

# Cab booking app

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# Problem

**Difficulty in finding nearby cabs  
and reliable carpool options ,  
enabling quick bookings and  
seamless ride-sharing.**



# Working

## Tech Stack

1. SwiftUI, Swift (frontend)
2. MySQL (database)
3. Node, Express, Firebase  
(backend API)

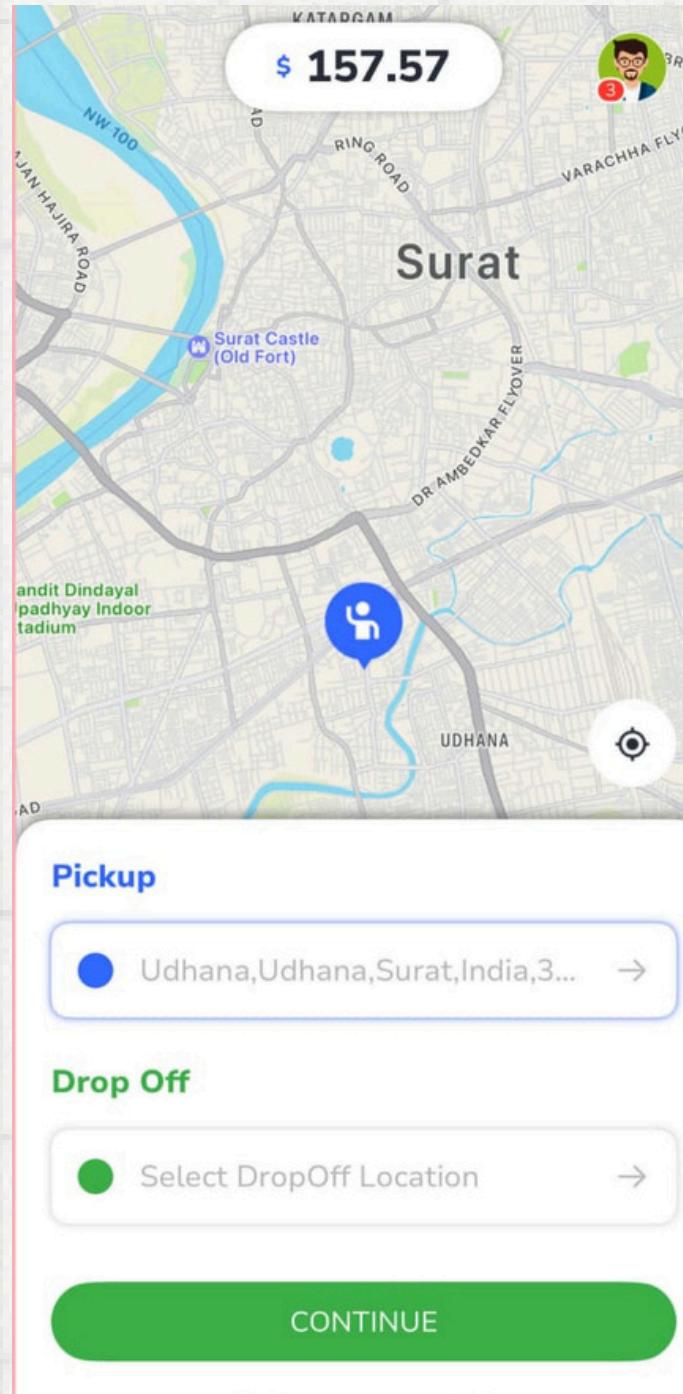


# Solution

An app to book nearby cabs  
with verified drivers  
offer low-cancellation  
carpooling options for needy  
users traveling to remote areas.



# Functionality



01.

## Location Selection on Map

Users can select their starting and ending points visually on an interactive map

02.

## Booking Rides

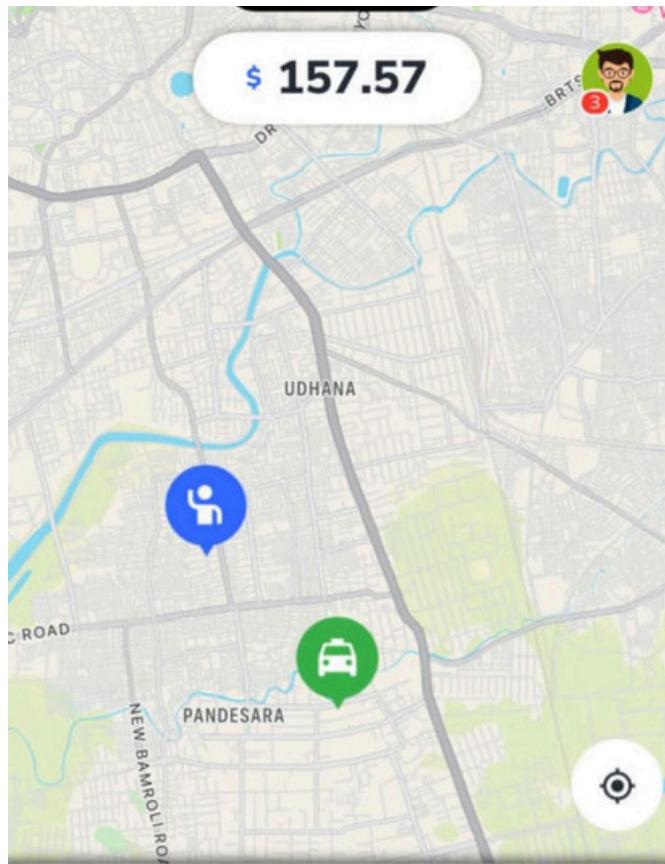
After selecting locations, users can book a ride by confirming their details

03.

## Ride Management

Once a user books a ride, the details are saved in the database, making it available for drivers

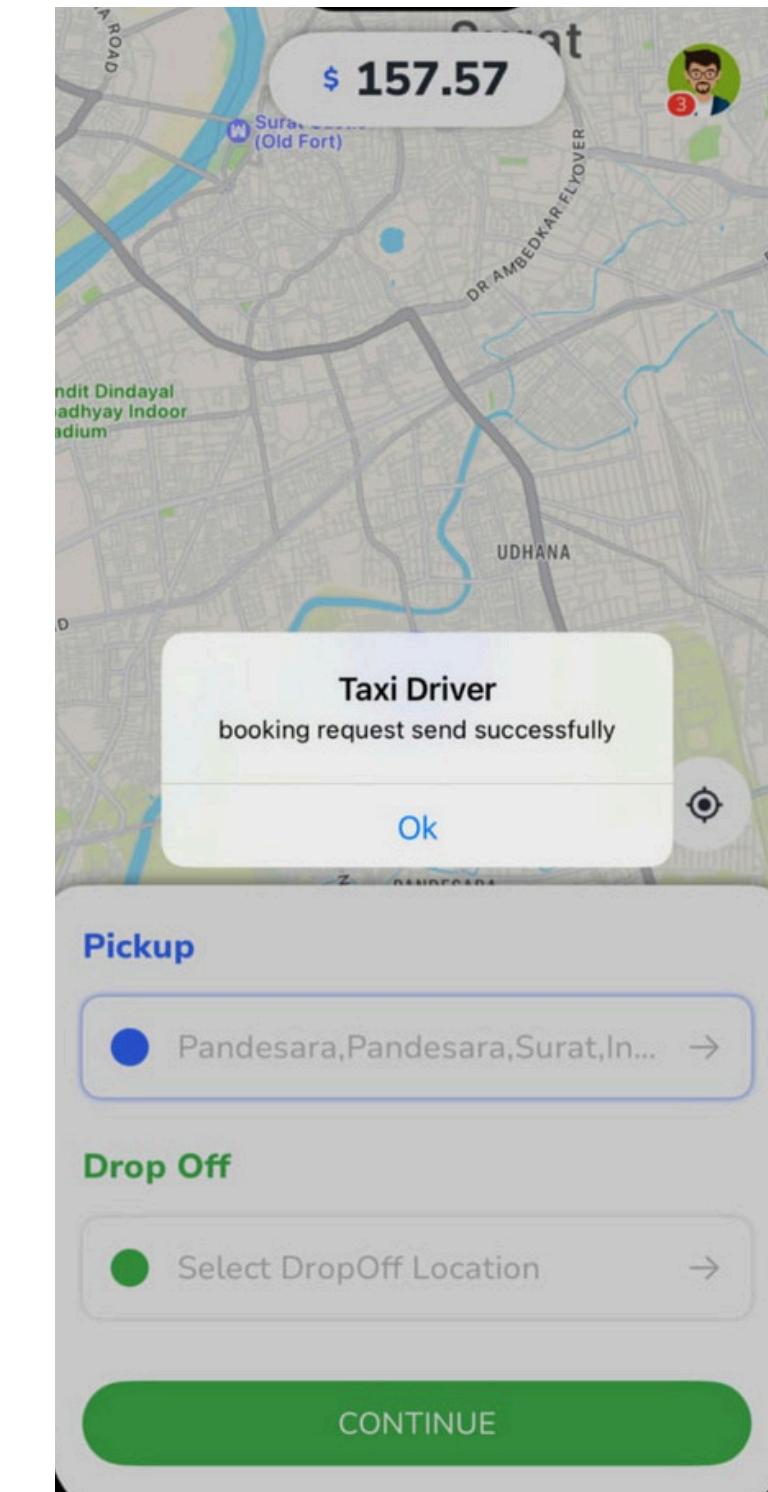
# screenshots



Select Car Service

GO RED  
\$5.35 - \$6.95

Send Request



# Booking details in backend

```
----- New Connection established with database. -----
```

```
{  
    pickup_address: 'Pandesara,Pandesara,Surat,India,394221',  
    drop_longitude: '72.8413827142988',  
    est_duration: '8.988333333333333',  
    drop_address: 'Pandesara,Pandesara,Surat,India,394221',  
    payment_type: '1',  
    amount: '3.9',  
    service_id: '2',  
    card_id: '',  
    price_id: '2',  
    est_total_distance: '2.2311',  
    pickup_date: '2024-11-25 00:50:40',  
    pickup_latitude: '21.152708373089396',  
    drop_latitude: '21.141830558873256',  
    pickup_longitude: '72.83124281547659'  
}
```

RMoBejw0iN4X4vjENfmM

# Booking details saved in database

MySQLWorkbench File Edit View Query Database Server Tools Scripting Help

MySQL Workbench

Local instance 3306 - Warning - not supported

Administration Schemas taxi\_app user\_detail SQL File 5 booking\_detail

SCHEMAS sys taxi\_app Tables Views Stored Procedures Functions

1 • SELECT \* FROM taxi\_app.booking\_detail;

Result Grid Filter Rows: Search Edit: Export/Import: Result Grid Form Editor Field Types Query Stats

booking_id	user_id	pickup_lat	pickup_long	pickup_address	drop_lat	drop_long
51	6	21.17019999999944	72.83110000000008	Udhana, Surat, India, 395017	21.176991876105124	72.83538446388835
52	6	21.17019999999944	72.83110000000008	Udhana, Surat, India, 395017	21.176991876105124	72.83538446388835
53	6	21.17019999999944	72.83110000000008	Udhana, Surat, India, 395017	21.181475232999787	72.83871682468013
54	6	21.17019999999944	72.83110000000008	Udhana, Surat, India, 395017	21.181475232999787	72.83871682468013
55	6	21.17019999999944	72.83110000000008	Udhana,Udhana,Surat,India,395017	21.175571378618063	72.83490841342973
56	6	21.17019999999944	72.83110000000008	Udhana,Udhana,Surat,India,395017	21.176991876743767	72.83481320238573
57	6	21.17019999999944	72.83110000000008	Udhana, Surat, India, 395017	21.177036266391852	72.83481320238573
58	6	21.1701	72.83111	Udhana,Udhana,Surat,India,395017	21.1702	72.83111
59	6	21.1701	72.83111	Udhana,Udhana,Surat,India,395017	21.1702	72.83111
60	6	21.1701	72.83111	Udhana,Udhana,Surat,India,395017	21.1706	72.83111
61	6	21.15635792103092	72.82316638866297	Pandesara,Pandesara,Surat,India,394220	21.15901166679146	72.84000298592707
62	6	21.154760139951566	72.82301497647029	Pandesara,Pandesara,Surat,India,394220	21.16391177666125	72.82441686913944
63	6	21.152708373089396	72.83124281547659	Pandesara,Pandesara,Surat,India,394221	21.141830558873256	72.8413827142988
64	6	21.152708373089396	72.83124281547659	Pandesara,Pandesara,Surat,India,394221	21.141830558873256	72.8413827142988
		NULL	NULL	NULL	NULL	NULL

booking\_detail 1 Apply Revert

Action Output

Object Info	Session	Time	Action	Response	Duration / Fetch Time
No object selected		00:50:11	SELECT * FROM taxi_app.user_detail LIMIT 0, 1000	6 row(s) returned	0.0055 sec / 0.00001...
		00:58:20	SELECT * FROM taxi_app.booking_detail LIMIT 0, 1000	53 row(s) returned	0.00083 sec / 0.000...

Query Completed

# API for Login and various other features

Code File Edit Selection View Go Run Terminal Window Help

taxi\_driver\_node-main

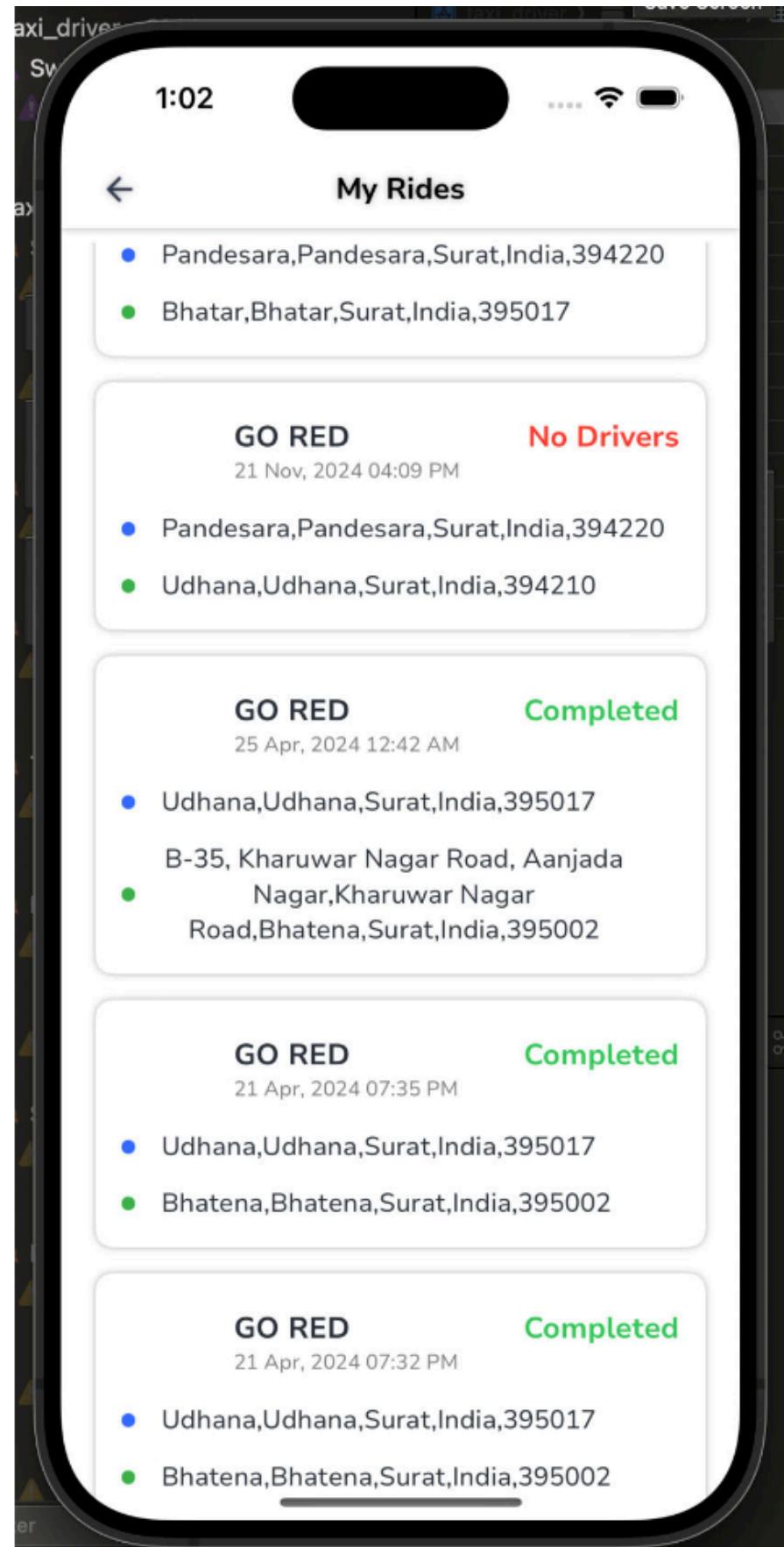
EXPLORER TAXI\_DRIVER\_NODE-MAIN

- bin
- config
- controllers
  - booking\_controller.js
  - cars\_controller.js
  - document\_controller.js
  - login\_controller.js**
  - socket\_controller.js
  - support\_controller.js
  - zone\_controller.js
- crash\_log
- helpers
- node\_modules
- public
  - 202411201522472247aOl...
  - stylesheets
- routes
  - index.js
  - users.js
- views
- .gitignore
- app.js
- MyTable.mwb
- MyTable.mwb.bak
- package-lock.json
- package.json
- README.md

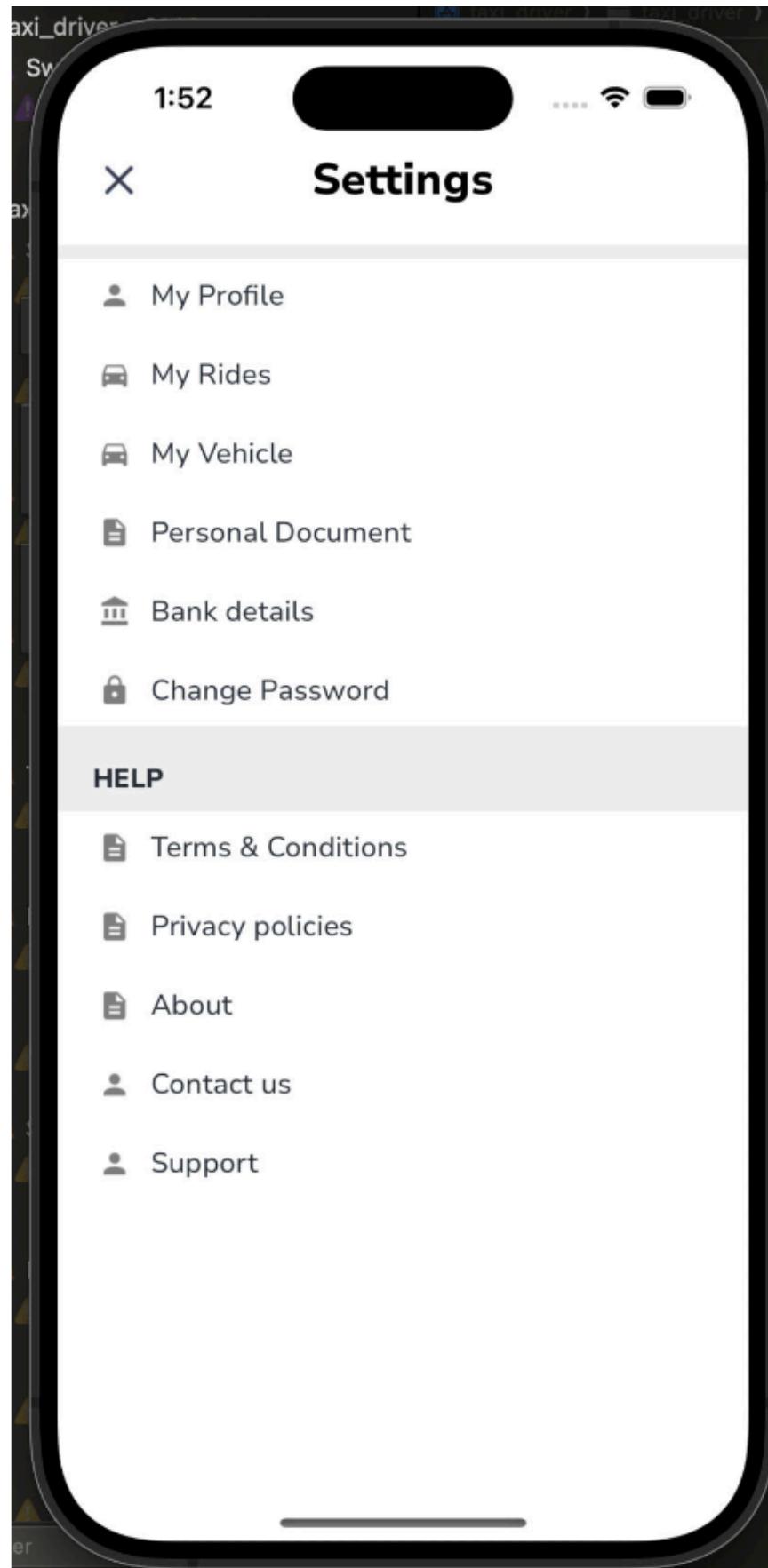
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

----- New Connection established with database. -----

Ln 8, Col 19 Spaces: 4 UTF-8 LF {} JavaScript ⚡ Go Live



**previously booked  
cabs**



**settings for user**

# **Thank you very much!**

**Shreyas nanda ,Rahul saini  
22cs2007,22cs2034**