

App I (GetCab) – For Passengers

Firestore DB before

```
getcab-bb432
├── cabbies
│   └── ab_gmail_com
└── trips
    └── Fulano-5521123456789-50th Street, New York, NY, USA-55th Street, New York, NY, USA
```

A valid request for a trip

The image displays three sequential screenshots of the 'GetCab' mobile application interface, overlaid on a background image of a yellow taxi. The status bar at the top of each screen shows connectivity icons and a 100% battery level.

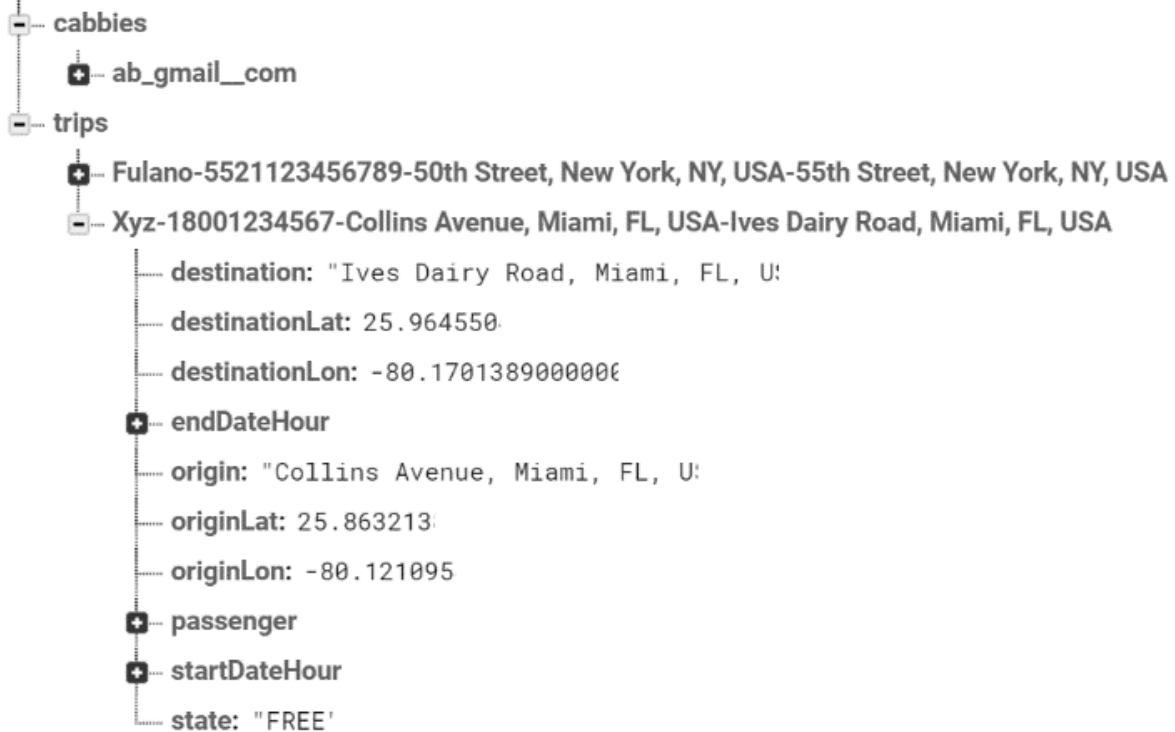
Screenshot 1 (Left): Registration Form
This screen prompts the user to enter their details for a trip request. The fields and their values are:
- Point of origin: Collins Avenue, Miami, FL, USA
- Destination: Ives Dairy Road, Miami, FL, USA
- Name: Xyz
- Phone number: 18001234567
- E-mail address: xyz@mail.com
A 'Get cab!' button is visible at the bottom.

Screenshot 2 (Middle): Trip Confirmation
This screen displays the trip details entered by the user and asks for confirmation. The information shown is:
- Trip state: FREE
- Origin: Collins Avenue, Miami, FL, USA
- Destination: Ives Dairy Road, Miami, FL, USA
- Trip started at: Wed Feb 27 17:59:15 GMT+02:00 2019
- Passenger contact information:
 - Name: Xyz
 - Email address: xyz@mail.com
 - Phone no.: 18001234567
The screen asks, 'Do you confirm the accuracy of this information?' and provides two options: 'CONFIRM' and 'NO, LET ME CHANGE THE INFORMATION'.

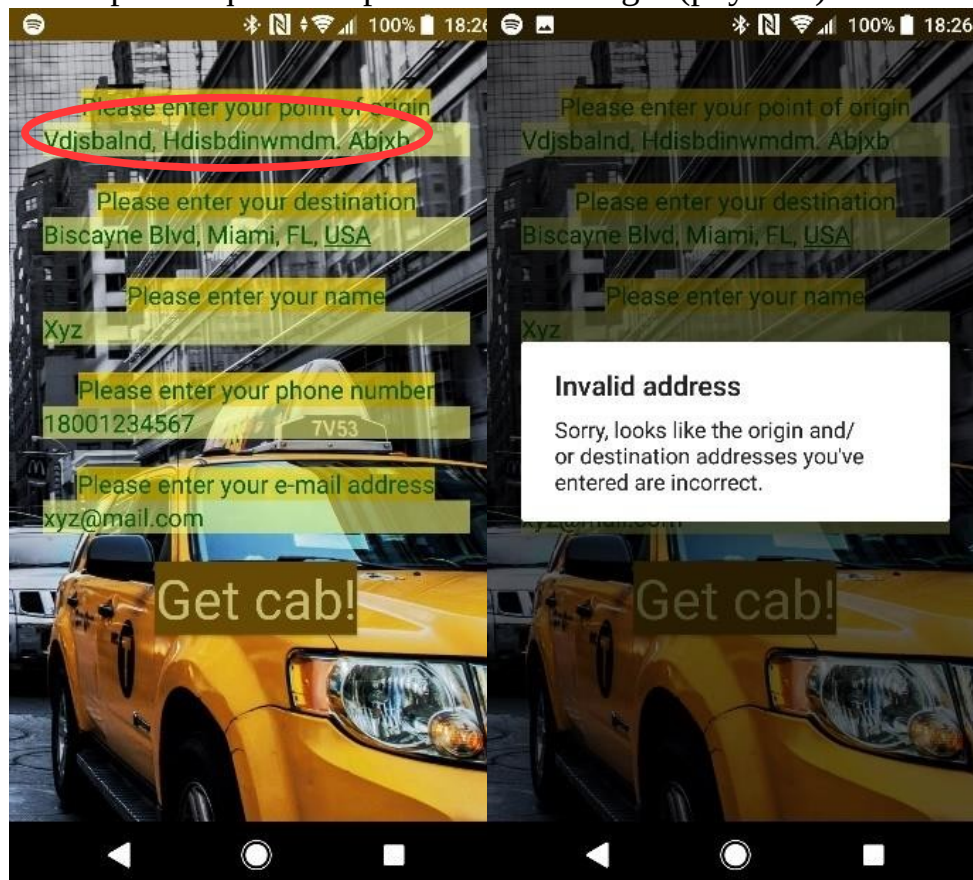
Screenshot 3 (Right): Trip Added Success
This screen shows a confirmation message: 'Trip added' followed by 'Trip request successfully added. A cab will be heading your way very soon!'.

Firestore DB after

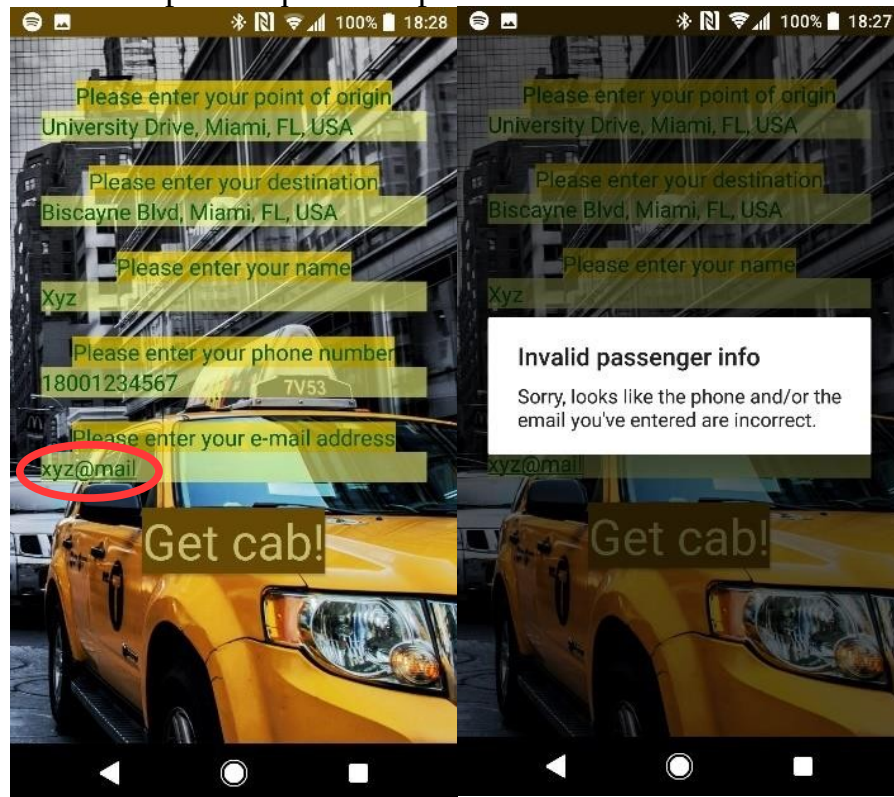
getcab-bb432



Attempt to request a trip with invalid origin (physical) address

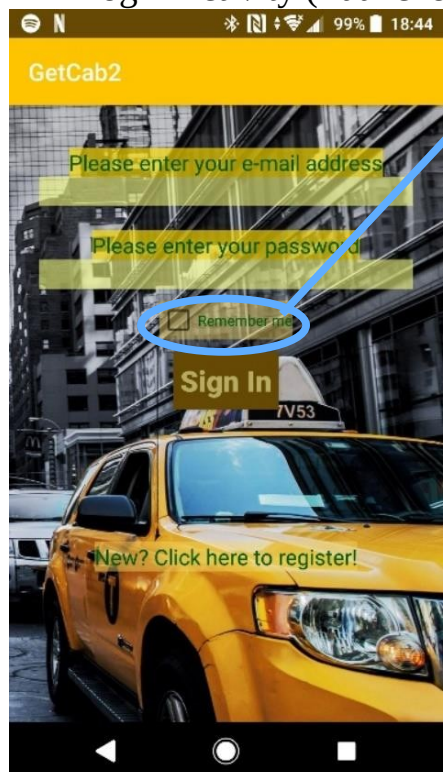


Attempt to request a trip with invalid email address

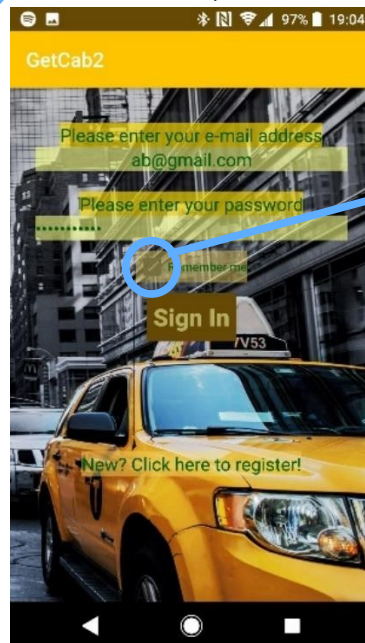


App II (GetCab2) – For Cabbies

- Login Activity (Launcher)



If the user checked this option the previous time they logged in, on this device, then their email address will already be filled in



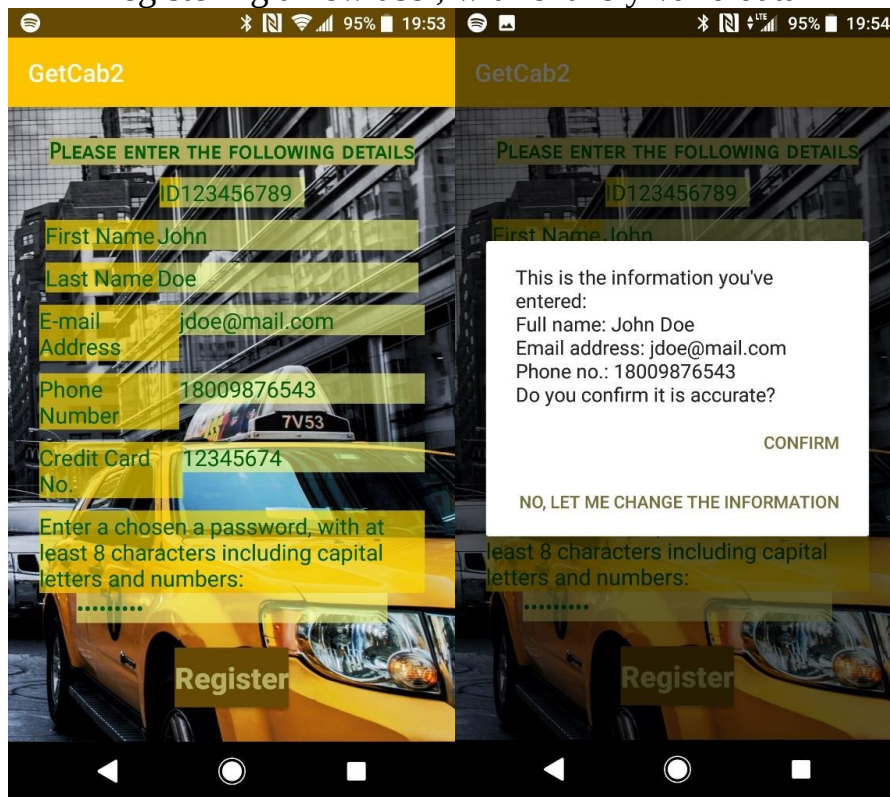
Previous login



Now

- Register Activity

Registering a new user, with entirely valid data

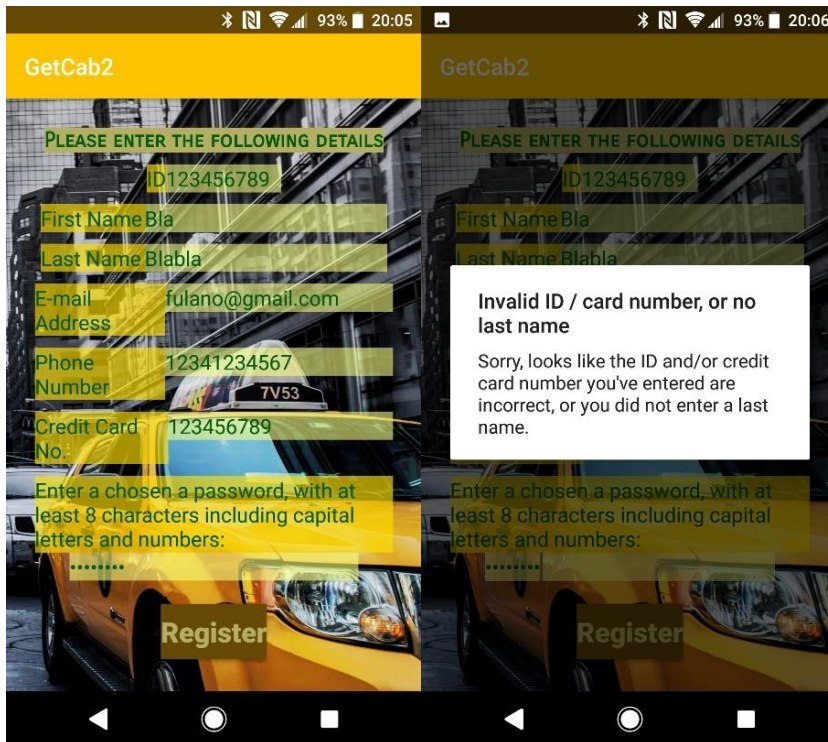


Firestore after

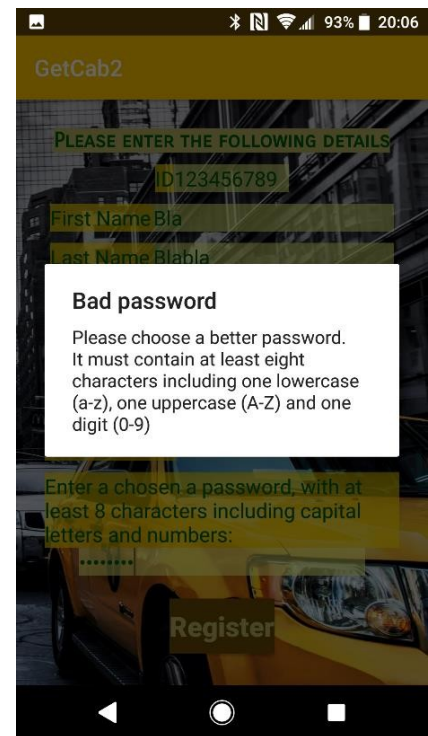
getcab-bb432



Attempt to register a cabbie with an invalid credit card no. (1) and a password that doesn't conform to the chosen password criteria (2)

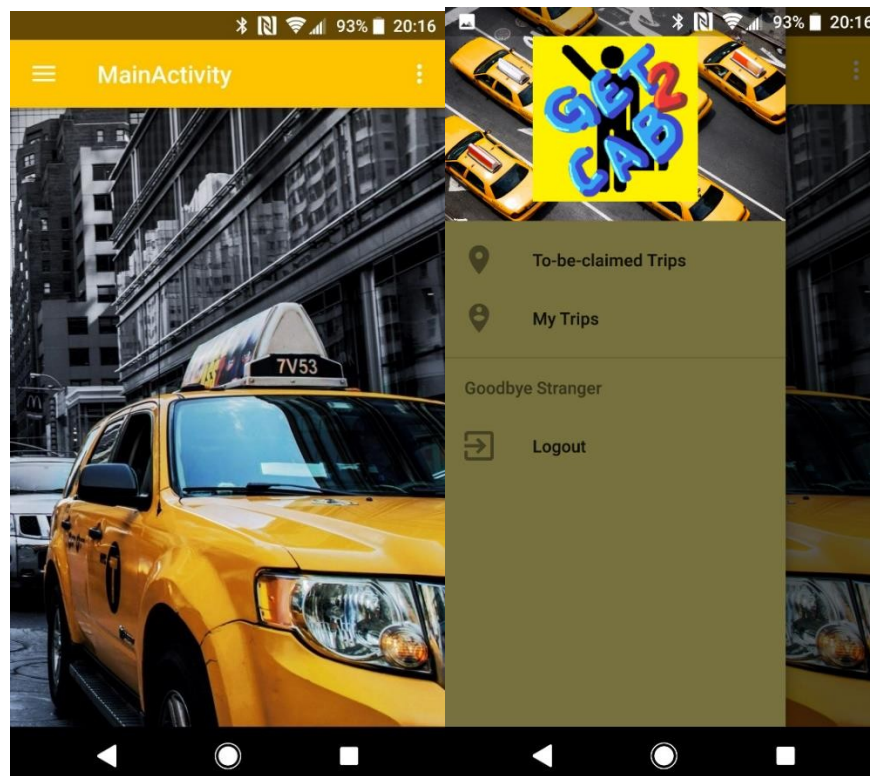


(1)



(2)

- Main Activity and its Navigation Drawer

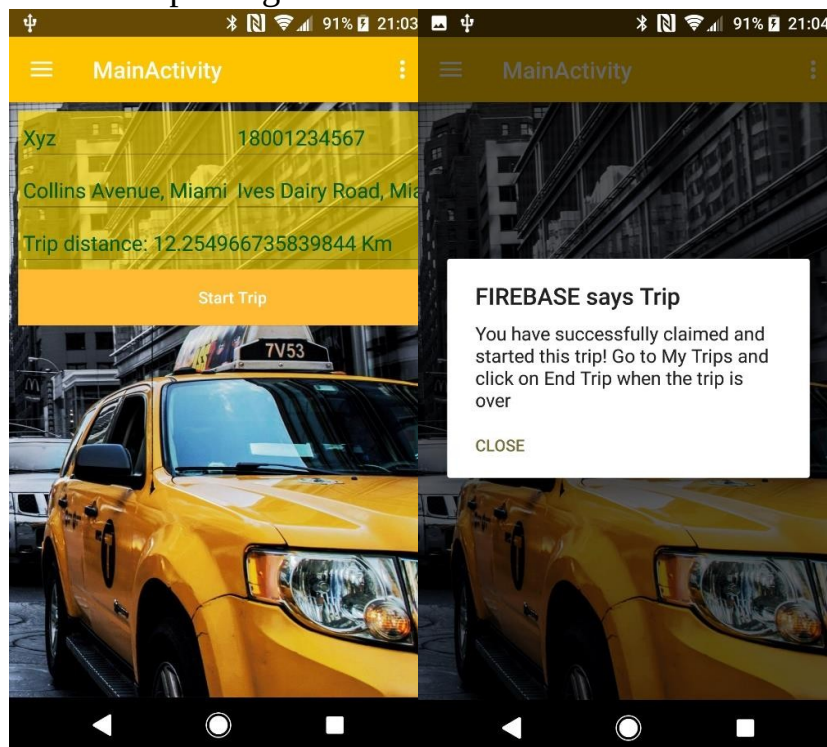


(Logged in with jdoo@mail.com's account)

Firestore before

```
getcab-bb432
├── cabbies
│   ├── ab_gmail_com
│   └── jdoe_mail_com
│       ├── cardNumber: "12345674"
│       ├── email: "jdoe@mail.com"
│       ├── identity: "123456789"
│       ├── key: "jdoe_mail__com"
│       ├── lastName: "Doe"
│       ├── name: "John"
│       ├── password: "testPass1"
│       └── phone: "18009876543"
└── trips
    ├── Fulano-5521123456789-50th Street, New York, NY, USA-55th Street, New York, NY, USA
    └── Xyz-18001234567-Collins Avenue, Miami, FL, USA-Ives Dairy Road, Miami, FL, USA
        ├── destination: "Ives Dairy Road, Miami, FL, U"
        ├── destinationLat: 25.964550
        ├── destinationLon: -80.17013890000000
        ├── endDateHour
        ├── origin: "Collins Avenue, Miami, FL, U"
        ├── originLat: 25.863213
        ├── originLon: -80.121095
        ├── passenger
        ├── startDateHour
        └── state: "FREE"
```

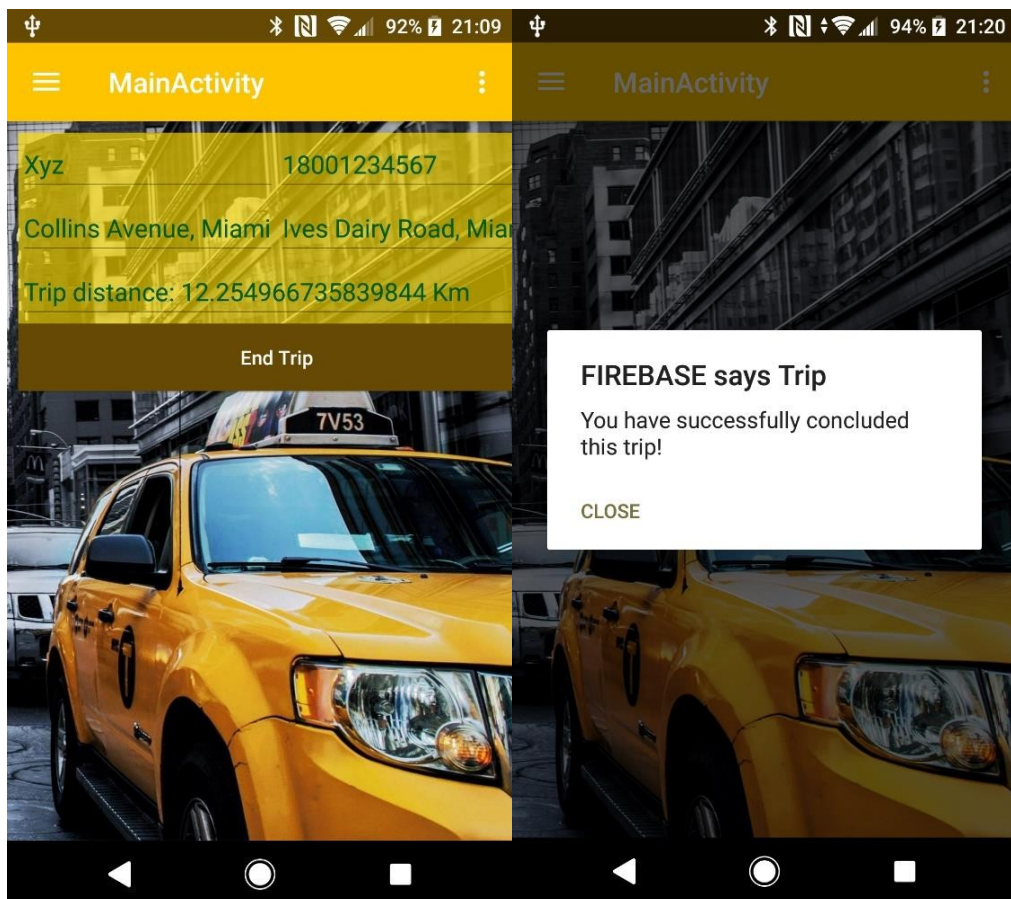
◆ To-be-claimed Trips Fragment



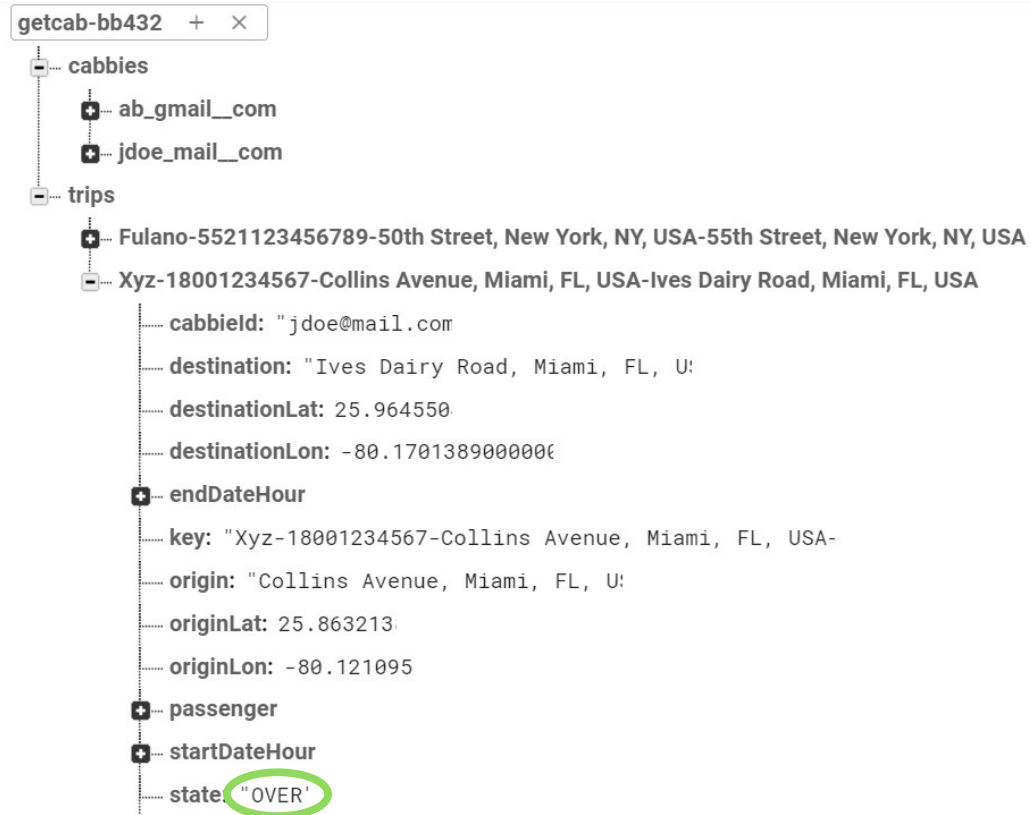
Firestore after

```
getcab-bb432
├── cabbies
│   ├── ab_gmail_com
│   └── jdoe_mail_com
└── trips
    ├── Fulano-5521123456789-50th Street, New York, NY, USA-55th Street, New York, NY, USA
    └── XYZ-18001234567-Collins Avenue, Miami, FL, USA-Ives Dairy Road, Miami, FL, USA
        ├── cabbid: "jdoe@mail.com"
        ├── destination: "Ives Dairy Road, Miami, FL, U:"
        ├── destinationLat: 25.964550
        ├── destinationLon: -80.17013890000000
        ├── endDateHour
        ├── key: "XYZ-18001234567-Collins Avenue, Miami, FL, USA-"
        ├── origin: "Collins Avenue, Miami, FL, U:"
        ├── originLat: 25.863213
        ├── originLon: -80.121095
        ├── passenger
        ├── startDateHour
        └── state: "ONGOING"
```

◆ My Trips Fragment



Firestore after



Logout

