

RESULTS

Team ID: PNT2022TMID16036

QR CODE SCANNER

- SCAN QR CODE AND VIEW DETAILS OF THE PASSENGER

```
{ 'id': '2022-11-16,00:23:01', 'rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale  
m', 'destination': 'Coimbatore', 'Seat': 3}  
{ 'id': '2022-11-16,00:23:01', 'rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale  
m', 'destination': 'Coimbatore', 'Seat': 3}  
{ 'id': '2022-11-16,00:23:01', 'rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale  
m', 'destination': 'Coimbatore', 'Seat': 3}
```



VIEW LOCATION OF TRAINS

- GET THE COORDINATES OF THE TRAIN
- VIEW TRAIN LOCATION IN MOBILE APPLICATION

DATABASE

← booking

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options

JSON

Create Document

	Id	key	value
<input type="checkbox"/>	2022-11-15,11:34:09	2022-11-15,11:34:09	{ "rev": "1-02f98c9d7998da6b1da98...
<input type="checkbox"/>	2022-11-15,11:34:31	2022-11-15,11:34:31	{ "rev": "1-41707cb9fb37a2e5b2f41...
<input type="checkbox"/>	2022-11-15,11:34:58	2022-11-15,11:34:58	{ "rev": "1-e5d57bb29a73be38c19b...
<input type="checkbox"/>	2022-11-15,11:40:01	2022-11-15,11:40:01	{ "rev": "1-12f6d8bde0077b998f1e...
<input type="checkbox"/>	2022-11-15,11:40:11	2022-11-15,11:40:11	{ "rev": "1-56240b201332c3b6307af...
<input type="checkbox"/>	2022-11-15,11:59:59	2022-11-15,11:59:59	{ "rev": "1-2bab47ea4bc017de2325f...
<input type="checkbox"/>	2022-11-15,12:01:20	2022-11-15,12:01:20	{ "rev": "1-2c11e06ac4f07f9e3f760a...
<input type="checkbox"/>	2022-11-15,12:01:53	2022-11-15,12:01:53	{ "rev": "1-63763c34982618bec274...
<input type="checkbox"/>	2022-11-15,12:02:40	2022-11-15,12:02:40	{ "rev": "1-34377030aeb7d241515cf...

Location in mobile application



CONCLUSION

Using the application, user can book train tickets based on availability of seats in particular train. Once tickets are available, they can book them by inputting their general information. Upon completion of payment, the data gets stored in Cloudant DB with unique ID for every transaction and a QR code is generated for every ticket. The ticket collector can scan the QR code to get information of the passenger, if the QR is correct, the details of the user are displayed, if the QR is invalid, it displays "Not a Valid ticket". Apart from ticketing, our application also allows the users to find out the live location and running status of the train.

FUTURE SCOPE

Cloud computing and IOT are integrated now to ease the ticketing system and tracking in railways. In near future, Internet of Things and Artificial Intelligence can be combined to make railways safer and faster. Artificial Intelligence can be used to determine delay and arrival time so that the passenger can act accordingly. By the use of Internet of Things, things such as maintenance of tracks, repairs and services can be carried out with ease.