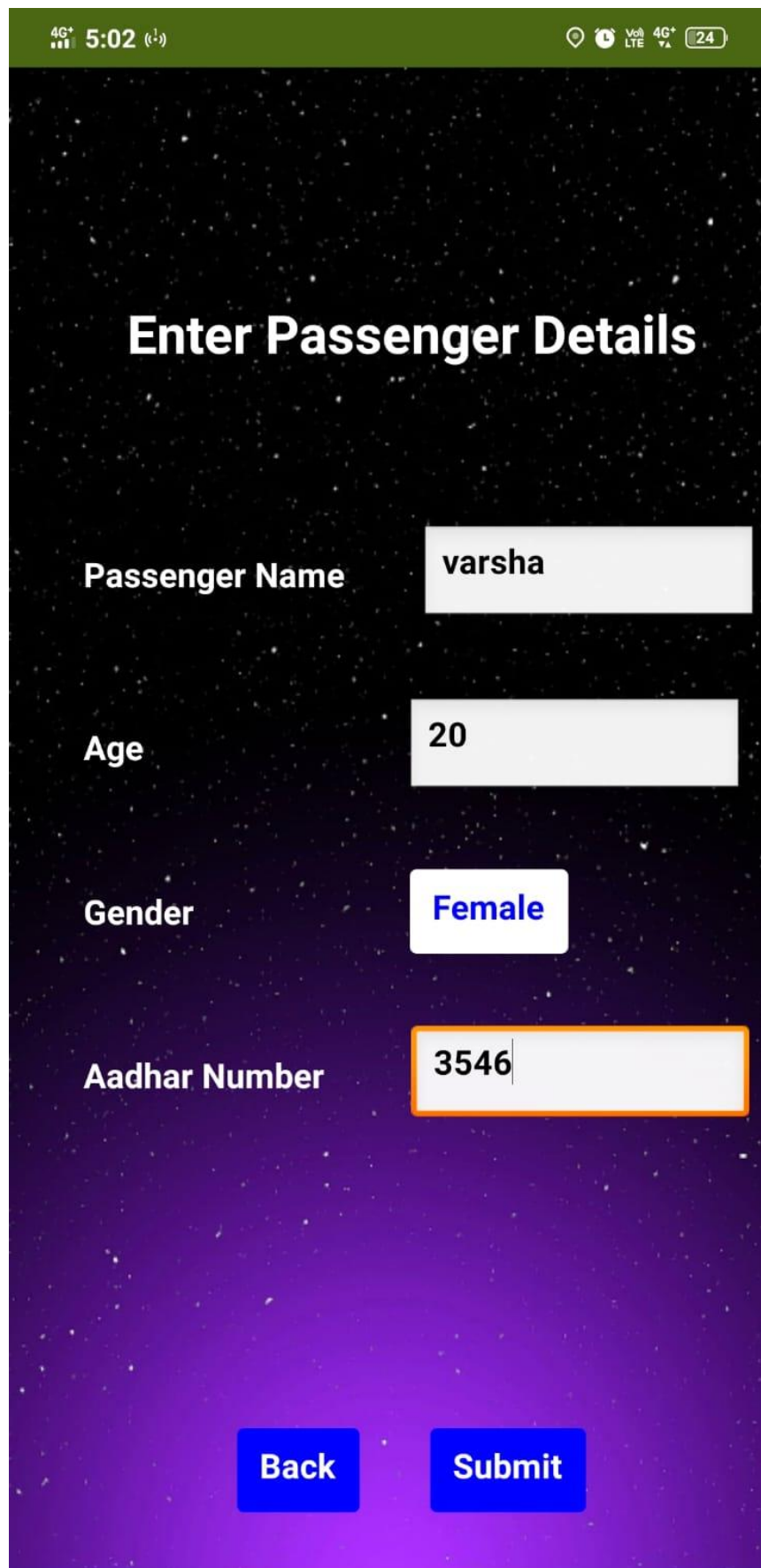
Screen visible once user has clicked book ticket:



User can view number of available seats:



User enter their details:



The screenshot shows a mobile application interface with a dark, starry background. At the top, there is a status bar with the time 5:02 and various icons. 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 "3546". The "Aadhar Number" field is highlighted with an orange border. At the bottom, there are two blue buttons labeled "Back" and "Submit".

**Enter Passenger Details**

Passenger Name: varsha

Age: 20

Gender: Female

Aadhar Number: 3546

Back Submit

User can review and confirm the details:



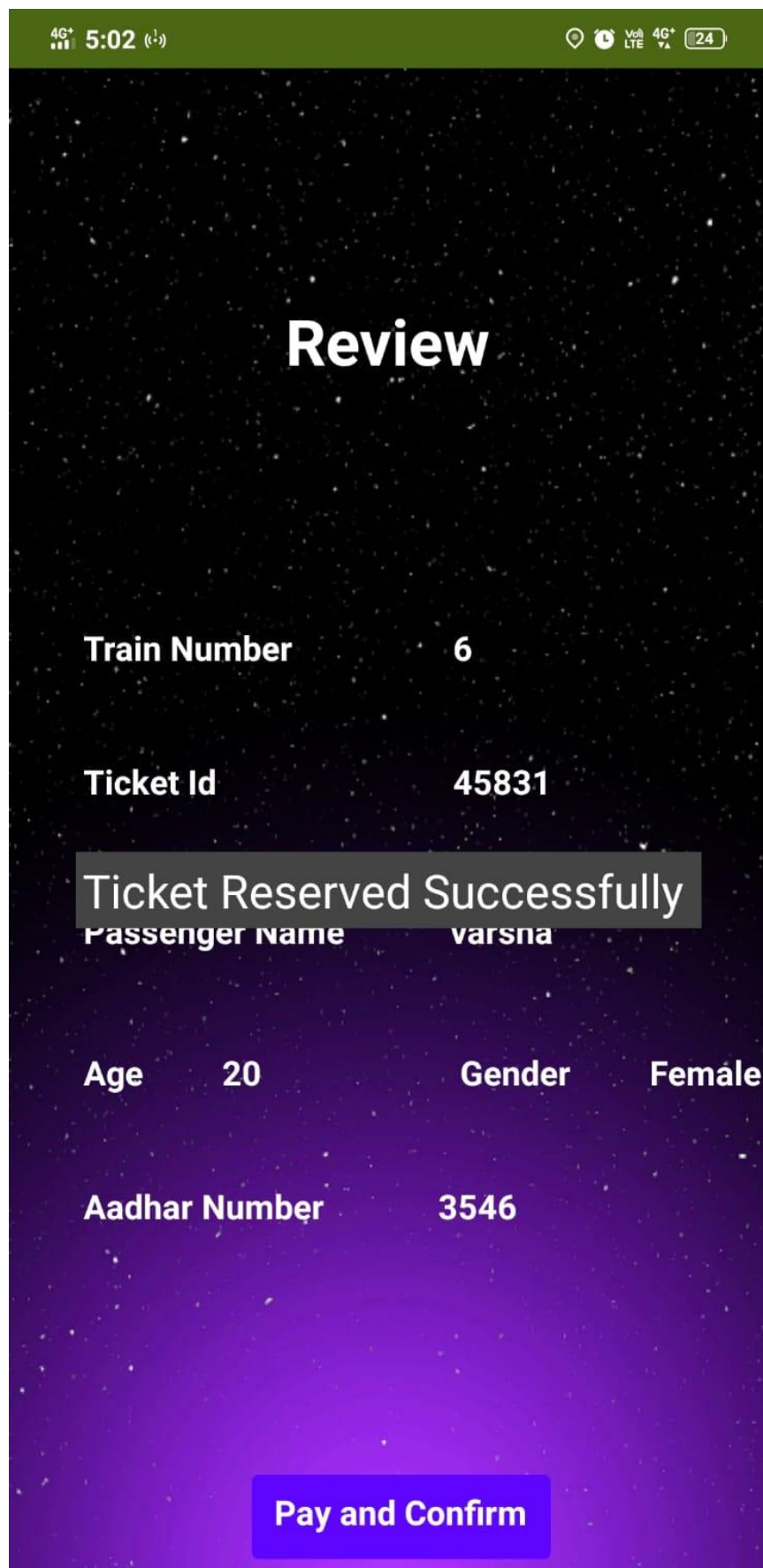
The screenshot shows a mobile application interface for reviewing travel details. The background is a dark space with white stars. The title 'Review' is centered in a large white font. Below it, the details are organized into two columns. The first column contains labels: 'Train Number', 'Ticket Id', 'Passenger Name', 'Age', and 'Aadhar Number'. The second column contains the corresponding values: '6', '45831', 'varsha', '20', and '3546'. The 'Gender' label is positioned between the 'Age' and 'Aadhar Number' labels, with the value 'Female' to its right. At the bottom center, there is a blue button with the text 'Pay and Confirm' in white. The top status bar is green and shows '4G+', '5:02', and battery level '24'. The bottom navigation bar is white and contains three icons: a hamburger menu, a home icon, and a back arrow.

Train Number	6		
Ticket Id	45831		
Passenger Name	varsha		
Age	20	Gender	Female
Aadhar Number	3546		

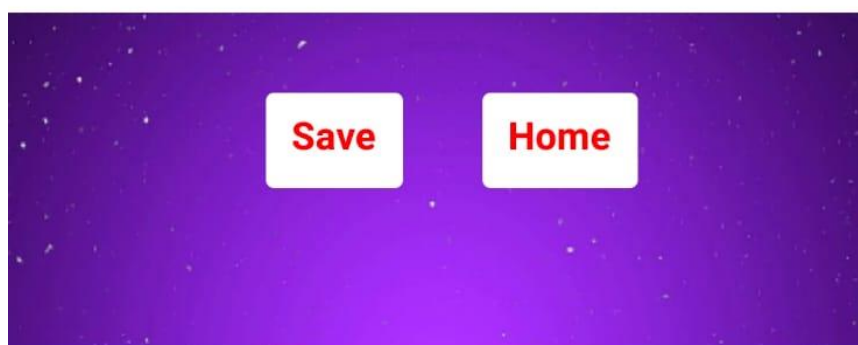
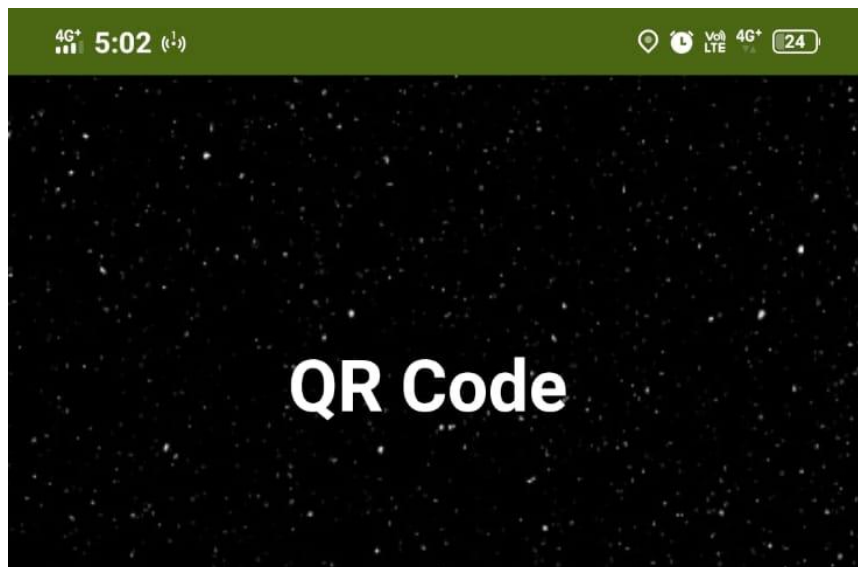
[Pay and Confirm](#)



Notification received on reviewing and confirming the details:

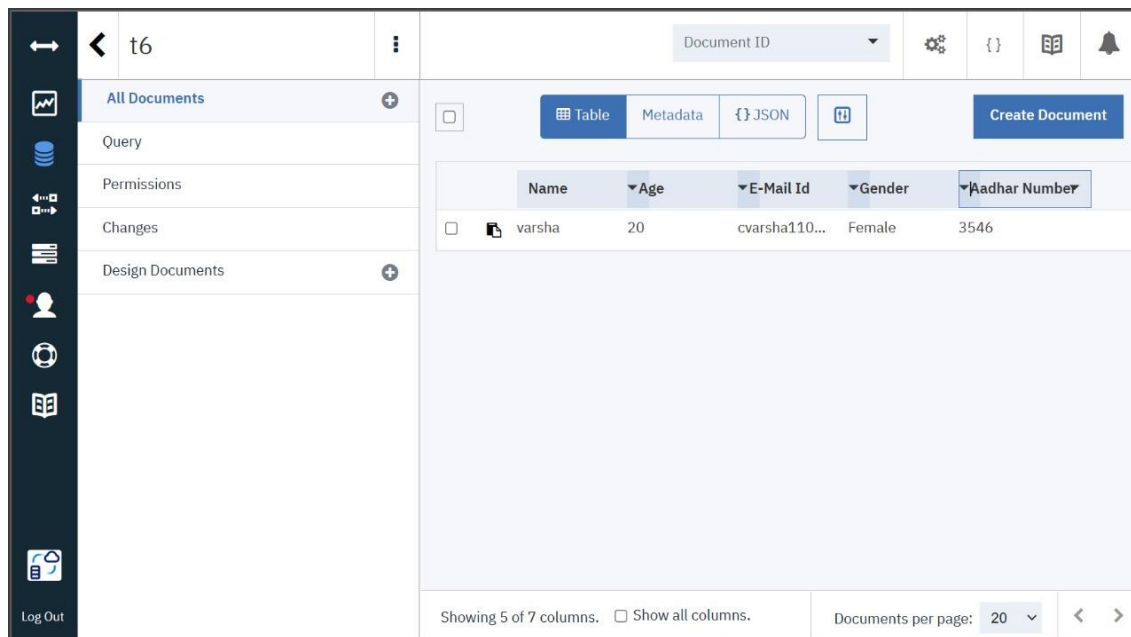


QR code is generated:





**A new document is inserted into the t6 database:**



The screenshot shows a database management interface. On the left is a sidebar with navigation icons and a 'Log Out' button. The main area is titled 't6' and contains a 'Document ID' dropdown, a 'Table' button, a 'Metadata' button, a 'JSON' button, and a 'Create Document' button. Below these is a table with the following data:

	Name	Age	E-Mail Id	Gender	Aadhar Number
<input type="checkbox"/>	varsha	20	cvarsha110...	Female	3546

At the bottom, there is a status bar showing 'Showing 5 of 7 columns.' with a 'Show all columns.' checkbox, and 'Documents per page: 20' with a dropdown arrow.

**Ticket Collector scans the QR Code and details of user are displayed:**

