

# CA326 - User Manual

## **Project Title**

Carpool App for DCU Students on Android

## **Students**

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Darragh O'Brien

## **Date Completed**

04/03/2022

## **Prerequisites**

- Android device
- Expo Go (available from Google Play Store)
- Internet connection

## **Getting Started**

To get started using our carpool app, simply scan the QR code below:



Or visit the following link on your android device:

<exp://exp.host/@prizemd2/frontend?release-channel=default>

# Account

## Registration

If you haven't already, you will need to register a new account by clicking on the 'Register' tab at the bottom of your screen. You will then be shown the following screen.

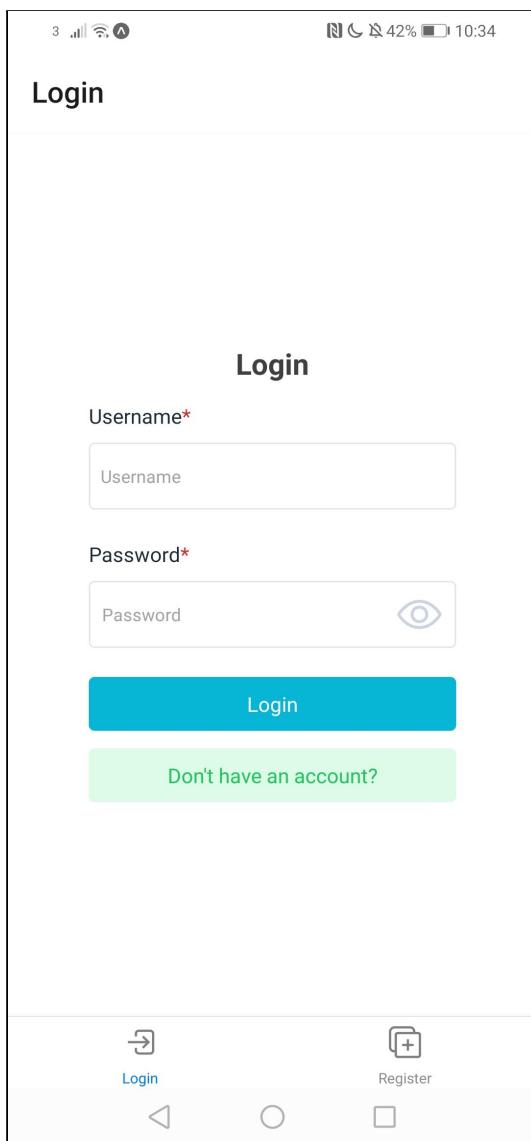
The image shows a smartphone screen displaying a registration form. The top status bar indicates signal strength, battery level (42%), and time (10:35). The title 'Register' is centered at the top of the page. Below the title, there are six input fields: 'First Name' (placeholder 'First name'), 'Surname' (placeholder 'Surname'), 'Phone Number' (placeholder 'Phone No'), 'Username' (placeholder 'Username'), 'Password' (placeholder 'Password' with an eye icon to toggle visibility), and 'Re-enter password' (placeholder 'Password' with an eye icon to toggle visibility). At the bottom of the screen, there are two buttons: 'Login' (with a user icon) and 'Register' (with a plus icon). Navigation icons for back, forward, and home are also present at the bottom.

Once you are on the registration page, you will need to submit your registration details via the form provided. Once all fields are filled in, press the 'Register' button to register your account and be taken to the 'Home' screen. Ensure your registration details are valid by sticking within the following restrictions:

- Username must be unique
- Phone number must be a valid Irish phone number (0871234567 format)
- Passwords must be at least 6 characters long.

## Login

Before logging into your account, you must have already registered. See details above for registration guidance. To login to your account, navigate to the ‘Login’ page by pressing the ‘Login’ tab at the bottom of your screen. This will display a login form, where you can enter your username and password, as shown in the image below.

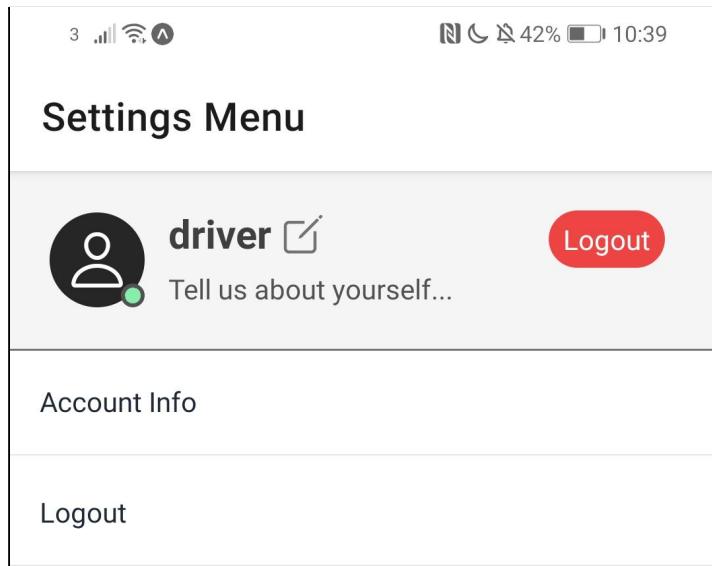


Enter your username and password, then press the ‘Login’ button to be logged into your account, and automatically be navigated to the ‘Home Screen’.

## Logout

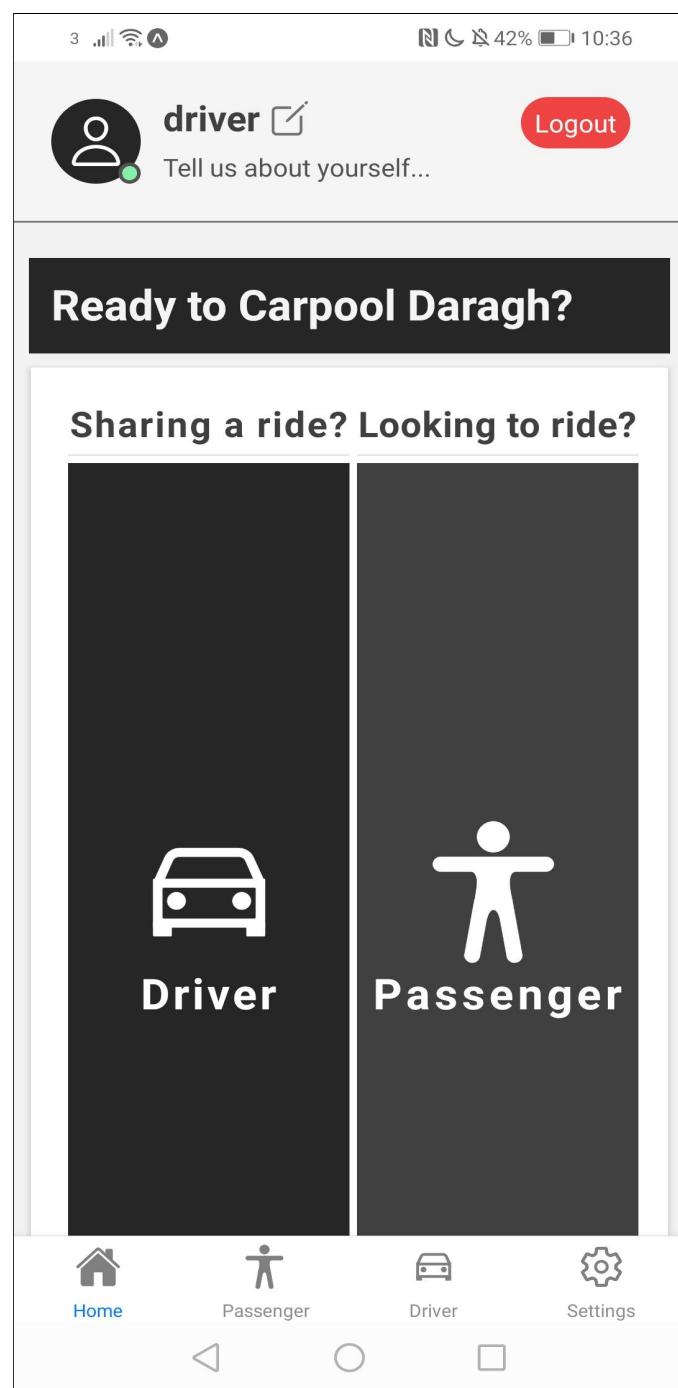
There are 2 options to logout of your account.

1. **Via the Home screen** - Navigate to the Home screen by pressing the Home tab in the bottom left of your screen. Now you can logout of your account by pressing the red logout button located in the top right hand corner of your screen. Note that you cannot access the Home screen when you have an active trip, so you must log out via the Settings screen.
2. **Via the ‘Settings’ screen** - Navigate to the settings screen by pressing the ‘Settings’ tab in the bottom right of your screen. This should show the following screen. Here, you can either press the red logout button located in the top right hand corner of your screen, or you can press the Logout button beneath Account Information.



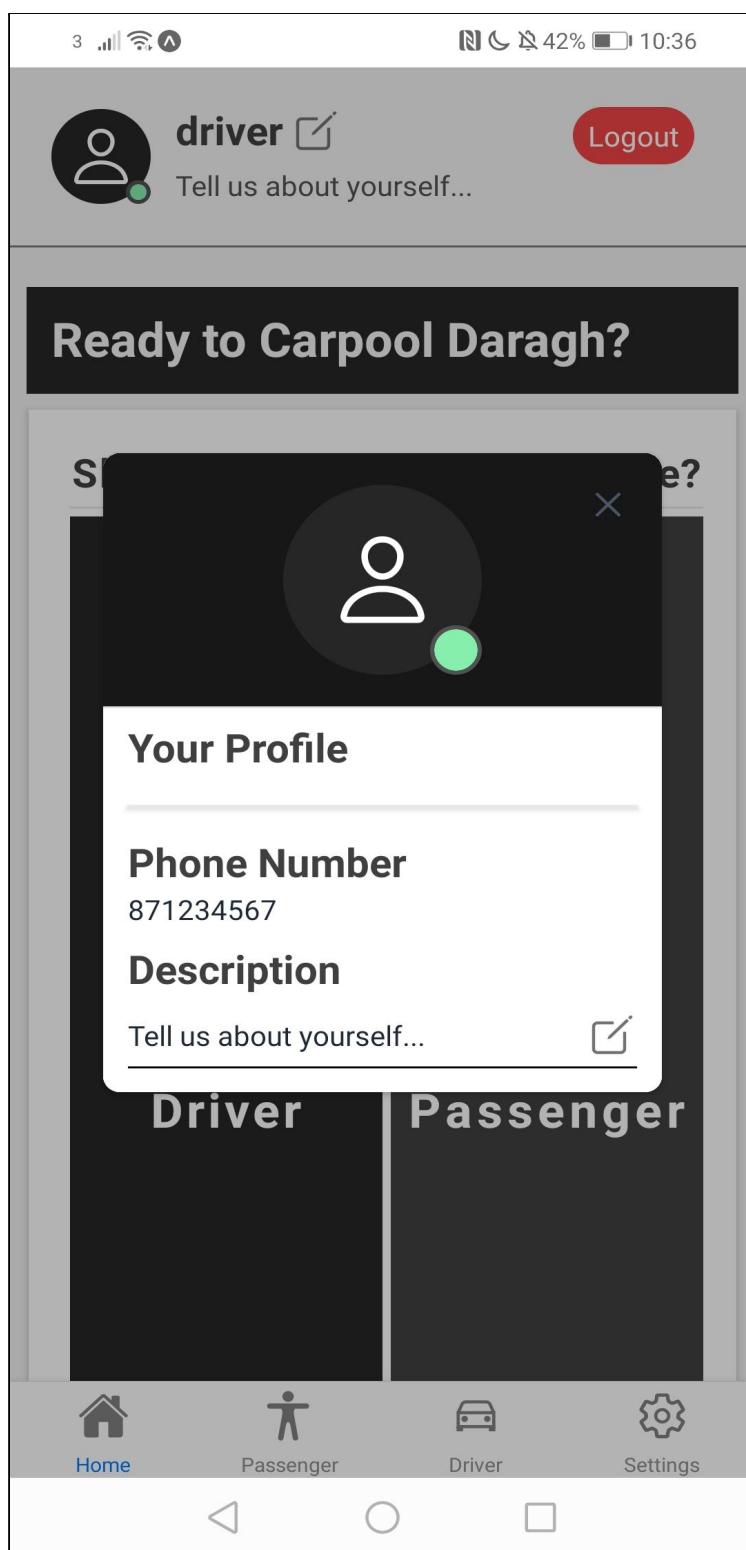
## Select a role

You can select a role by pressing either the driver or passenger buttons located on the Home screen, as shown in the image below. You will then be navigated to the screen related to your role.



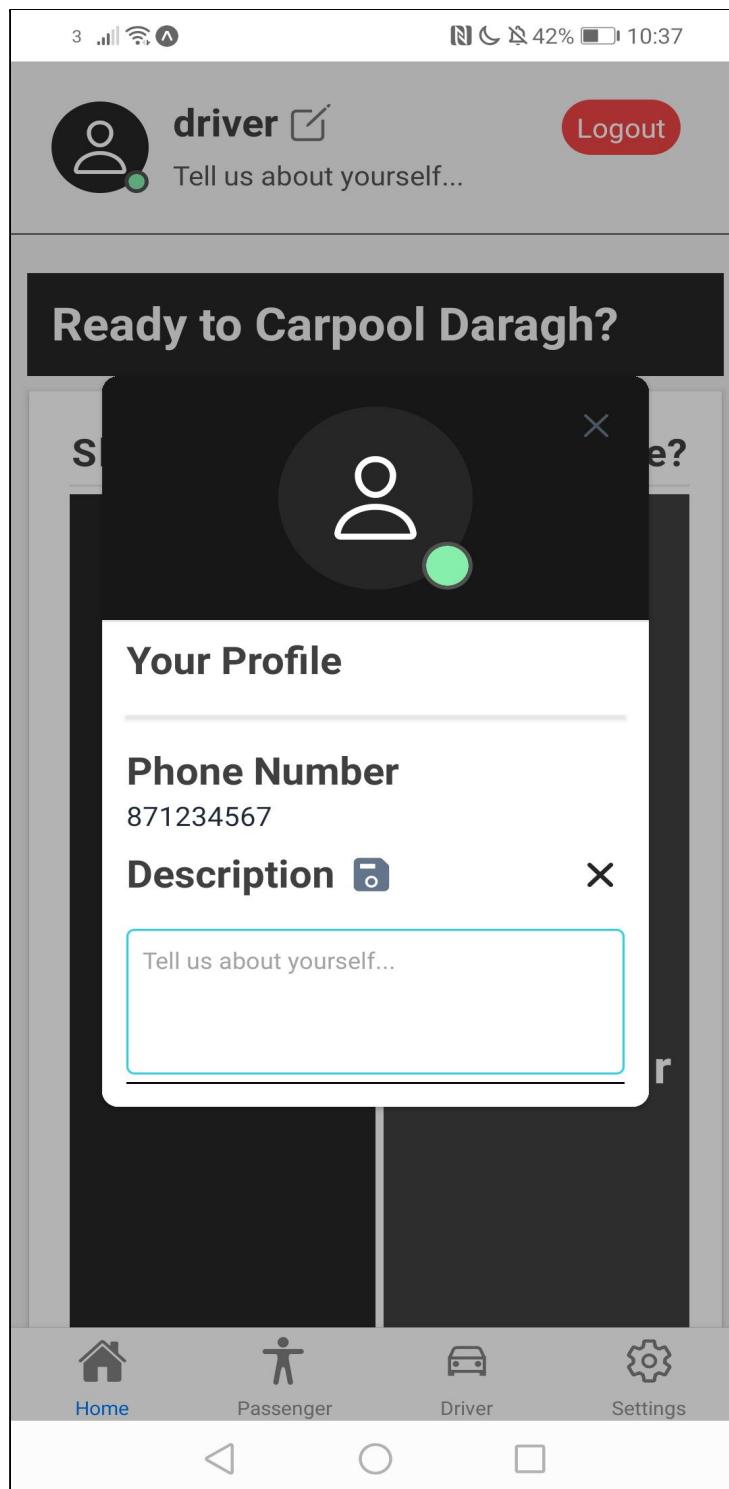
## View Profile

To view your profile, click on the profile icon, which is located at the top of either the Home or Settings screen for example. It can also be found for requests to your trip when driving, when searching trips as a passenger, or while on an ongoing trip. You should then see your profile pop-up, containing your name, phone number and a profile description.



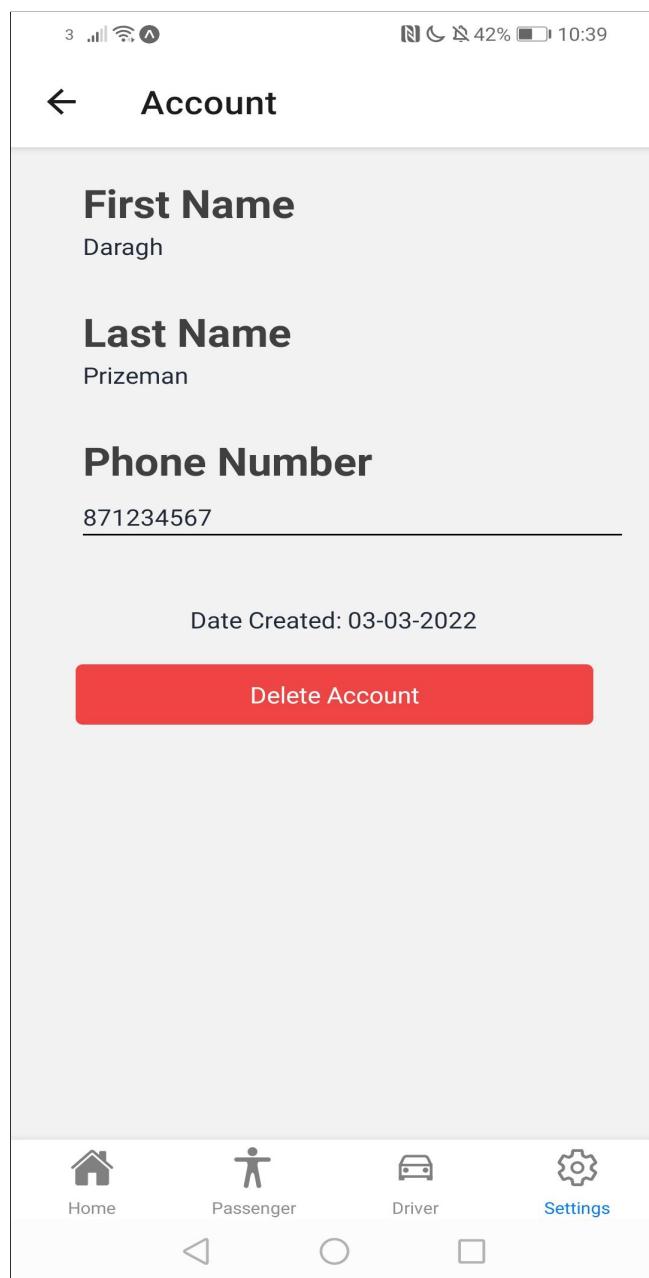
## Edit Profile Description

To edit your profile description, first click on your profile as mentioned in the step above. Here you can enter a new profile description by clicking on the 'description' field. Click the save icon above the text box to save your profile description.

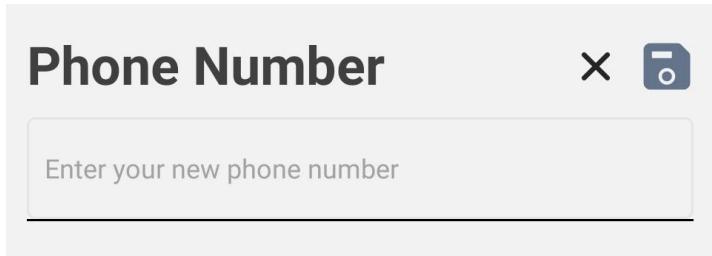


## Update phone number

To update your phone number, navigate to the Settings screen and then press 'Account Info'. This should display the following screen.



You can update your phone number related to your account by entering a new phone number into the field provided. Then save this number by clicking the save icon.



A screenshot of a mobile application interface titled "Phone Number". At the top right are a close button ("X") and a save icon (a blue square with a white circle). Below the title is a text input field containing the placeholder "Enter your new phone number".

If you entered a valid phone number, you should see a success message indicating that your phone number was successfully updated.



A screenshot of a mobile application interface titled "Phone Number". A green success message at the top states "Phone number updated : 0871234567".

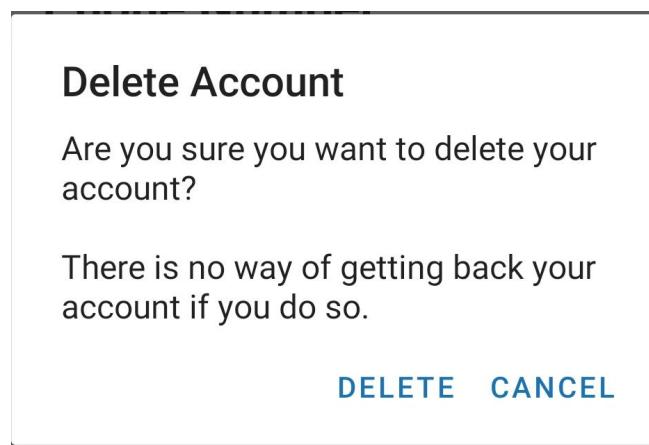
Otherwise you will see the following error message.



A screenshot of a mobile application interface titled "Phone Number". A red error message at the top states "Error! Please enter a valid Irish phone number."

## Delete account

To delete your account, navigate to the 'Account Info' screen through the Settings menu as described above. Delete your account by pressing the 'Delete Account' button. This will cause the following alert to pop up.



Press 'Delete' if you are sure you want to delete your account. Note this action is irreversible.

## Trip Setup

### Selecting your trip direction

When setting up a trip as either a driver or passenger, the first thing you need to do is choose a trip direction, at the top of the screen.



Select 'To DCU' if you are going to from DCU. Alternatively, select 'From DCU' if you are departing from DCU. Then will be prompted to select a campus.

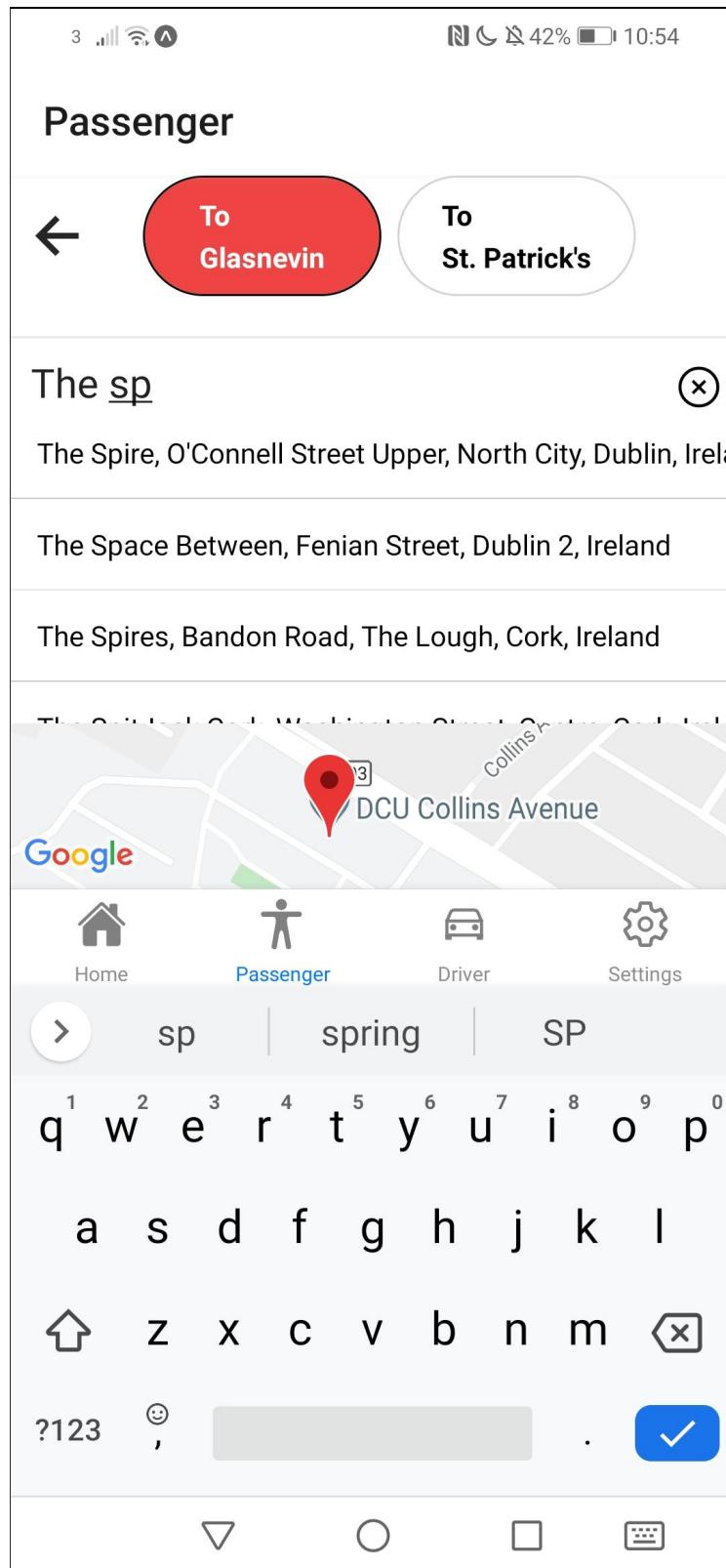
## Selecting a campus

Once you have selected a campus direction as mentioned above, you will then be prompted to select which DCU campus you would like for your trip. To select a DCU campus, press either 'Glasnevin' or 'St. Pat's' depending on your desired location.

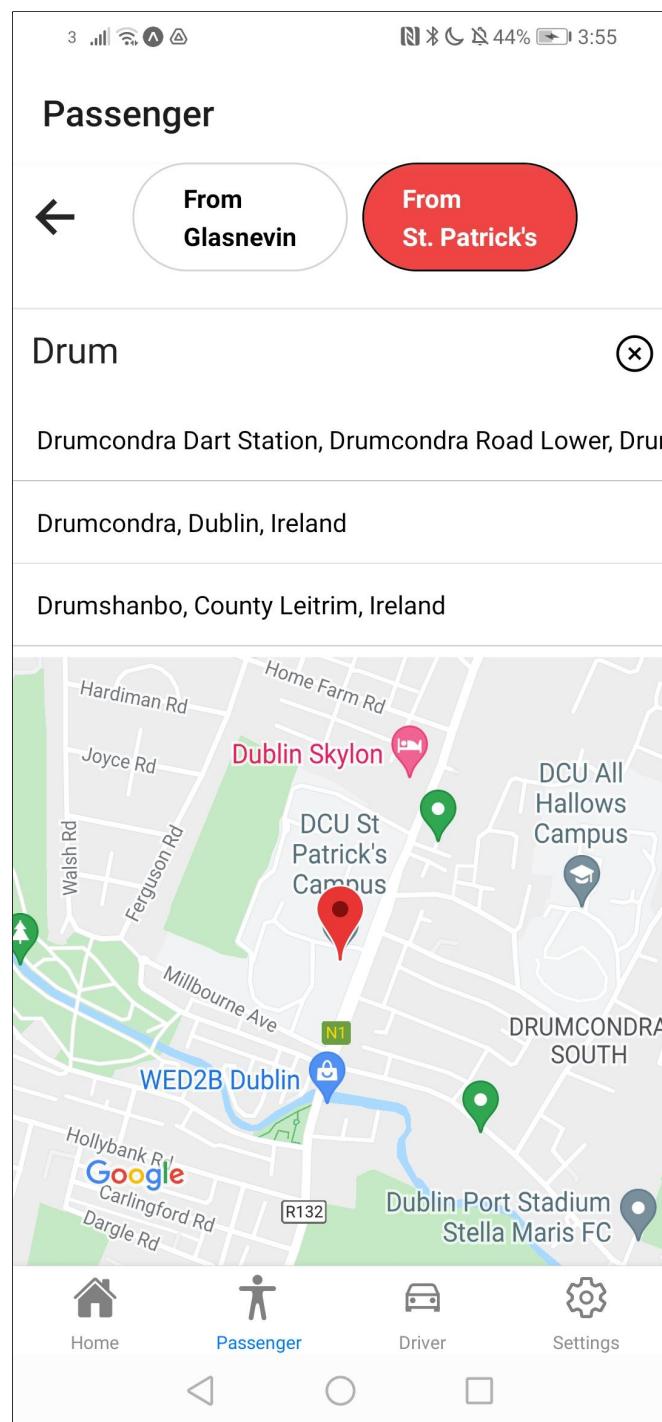


## Enter non-campus location

After selecting a campus, if your trip is ‘To DCU’, you will be prompted to enter your desired starting location in the auto-complete bar pictured below.



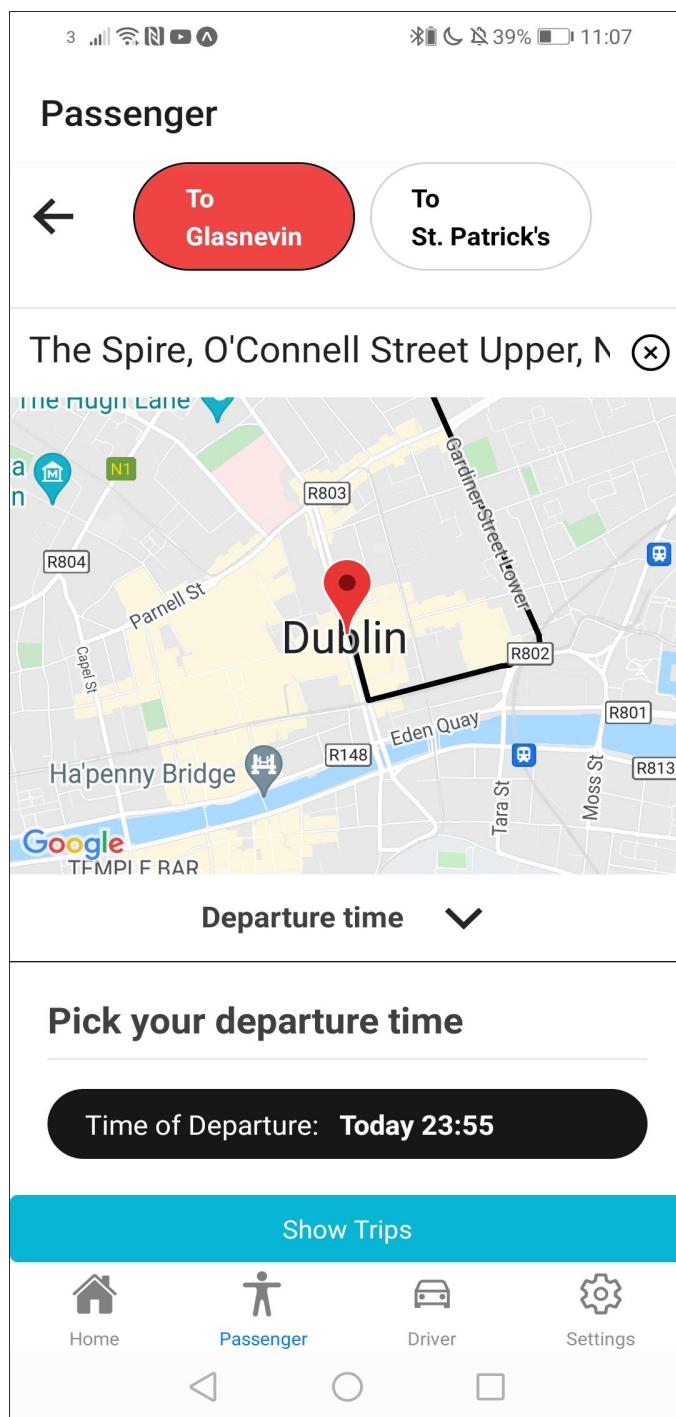
Similarly if your trip is 'From DCU', you will be prompted to select your desired destination location in the auto-complete bar pictured below.



## Selecting time of departure

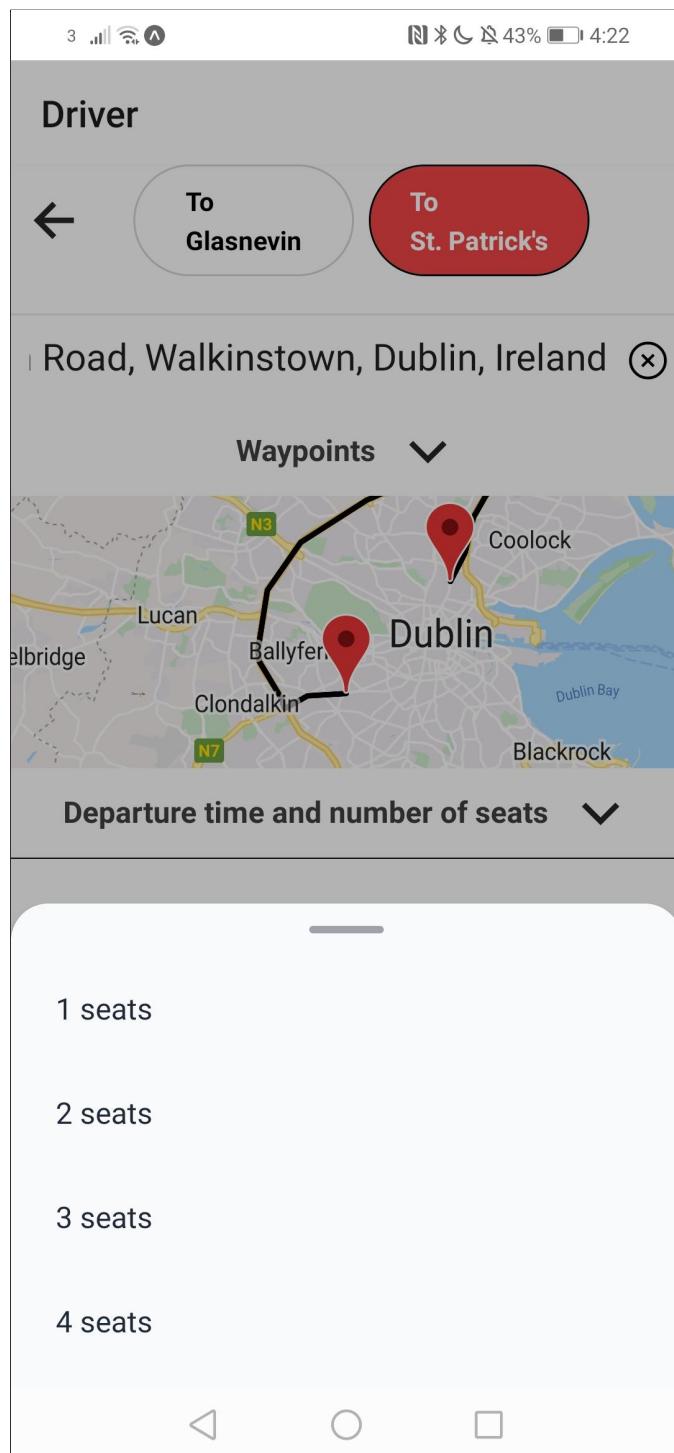
After having entered both locations, for a passenger to select the time of departure for their trip, click on the ‘Departure Time’ panel on the Passenger screen. This will show a button that you can press to select your desired departure time for your trip.

For a driver to select the time of departure for their trip, click on the ‘departure time and number of seats’ panel, which will display the departure time selector. Note that departure time defaults to ‘Now’ if no time is selected.



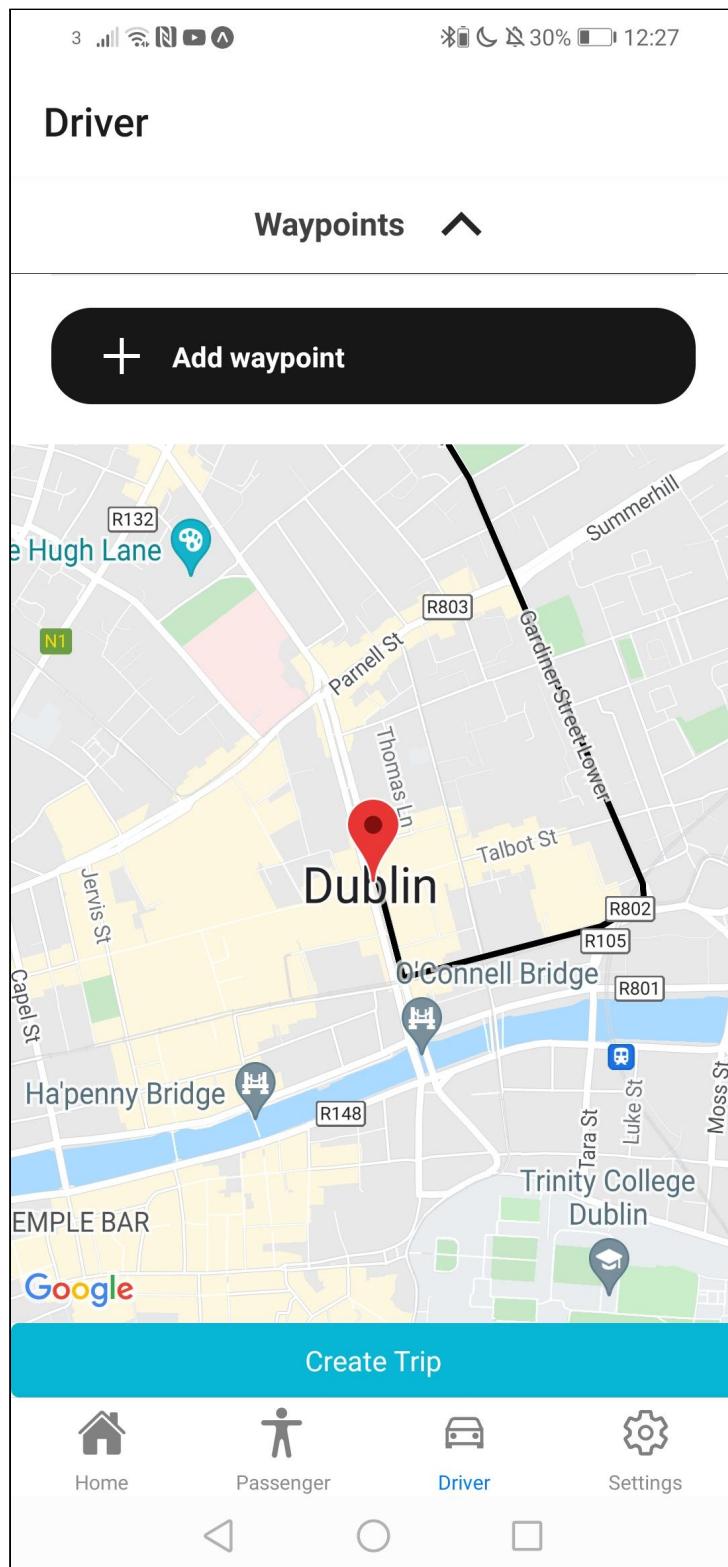
## Selecting number of seats available (driver only)

For a driver to select the number of seats available for their trip, click on the 'departure time and number of seats' panel located at the bottom of the Driver screen, which will display the following screen. Press on the 'Choose your number of available seats' button where you can then select the number of seats by choosing a number 1-4 on the list provided.



## Add a waypoint (driver only)

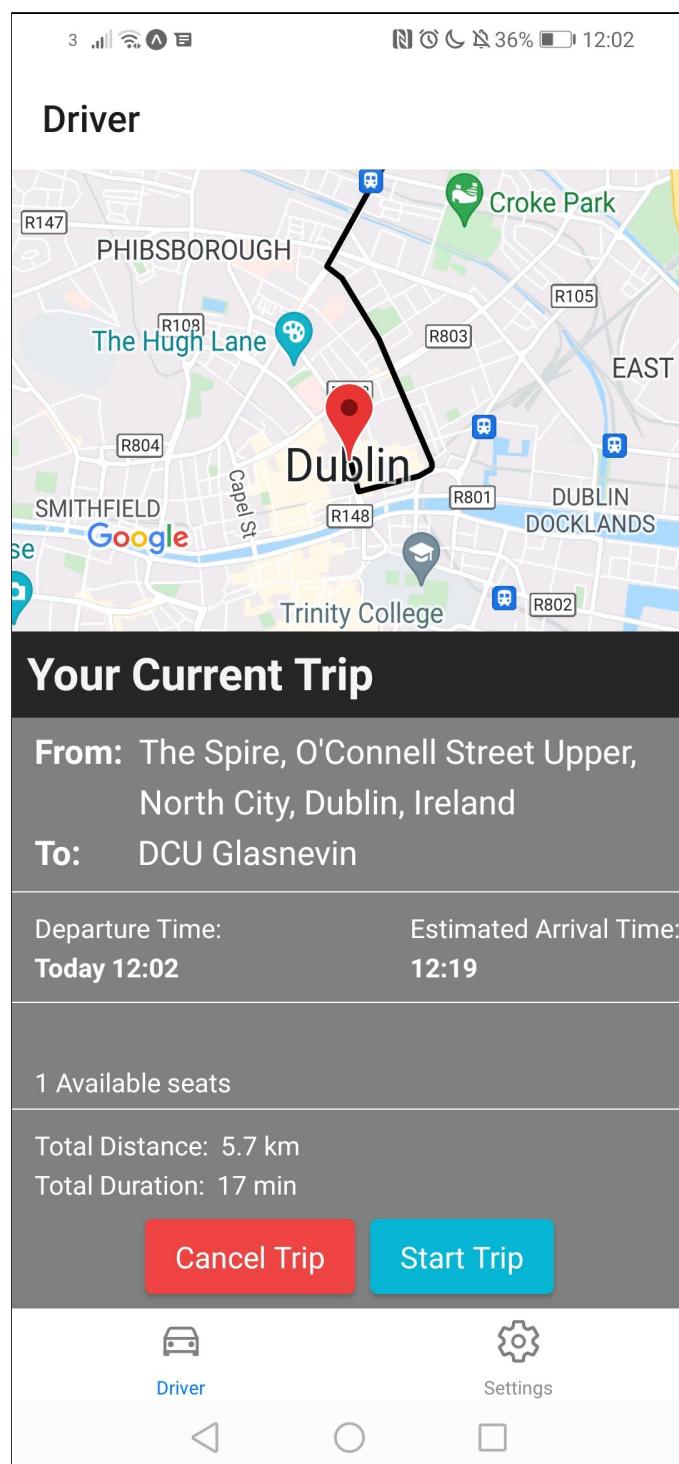
For a driver to add a waypoint to a trip, press the add waypoints button where you will be prompted to enter another location to add to your trip as a waypoint.



## Driver

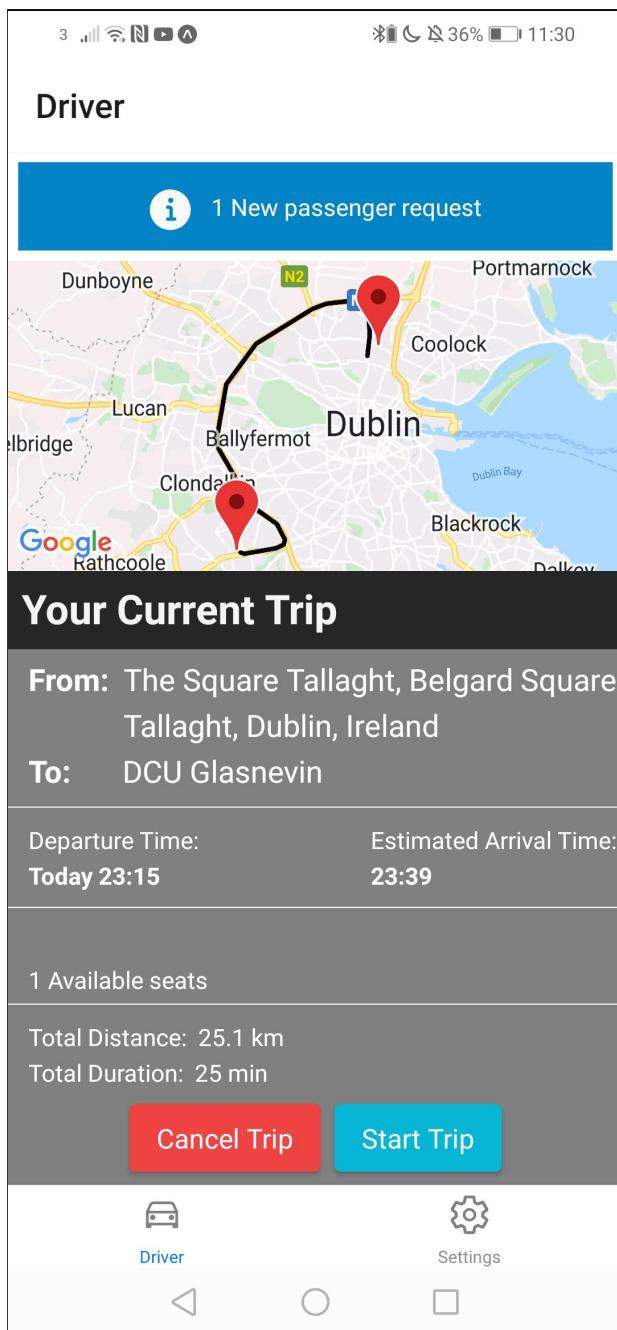
### Creating a Trip

As a driver, once you have entered all of your desired trip information, you can create your trip by pressing the “Create Trip” button located at the bottom of the Driver screen. Note that this button will only appear once you have selected a start and destination location. You should then be shown all of your current trip information as shown in the image below.

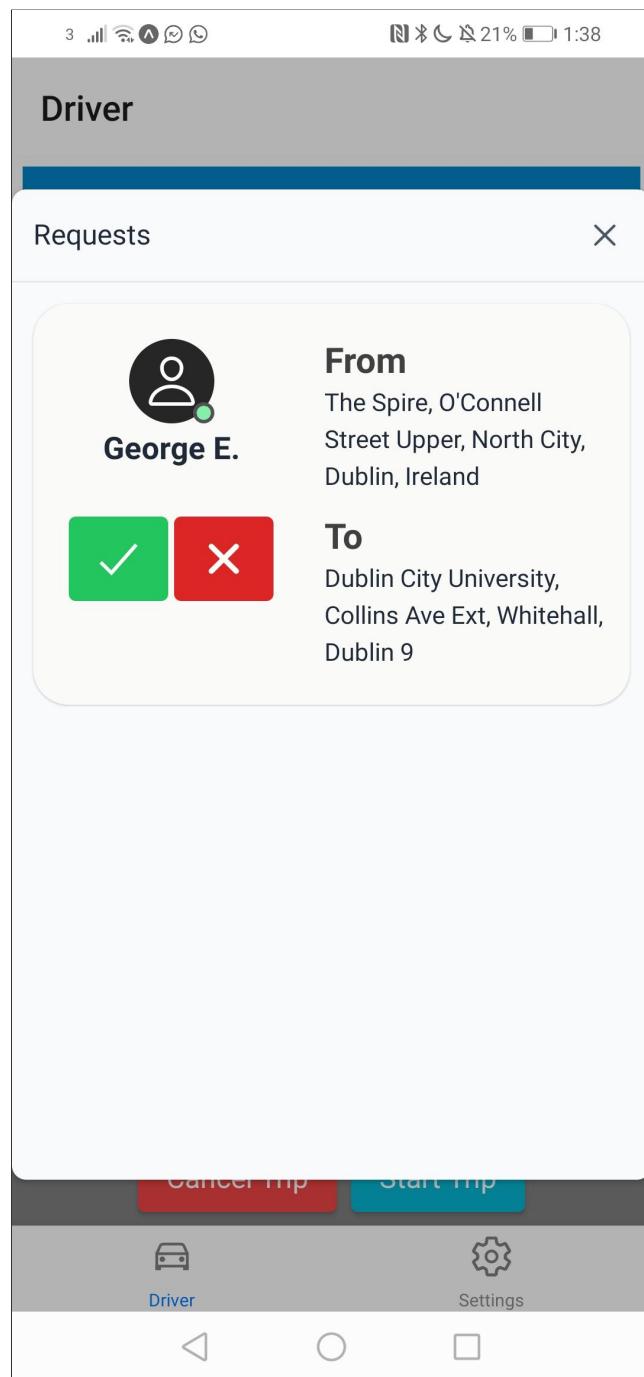


## View passenger requests

When a passenger makes a request to join your trip, you will be notified in real-time by an alert at the top of your screen, as shown in the image below.

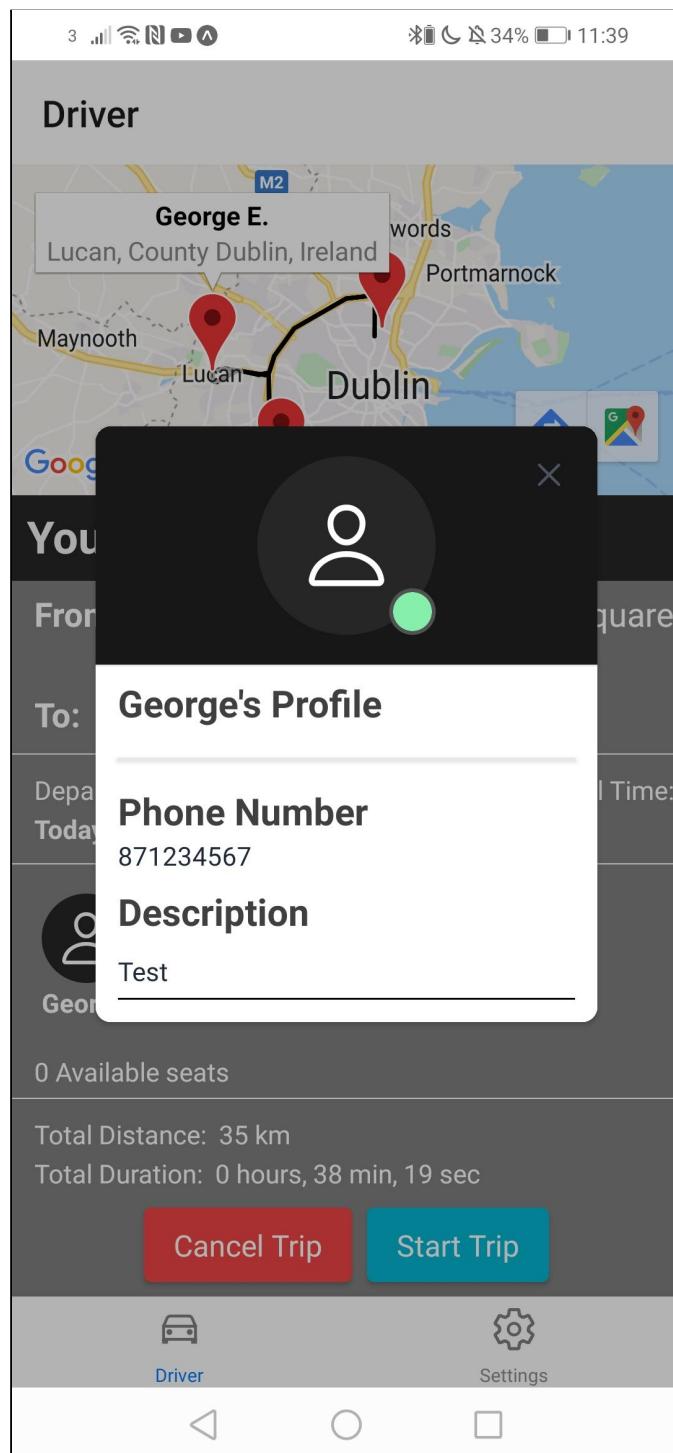


You can then view these trip requests by pressing on this alert, revealing information about each passenger request and the option to accept or decline the request.



## Accepting a passenger request.

When viewing all passenger requests, you can accept a request by clicking the green tick button beneath the passenger's user icon. This will add the passenger to your current trip, updating the trip distance, duration and ETA. The passenger will be added to the passenger list on screen where you can view their profile by pressing their user icon. The passenger list can be horizontally scrolled.

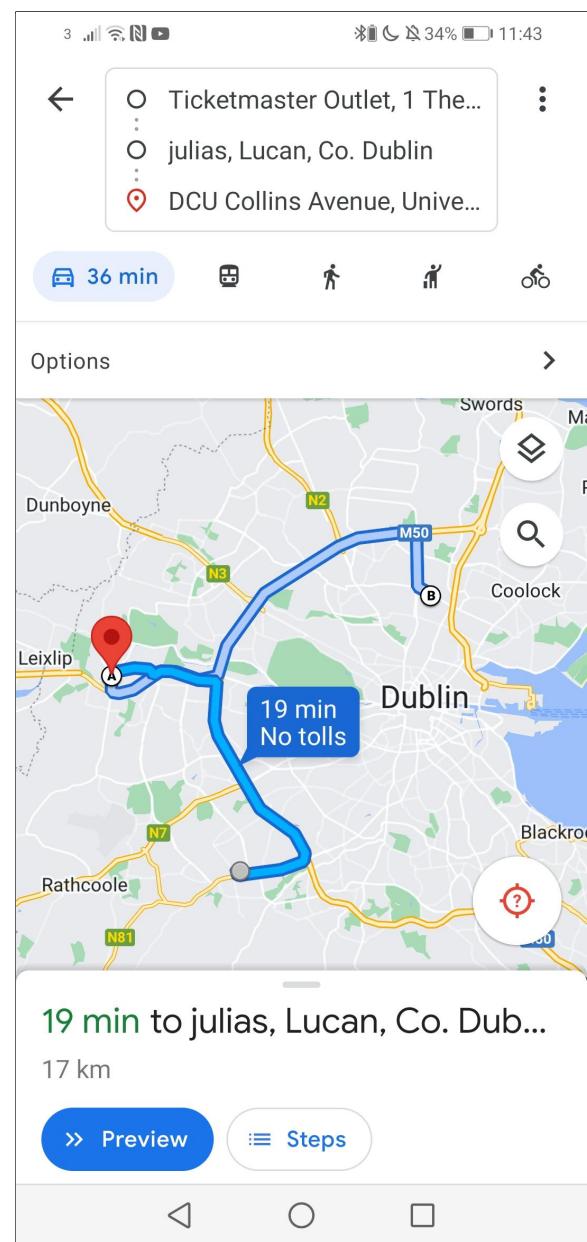
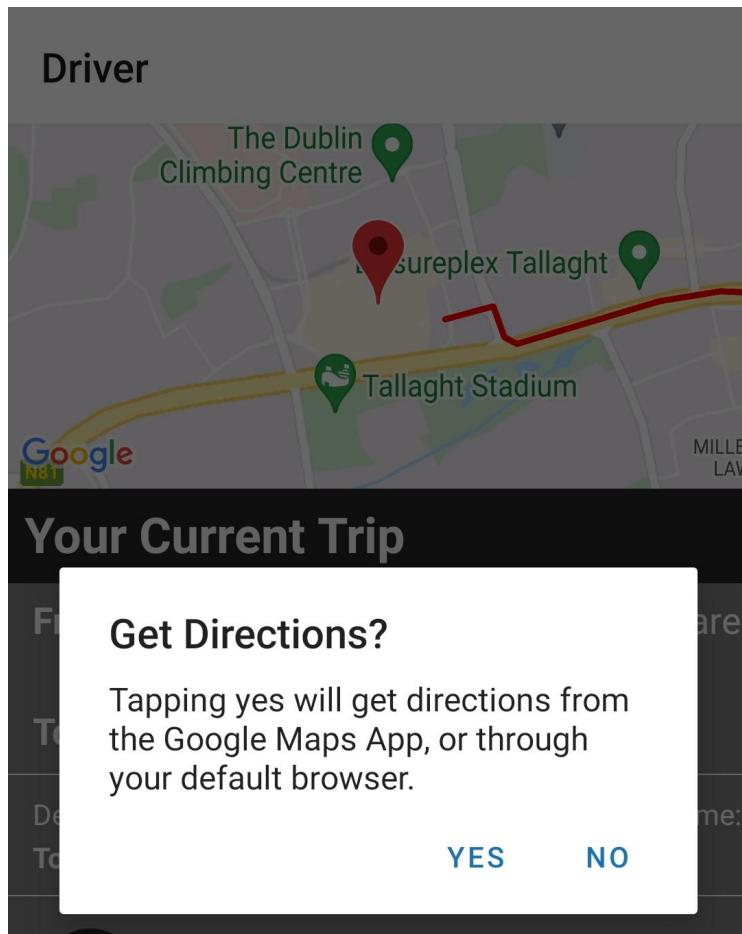


## Declining a passenger request

When viewing all passenger requests, you can decline a request by pressing the red 'X' button beneath the passenger's user icon. This will not affect your route or trip information.

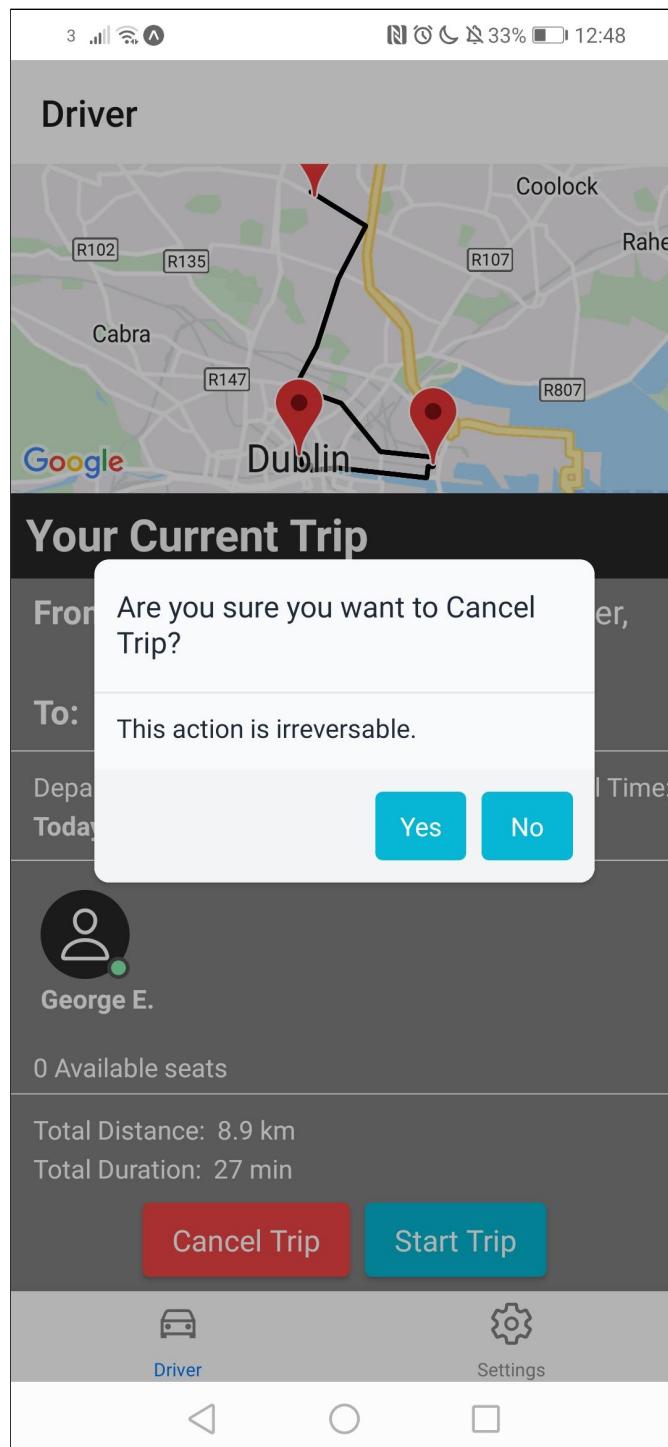
## Getting live directions

By pressing on the drawn route, you will be prompted to an alert, to either send and open your route on the Google Maps app or your default browser as seen in the images below. The image on the right is the Google Maps app which is not our own.



## Cancelling a trip

If you want to cancel your trip as a driver, simply press the red 'Cancel Trip' button at the bottom of your screen. You will then be asked to confirm your decision to cancel the trip, as shown in the image below.

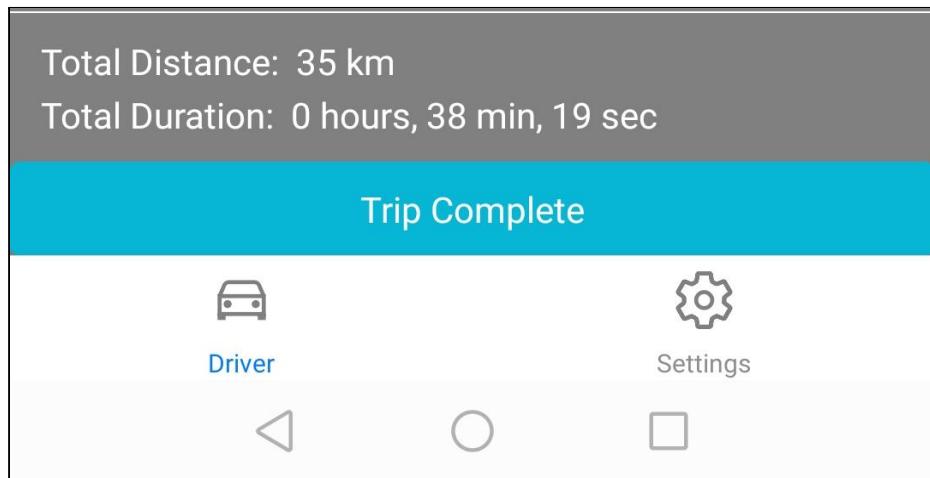


## Start Trip

Once you are ready to depart, as a driver, you can start your trip by selecting the ‘Start Trip’ button at the bottom of the Current Trip screen. This will automatically decline any passenger requests awaiting response and prevent further passengers from requesting to join your trip.

## Ending a trip

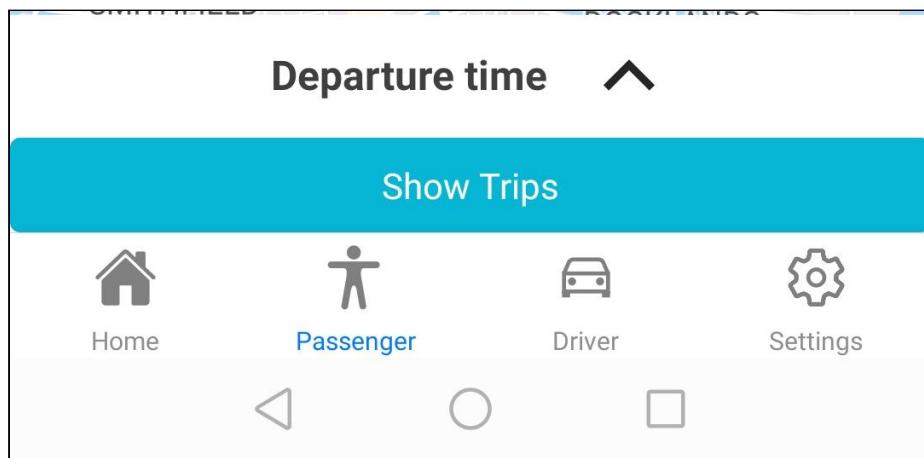
Once you have reached your destination, you can press the ‘Trip Complete’ button at the bottom of your screen to end the trip. This will end the trip for you and all passengers in your trip. You will then be returned to the original driver screen.



## Passenger

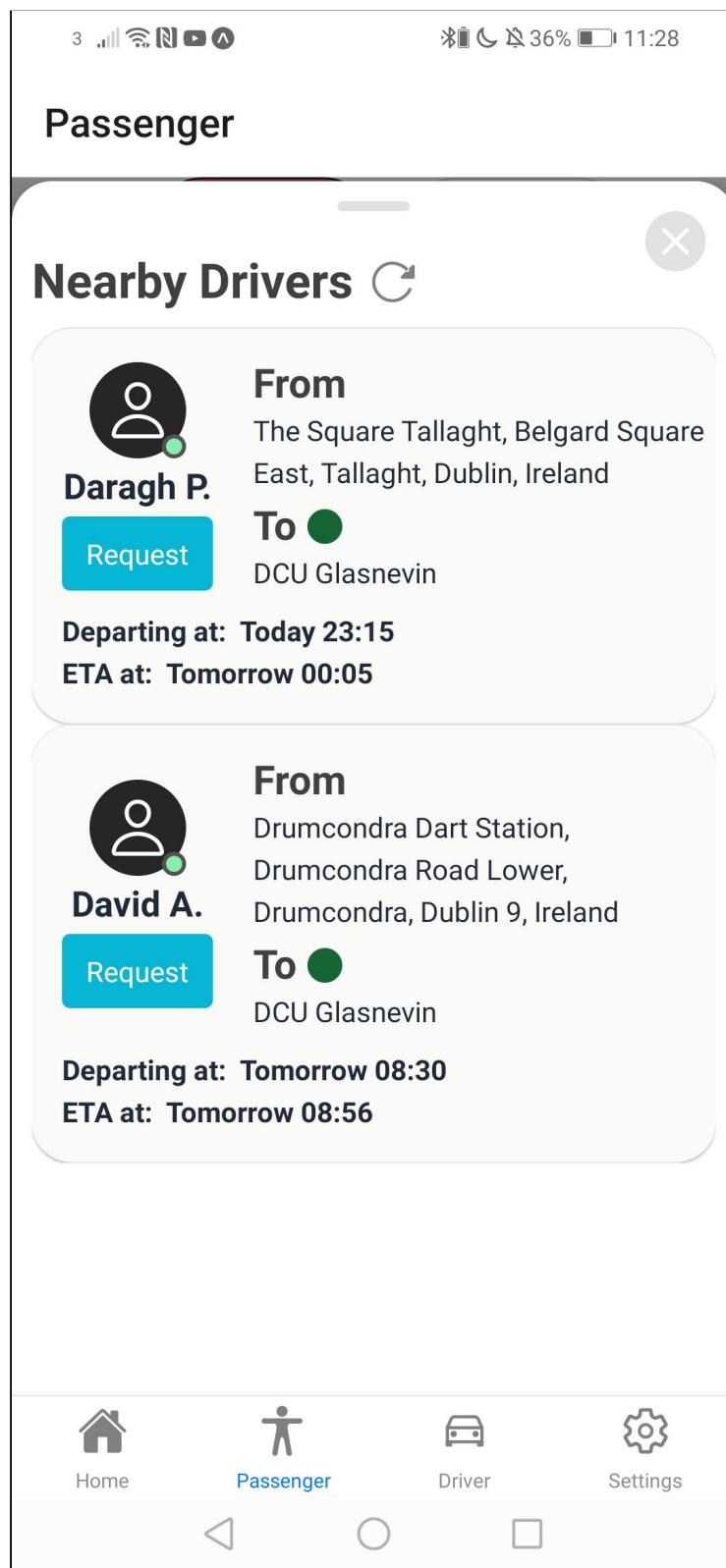
### Show available trips

Once you have entered a start and destination location as a passenger, the “Show Trips” button will appear at the bottom of your screen. You can press this button to show the list of available trips sorted by their estimated arrival time to you and the destination(s) if you were to join.



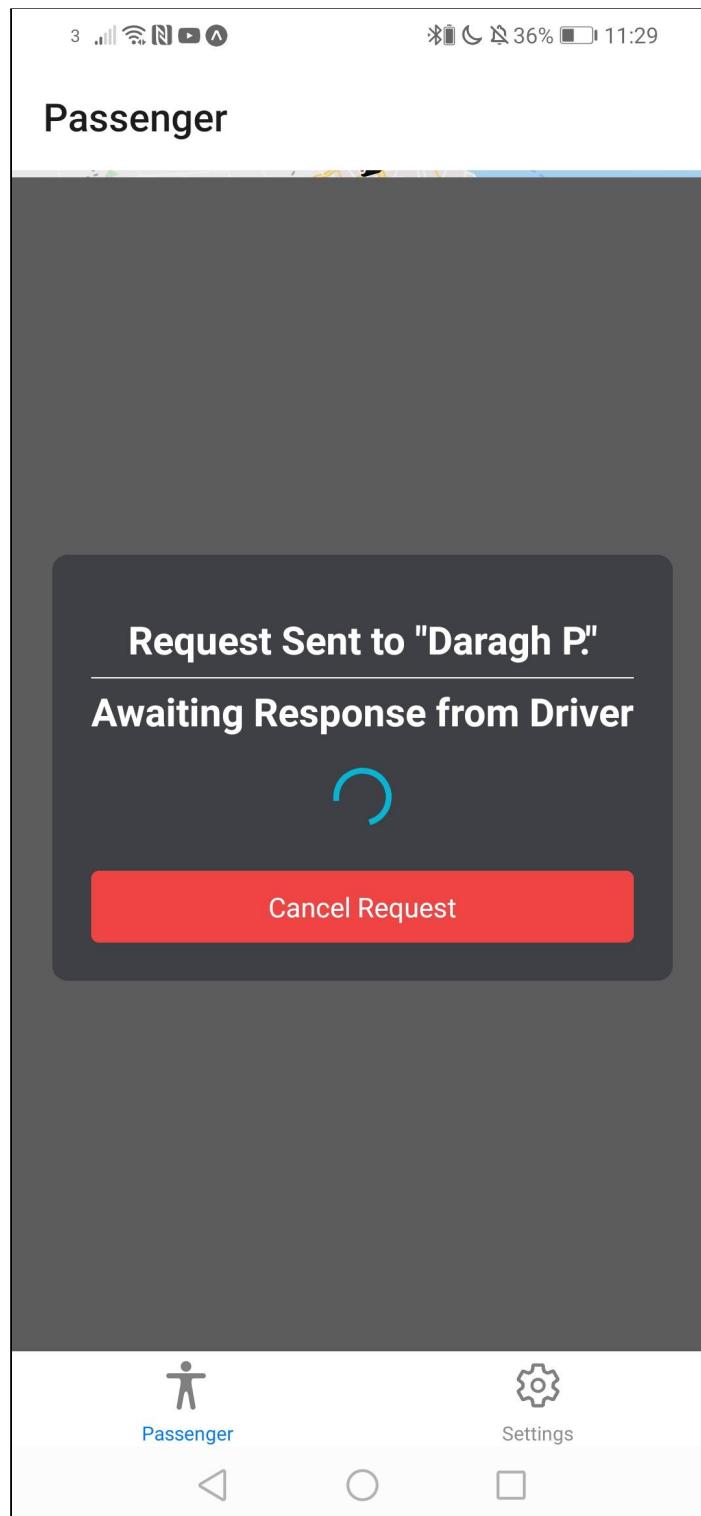
## Making trip requests

When looking at the list of available trips mentioned above, you can request any of the trips in the list by pressing the ‘Request’ button located under the driver’s profile icon. This will send a request to the driver in real-time.



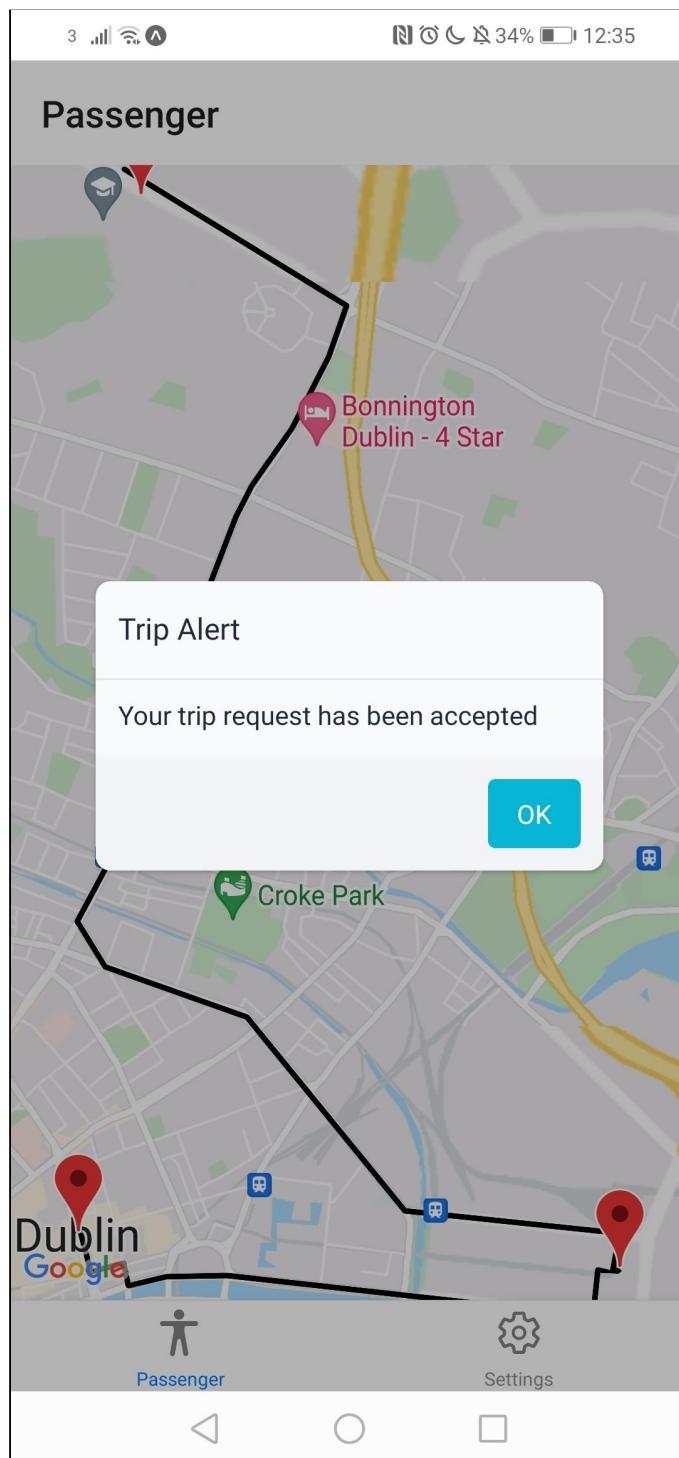
## Cancelling a trip request

To cancel your trip request while awaiting a response from the driver, simply press the 'Cancel Request' button on screen.



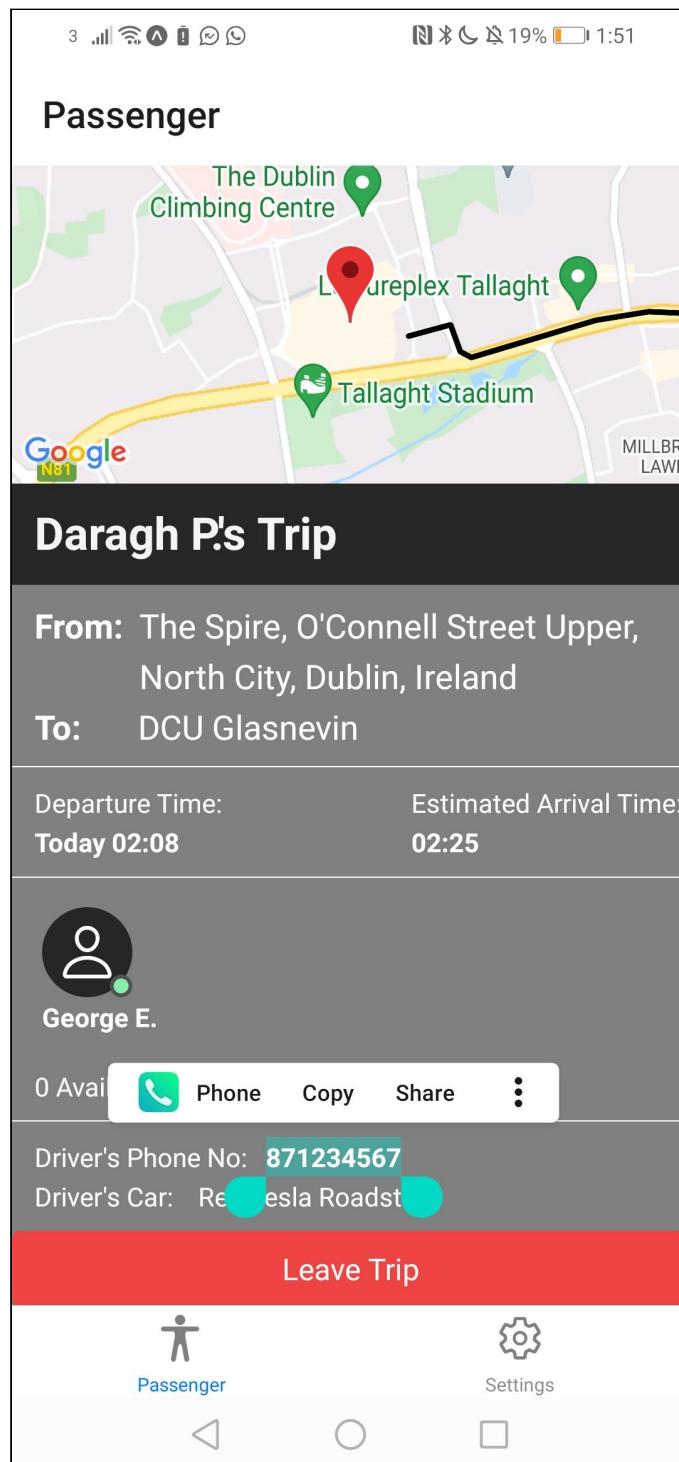
## Joining a trip

When a driver accepts your trip request, you will be shown an alert as seen in the image below. Upon clicking 'OK', you will be shown a trip screen with all your personalised trip information, including departure and ETA times, other passengers and the driver's details)



## Get driver contact details

Once you are in a trip as a passenger, you can easily contact the driver by holding down on the driver's phone number. This will give the user the option to contact the driver, as shown below.



## Leave your current trip

If you want to leave your current trip, as a passenger, you can press the red 'Leave Trip' button at the bottom of your screen. This will display an alert to confirm your decision. Pressing 'Yes' will remove you from the trip and return you to the list of available trips, where you can request another trip.

