

Project Development Phase Sprint - 4

Team ID	PNT2022TMID49855
Project Name	Smart Solutions for Railways

Procedure :

1. The user receives QR code on successful ticket booked. An option to scan the QR code has been provided.
2. 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 :

The screenshot displays a database management interface for a database named 'mydb'. The left sidebar contains navigation options: All Documents, Query, Permissions, Changes, and Design Documents. The main area shows a table with columns: _id, payload, and socketid. The table contains five rows of document data. The third row is highlighted. At the bottom, there are pagination controls showing 'Showing 3 of 4 columns' and 'Showing document 1 - 5'.

_id	payload	socketid
29430782b84199677157f557a98bf881	{"_id": "2022-11-17,09:30:25", "Name": "Ba..."}	S98bJcfqPMAZu3CDAAAH
2beb665a8d7a79083f069d65be84fb53	{"_id": "2022-11-17,05:36:19", "Name": "Da..."}	KAm7Oe5eGmV-Wcf0AAA3
3e2e7549ade433e80235c9e7950ca6e0	{"_id": "2022-11-18,12:07:26", "Name": "Su..."}	4rjS7VV-0637Ik7VAAAB
cfa6bae1852e61c749188ab73d2e381a	{"_id": "2022-11-18,10:00:59", "Name": "Gn..."}	Aym0glWch76YCq3ZAAAN
fe98ee3e7553c8cb5060a217de0cbe66	{"_id": "2022-11-17,06:02:26", "Name": "Dc..."}	2SDIXMqKdyxmF4SEAAAF

↔

← mydb

⋮

Document ID

Options

{ } JSON

📄

🔔

All Documents

+

Query

Permissions

Changes

Design Documents

+

Log Out

☐

Table

Metadata

{ } JSON

📄

Create Document

	id	key	value
<input type="checkbox"/>	29430782b84199677157f557a98bf881	29430782b84199677157f557a98bf881	{ "rev": "1-d650cc9205737d126ca68de3c8...
<input type="checkbox"/>	2bebd65a8d7a79083f069d65ba84fb53	2bebd65a8d7a79083f069d65ba84fb53	{ "rev": "2-5db604cb4c298251e9f636228cb...
<input type="checkbox"/>	cfa9bae1852a61c749188ab73d2e381a	cfa9bae1852a61c749188ab73d2e381a	{ "rev": "1-ab9cb296f9687449bf2f2e7ac68b...
<input type="checkbox"/>	fa98ea3e7553c8cb5060a217de0cbe66	fa98ea3e7553c8cb5060a217de0cbe66	{ "rev": "1-9ed623956116382b4ab7b46db...

Showing document 1 - 4. Documents per page: 20

User entering details and booking ticket:

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TRAIN TICKET RESERVATION

Ticket Booking

Boarding Station

Vijayawada

Destination

Bangalore

Seat

3

Personal Details

Name *

Suriya

Age *

20

Mobile no *

8453267453

SUBMIT

CANCEL

Ticket Reviewing and the details displayed in QR code:

≡

TRAIN TICKET RESERVATION

Ticket Booking

Boarding Station

Vijayawada

Destination

Bangalore

Seat

3

Personal Details

Name *

Suriya

Age *

20

Mobile no *

8453267453

SUBMIT

CANCEL

Ticket is Reserved

OK



Database updated after ticket reservation:

↔

mydb

⋮

All Documents

Query

Permissions

Changes

Design Documents

Log Out

Document ID

Options

{ } JSON

🔔

Table

Metadata

{ } JSON

Create Document

	_id	payload	socketid
<input type="checkbox"/>	29430782b84199677157f5b7a98b881	{ "_id": "2022-11-17,09:30:25", "Name": "Ba...	S98bJcfqPMAZuJCDAAAH
<input type="checkbox"/>	2bebd65a8d7a79083f069d65ba84fb53	{ "_id": "2022-11-17,05:36:19", "Name": "Da...	KAm70s5eGmV-Wcf0AAA3
<input type="checkbox"/>	3e2a7549ade433e80235c9a7950ca6e0	{ "_id": "2022-11-18,12:07:26", "Name": "Su...	4rjS7VV-0637Ik7VAAAB
<input type="checkbox"/>	cfaabae1852a61c749188ab73d2e381a	{ "_id": "2022-11-18,10:00:59", "Name": "Gn...	Aym0gfWch76YCqJZAAAN
<input type="checkbox"/>	fe98ea3e7553c8cb5060a217de0cbe66	{ "_id": "2022-11-17,06:02:26", "Name": "Dc...	2SDIXMqKdyxnF4SEAAAF

Showing 3 of 4 columns. ☐ Show all columns.

Showing document 1 - 5. Documents per page: 20

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mydb > 2bebd65a8d7a79083f069d65ba84fb53

{ } JSON

🔔

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

```
1 |
2 | {
3 |   "_id": "2bebd65a8d7a79083f069d65ba84fb53",
4 |   "_rev": "2-5db604cb4c298251e9f636228cb8d653",
5 |   "payload": {
6 |     "_id": "2022-11-17,05:36:19",
7 |     "Name": "Daisy",
8 |     "Age": 3,
9 |     "Mobile": 433556546,
10 |    "Boarding": "Chennai",
11 |    "Destination": "Bangalore",
12 |    "Seat": "4"
13 |   },
14 |   "socketid": "KAm70s5eGmV-Wcf0AAA3"
15 | }
```

Log Out

Node red Outputs:

```
msg.payload : Object
  ▼ object
    _id: "2022-11-18,12:07:26"
    Name: "Suriya"
    Age: "20"
    Mobile: "8453267453"
    Boarding: "Vijayawada"
    Destination: "Bangalore"
    Seat: "3"
```