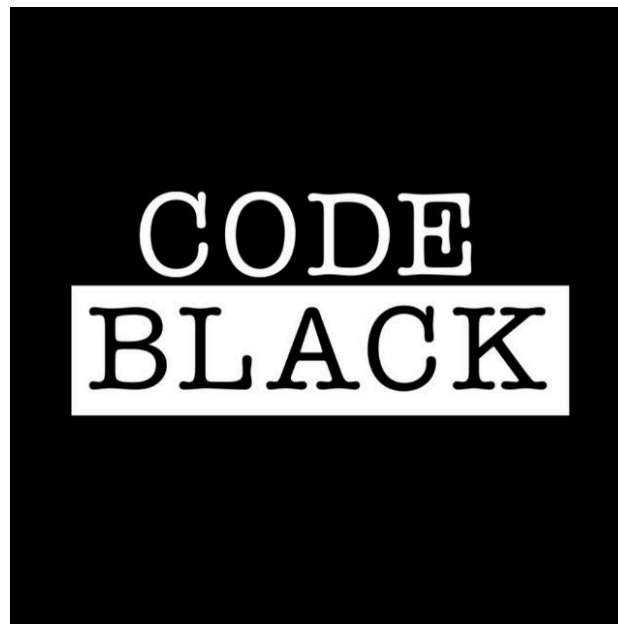


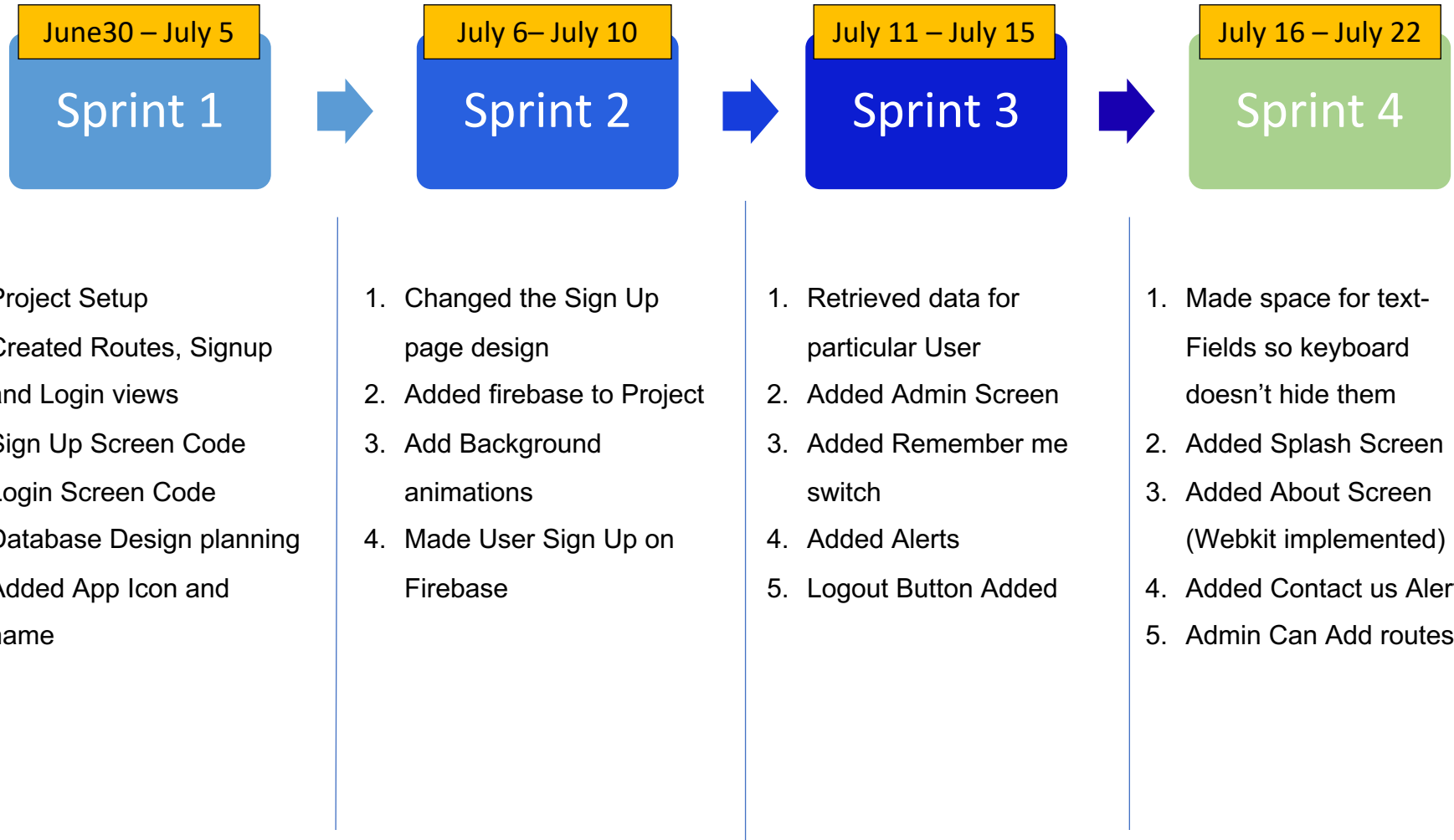
# MAD-3115 Final Project (S2019)

Code Black



Neeraj Prasher (C0751093)

# MAD-3115 Final Project Planning



# What I Learned

- Make an iOS app
- To Use Firebase Authentication
- Fetching Data From firebase Database
- Working individual on my own
- Created UI for iOS apps
- Dealing with server and local data structures at same time

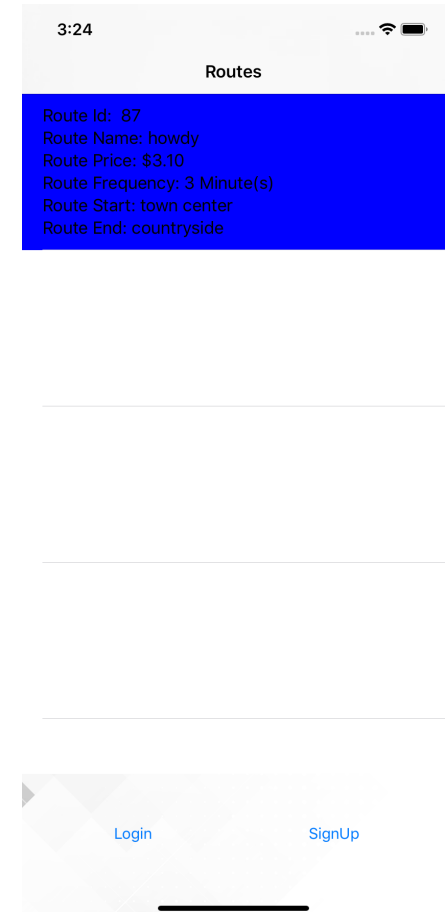
# Difficulties Faced

- Understanding View Controller Life Cycle
- Choosing how and where data will be saved
- Dealing with Firebase authentications
- Getting data out of Firebase
- Showing data in table form(as data was fetched afterwards the table was created so table was shown as empty or if I forced then null values were there)

# APPLICATION SCREENS

# Routes Screen

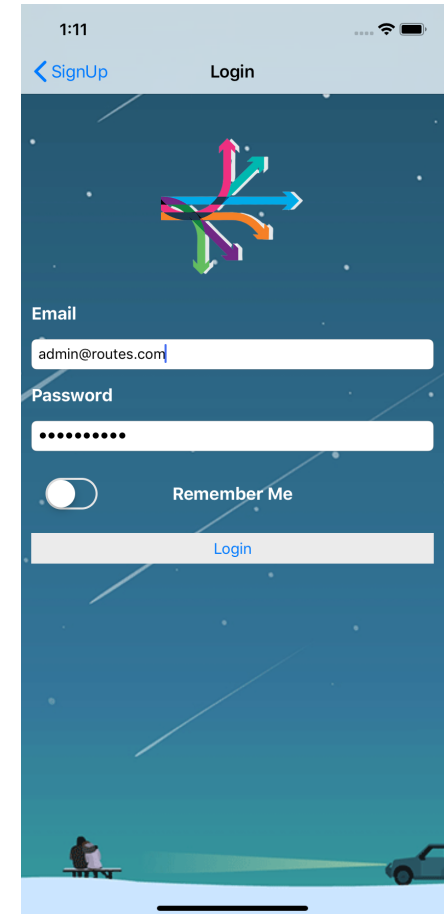
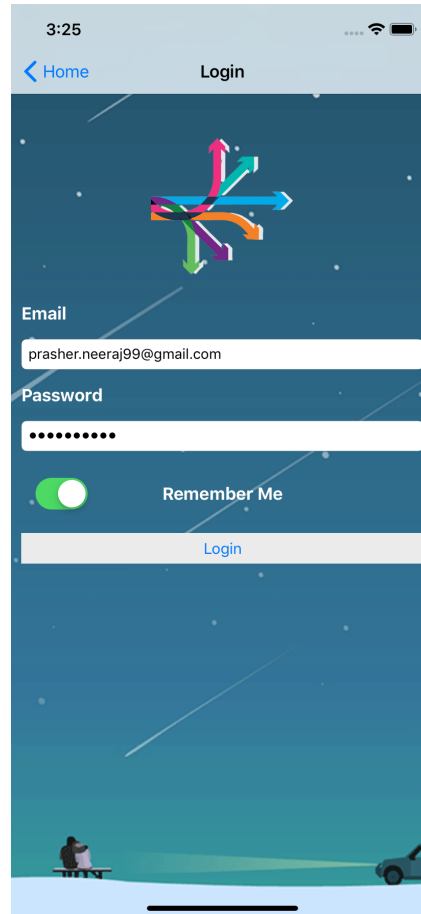
**Object Used:** UIImageView,  
UIButton, UITableView



# Login Screen

**Object Used:**  
UIImageView,  
UITextField, UISwitch,  
UILabel  
, UIButton

The Login screen requires User Email and password to log in. The values of registered users is fetched from firebase via authentication



# Sign Up Screen

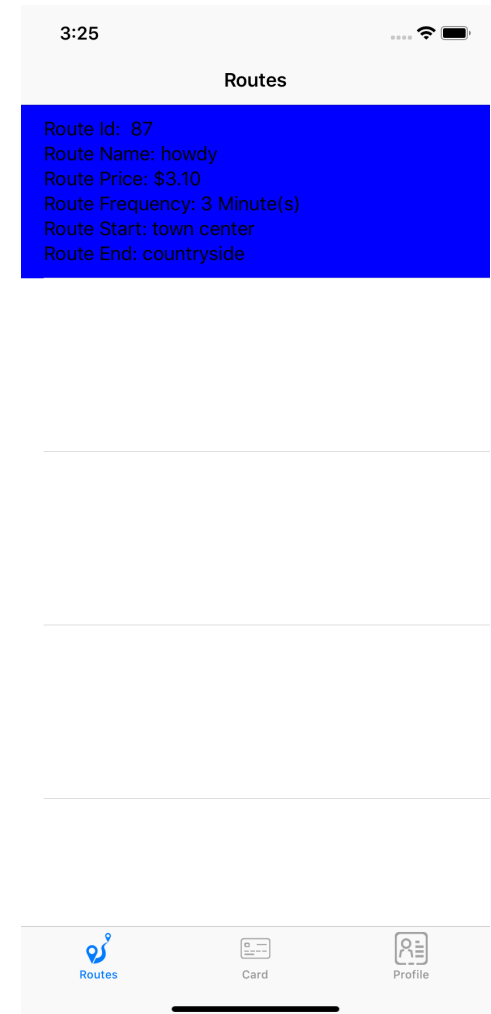
**Object Used:** UIImageView,  
UITextField, UISwitch, UILabel  
, UIButton

The image shows a mobile application sign-up screen. At the top, there is a blue header bar with a back arrow and the text '< Home' on the left, and 'SignUp' on the right. The status bar at the very top shows the time '3:25' and signal/battery icons. The main content area has a light blue background with a subtle starry pattern. It contains several text input fields, each with a label above it: 'First Name' (placeholder: 'Enter your first name here'), 'Last Name' (placeholder: 'Enter your last name here'), 'Date of Birth' (placeholder: 'Enter your date of birth here'), 'Contact' (placeholder: 'Enter your contact number here'), 'Email' (placeholder: 'Enter your email here'), 'Password' (placeholder: 'Enter your password here'), and 'Confirm Password' (placeholder: 'Please enter your password again'). At the bottom of the form is a solid blue button with the text 'SignUp'. The bottom of the screen features a decorative illustration of a person in a red suit and a small white dog, with a black horizontal line representing the home indicator.



# User Routes Screen

**Object Used:** UITextField,  
UITableView, UISwitch, UILabel



# User Card Screen



# User Profile Screen

3:25 Logout Help

Hi Neeraj, Good Afternoon

First Name Edit

Neeraj

Last Name Edit




Prasher

Contact Number Edit

2892338888

Email Edit

prasher.neeraj99@gmail.com

 Routes  Card  Profile

3:26 Logout Help

Hi Neeraj, Good Afternoon

First Name Edit

Neeraj

Last Name Edit

Prasher

Contact Number Edit

2892338888

Email Edit

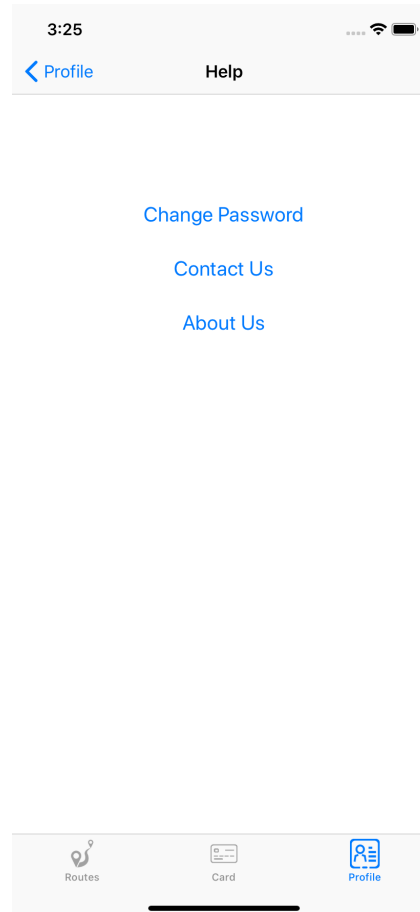
prasher.neeraj99@gmail.com

Do you want to Log Out

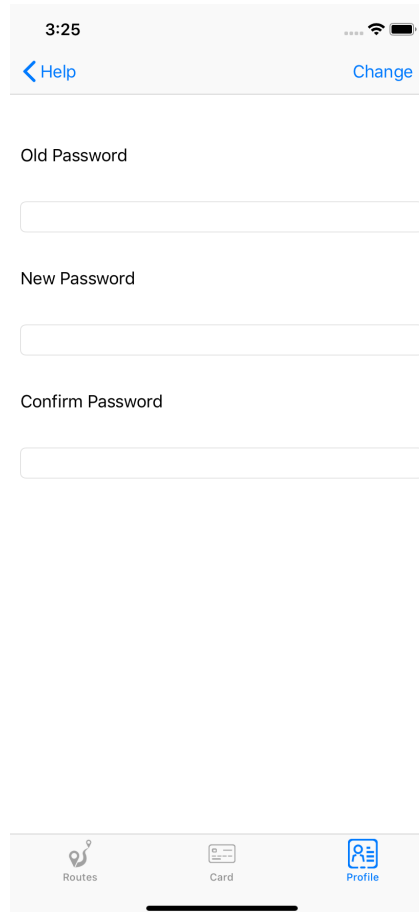
Logout

Cancel

# User Help Screen



# User Change Password Screen



A mobile app mockup for a 'User Change Password Screen'. The screen has a light gray header bar with the time '3:25' on the left, a back arrow and 'Help' link in the center, and a 'Change' link on the right. Below the header, there are three text input fields labeled 'Old Password', 'New Password', and 'Confirm Password'. At the bottom, there is a navigation bar with three icons: 'Routes' (a location pin), 'Card' (a document with a checkmark), and 'Profile' (a person icon). The 'Profile' icon is highlighted with a blue background.

3:25

[< Help](#) [Change](#)

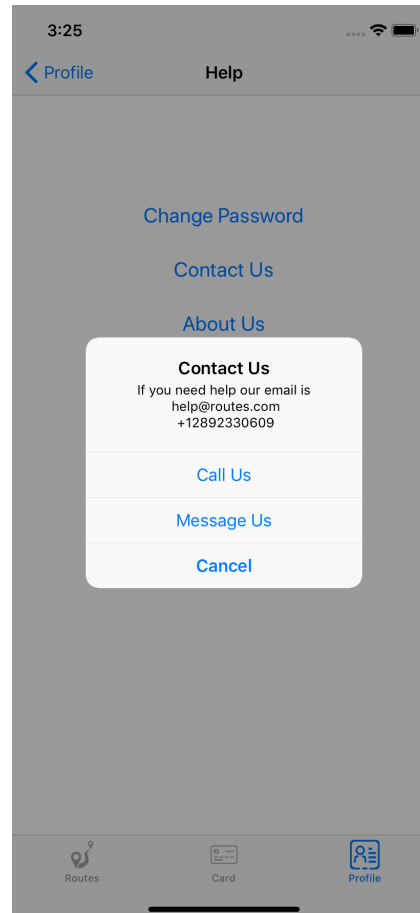
Old Password

New Password

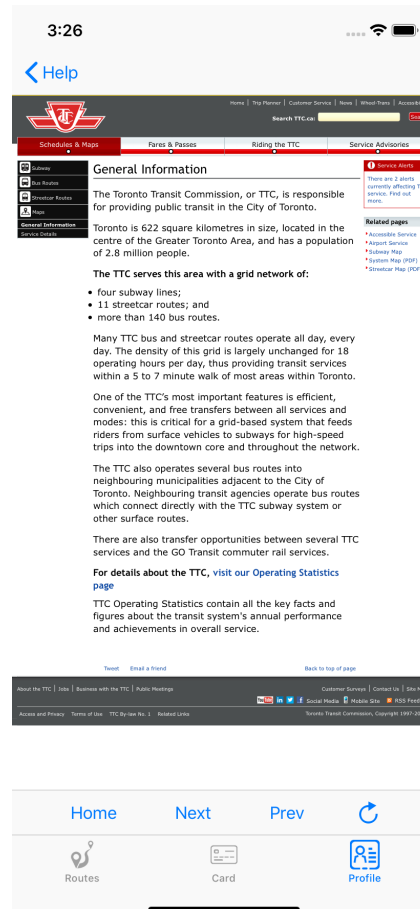
Confirm Password

Routes Card Profile

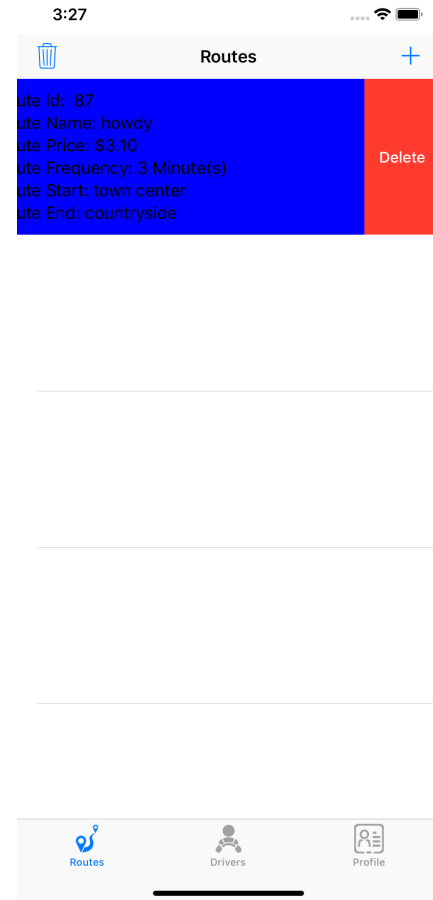
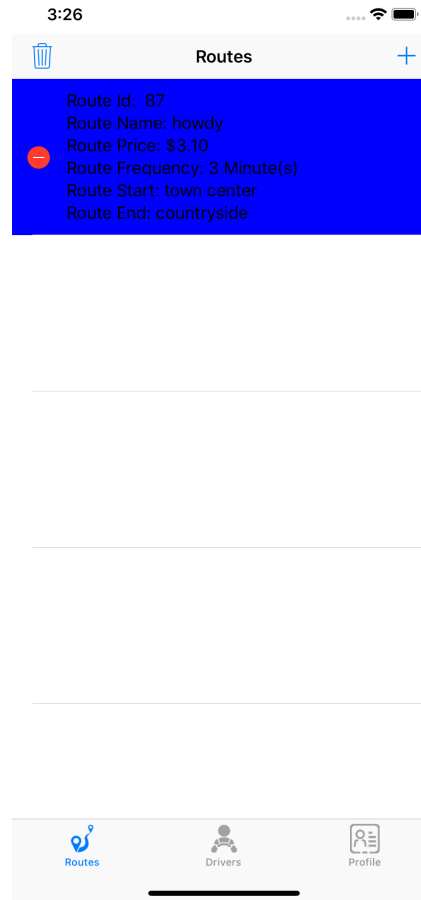
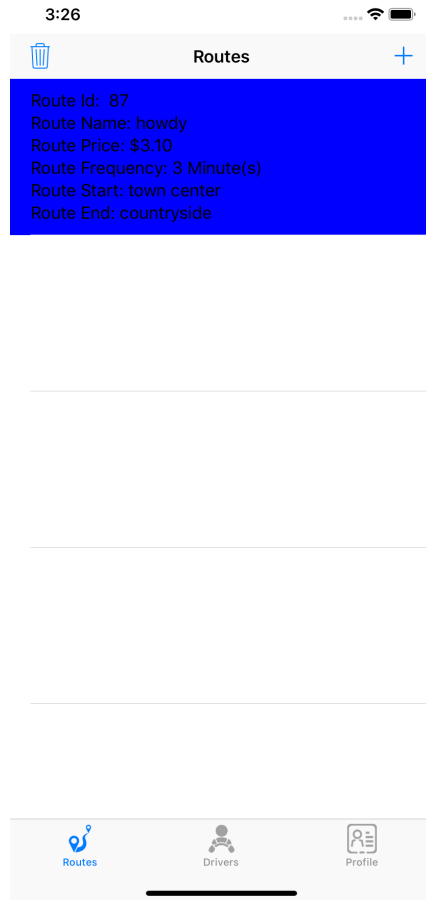
# User About Alert Pop Up



# User About Us Screen



# Admin Routes Screen





# Admin Add Routes Screen

3:27

Cancel Add Route Save

Route ID

Route Name

Route Frequency

Route Color

Red Blue Green Yellow Orange

Route Price

2.5 2.75 3.1 4.4 8.4

Route Start

Route End

3:27

Cancel Add Route Save

Route ID

Route Name

Route Frequency

Route Color

Red Blue Green Yellow Orange

Route Price

2.5 2.75 3.1 4.4 8.4

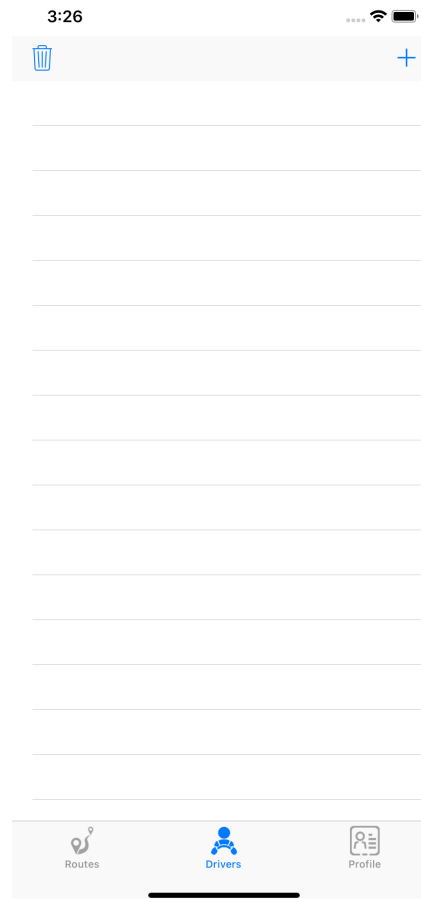
Route Start

Route End

Do you want to save this?

Cancel Save

# Admin Drivers Screen



# Admin Profile Screen



# References

- <https://firebase.google.com/docs/database/ios/read-and-write>
- [https://www.ttc.ca/Routes/General\\_Information/General\\_Information.jsp](https://www.ttc.ca/Routes/General_Information/General_Information.jsp)
- <https://www.andrewcbancroft.com/2015/12/18/working-with-unwind-segues-programmatically-in-swift/>
- <https://stackoverflow.com/questions/30516970/error-invalid-update-invalid-number-of-rows-in-section-0-attempting-to-delete>
- <https://www.andrewcbancroft.com/2015/12/18/working-with-unwind-segues-programmatically-in-swift/>
- <https://www.appsdissected.com/unwind-segues-storyboard/>
- <https://www.ioscreator.com/tutorials/delete-rows-table-view-ios-tutorial-ios12>
- <https://developer.apple.com/documentation/uikit/uiBarButtonItem/systemitem>
- <https://developer.apple.com/documentation/messageui/mfmessagecomposeviewcontroller>