
Trip Planner

Verification Steps

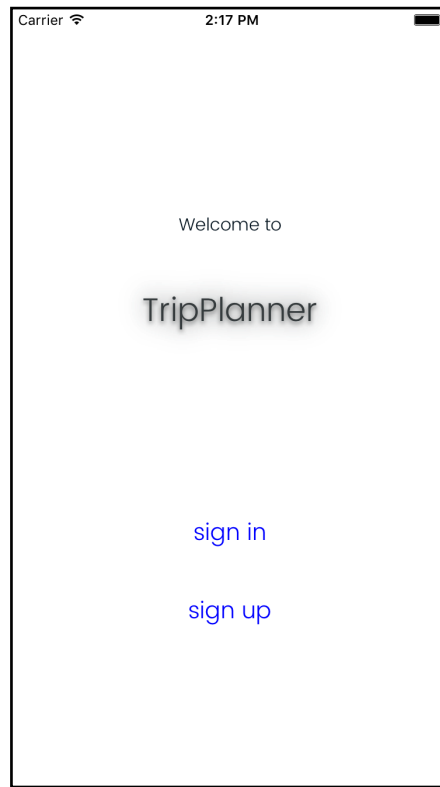
Nikita Rodin - March 6, 2016



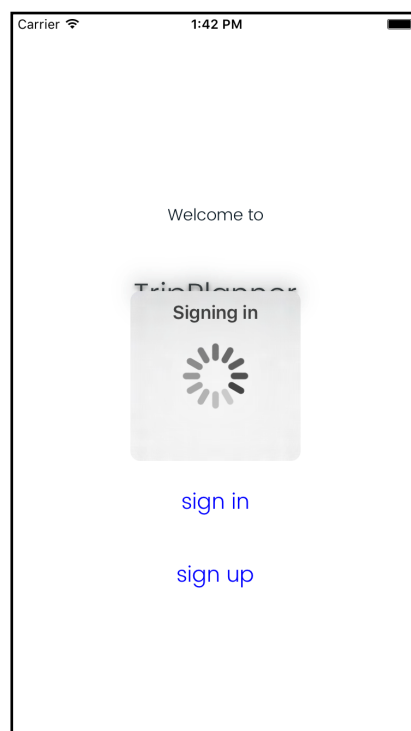
TripPlanner

Verification Guide

Landing screen



You can 'sign in' or 'sign up'. If you've previously logged in, application will store credentials for you and auto-sign in:



Sign up screen

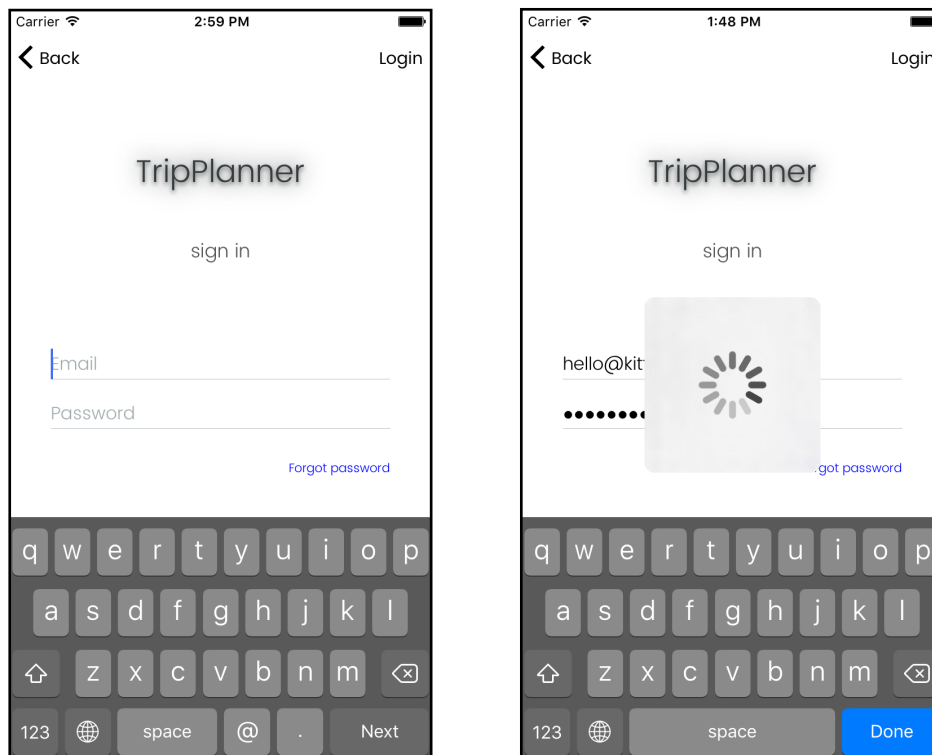
You can sign up by providing Full Name, Email and Password. All fields are validated (name can't be empty, email must be valid and password must be not less than 8 characters).

The image displays four sequential screenshots of the 'TripPlanner' sign-up screen, illustrating validation errors. Each screen features a 'Back' button, a 'Create' button, and three input fields: 'Full Name', 'Email', and 'Password'. The background is a light gray with the 'TripPlanner' logo and 'sign up' text.

- Screenshot 1 (1:45 PM):** The initial state with all fields empty.
- Screenshot 2 (1:46 PM):** An error message 'Please enter valid email' appears over the 'Email' field, which contains 'asdf'.
- Screenshot 3 (1:46 PM):** An error message 'Password must be at least 8 characters' appears over the 'Password' field, which contains 'test'.
- Screenshot 4 (1:47 PM):** An error message 'Please provide valid values for outlined fields' appears over the 'Full Name' field, which contains 'test'.

After creating your account you will be logged in.

Sign in screen



Fields are similarly validated as in Sign-up screen (except password can be less than 8 characters)

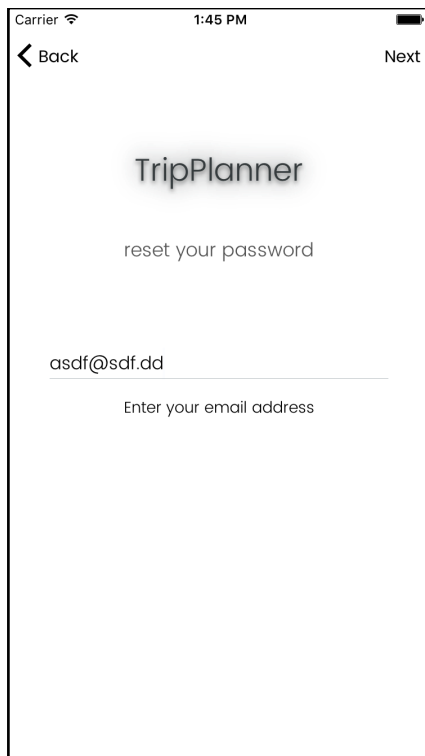
If you are using the pre-configured Firebase app, you can use following credentials to access test users with different roles:

User: baka@asdf.dd/asdfasdf
Manager: man@g.er/manager1
Admin: hello@kitty.cute/admin123

The difference between roles is discussed further below, but for now login as User. Additionally on this screen you can ask to reset your password.

Reset password screen

You can generate a temporary password to access your account. Note that old password will still work after reset. The new password will be sent to your email.



Hello!

It looks like you've forgotten your password.

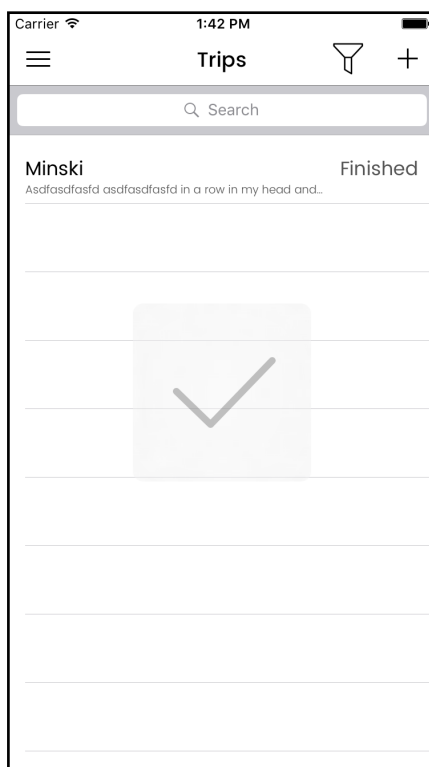
Use the following temporary password within the next 24 hours to log in and update your account: T2n9QLH7HZtyAbFP

Thanks!

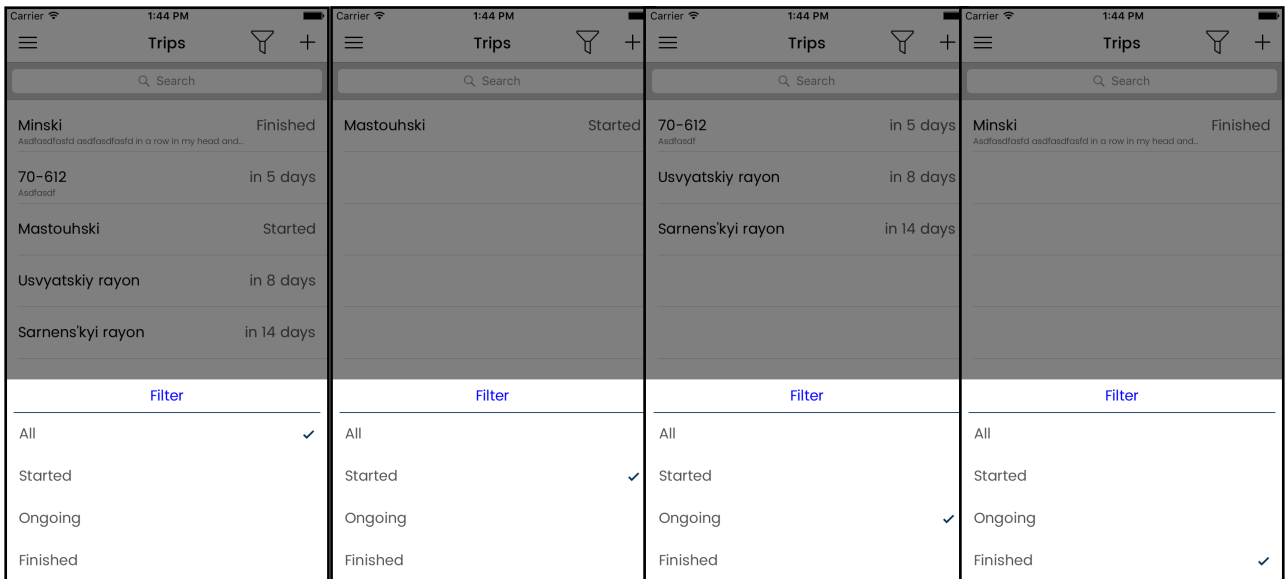
-- Powered by Firebase, <https://www.firebase.com> --

Trips screen

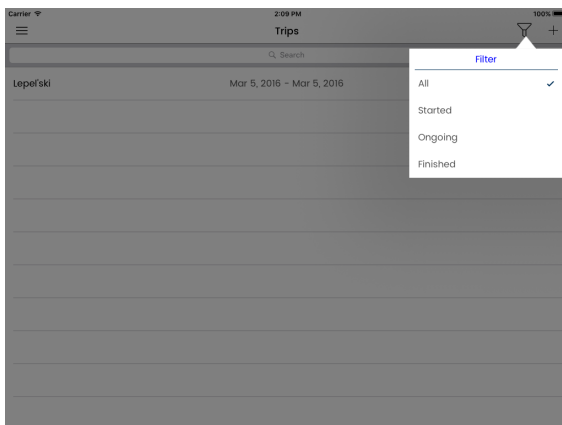
You will get there initially after login. On an iPad the screen looks a bit differently. You can see the trip destination name, comment, and trip status (and also dates on iPad).



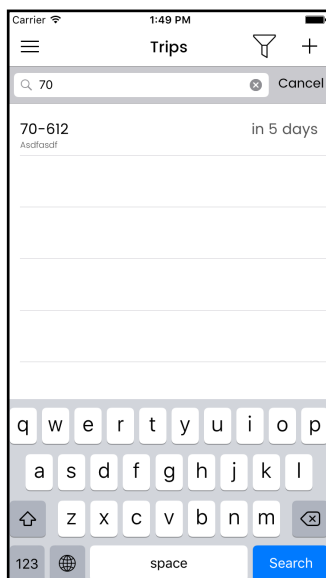
You can filter displayed trips by status (tap the filter icon on top right):



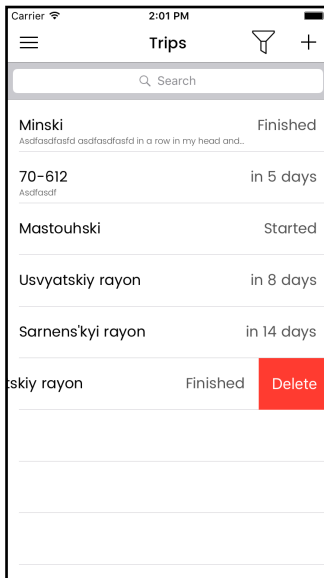
On iPad the filter is displayed in a popover:



You can also use search (only destination names are looked up):

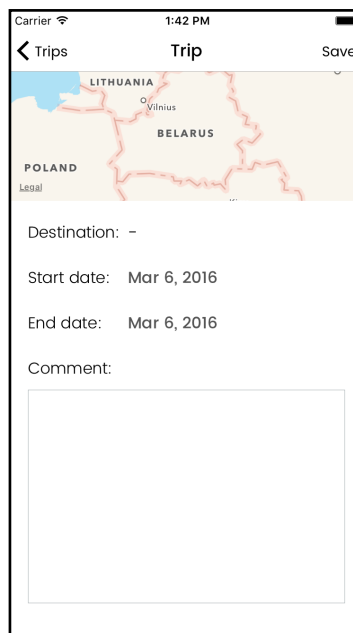


You can also delete trips via swipe-to-delete:



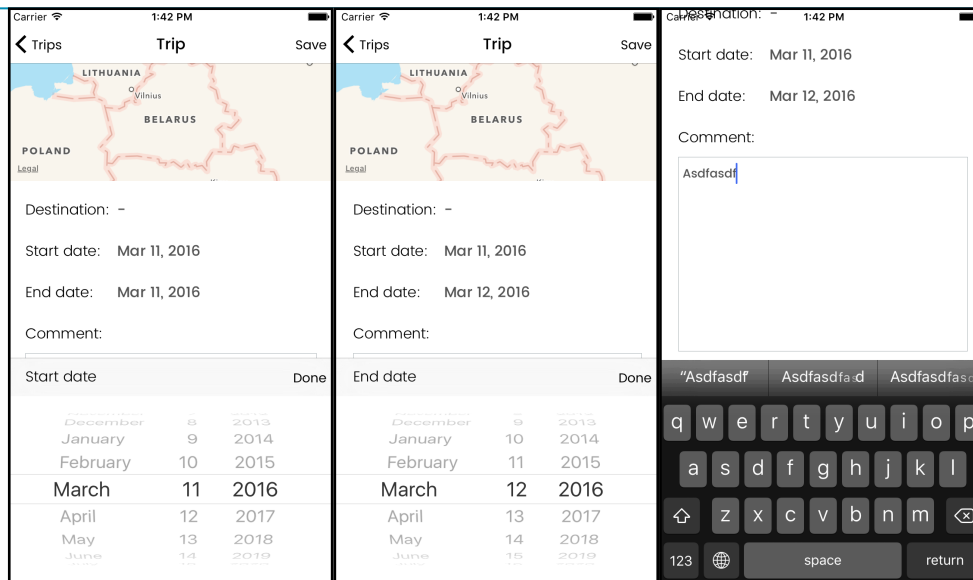
Tapping '+' button at top right will open create trip screen, you can also select a row to edit an existing trip.

Trip details screen

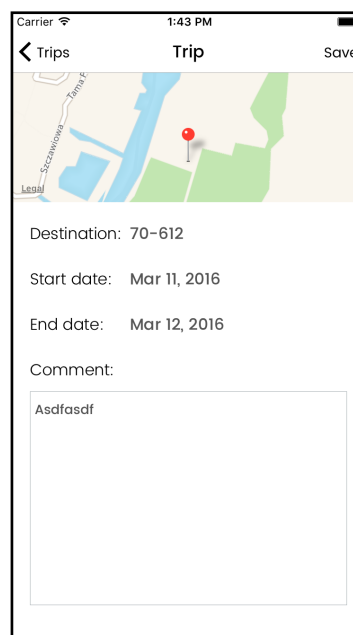


This screen is used for creating or editing trips.

Tap on date value to change it, you can also add a comment in the text view:

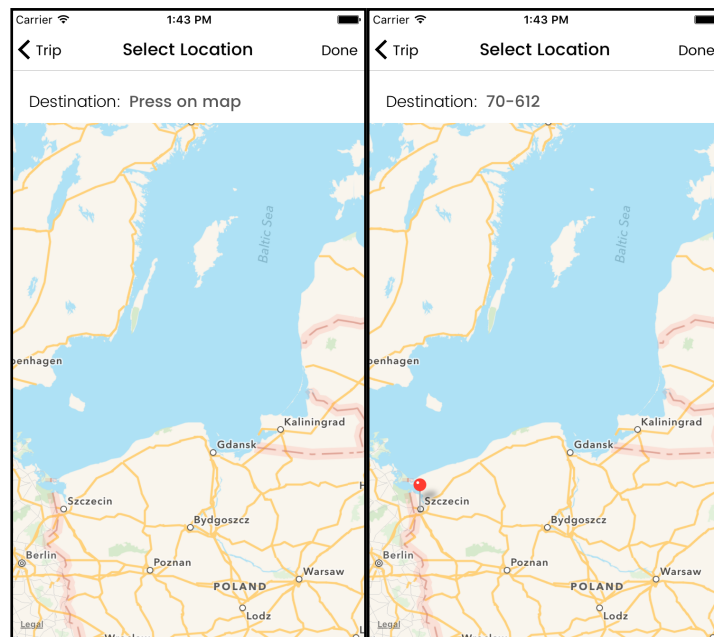


Tapping on map or destination will navigate to location selection screen. After selected it will look like that:



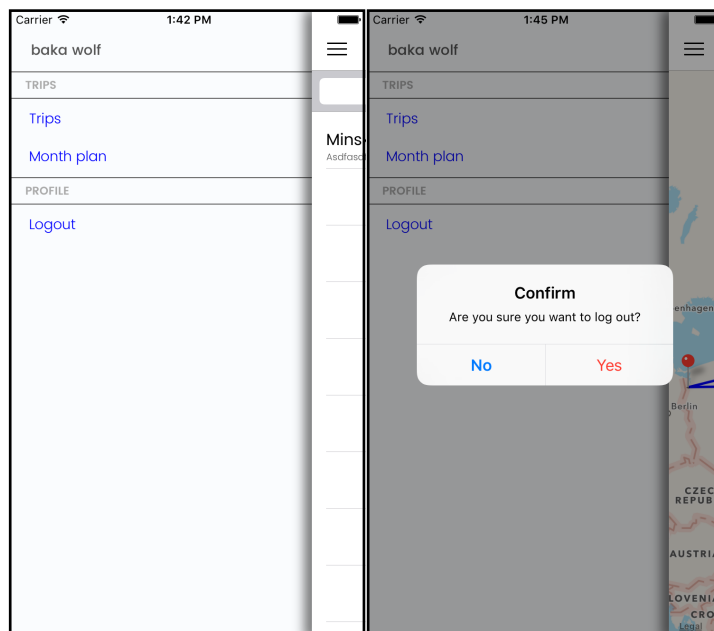
Location selection screen

Press on a location and hold a bit to drop a pin. The app will geocode the location name for you. Tap 'Done' to save selection.



Menu

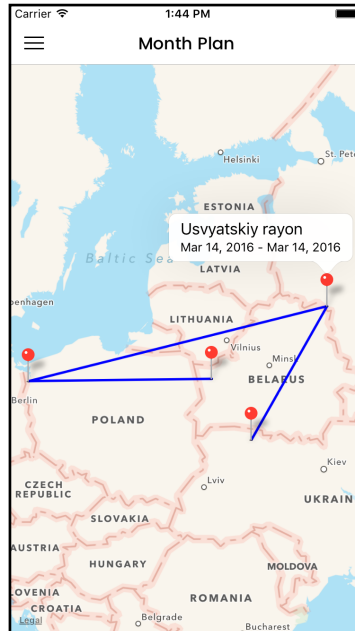
Return to the Trips screen. Tap the top left button or drag from left side. You will see the app menu:



As a User, you can only view your trips, month plan and logout (shown above).

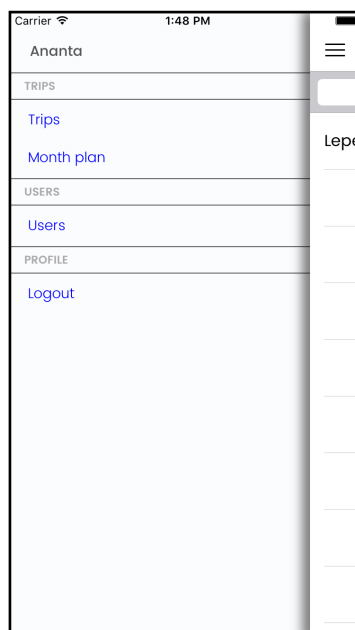
Month plan screen

This screen contains all trips starting during the next 30 days. The path is connected according to the trips order (by start date). You tap on a pin to can see the details.



Admin Menu

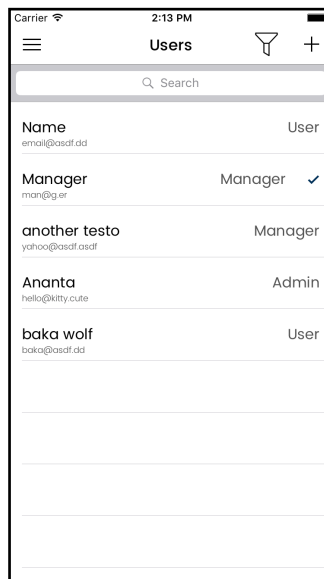
Log out and sign in as Admin, you will see another option in your menu:



Manager also has this menu available, but has some restrictions described further below.

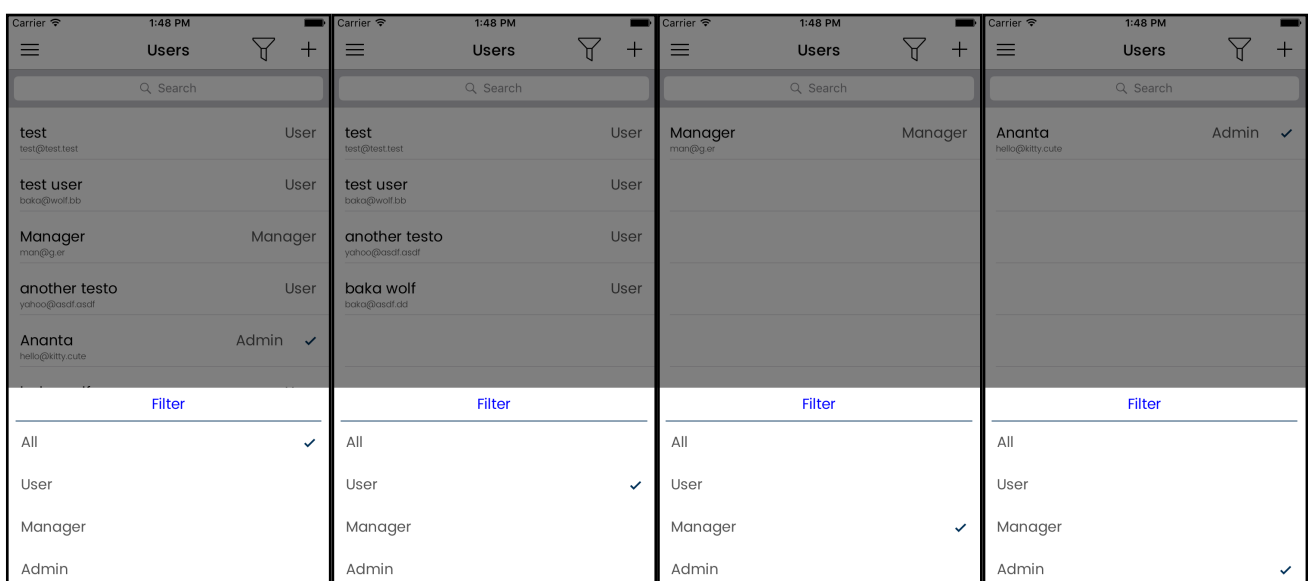
Users screen

You can view and edit users on this screen if you have Admin or Manager permissions. The user whose trips are displayed in the app is marked with checkmark.

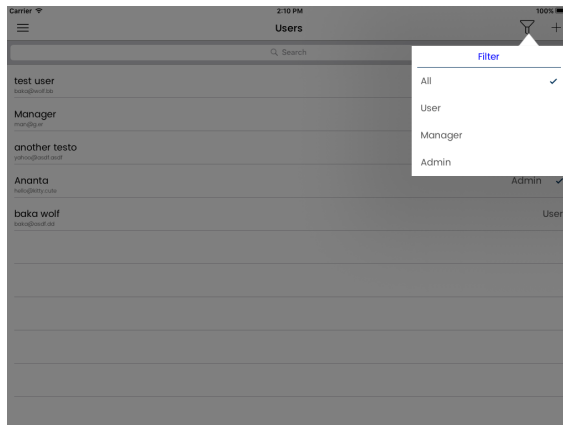


You can see the user name, email, and user role.

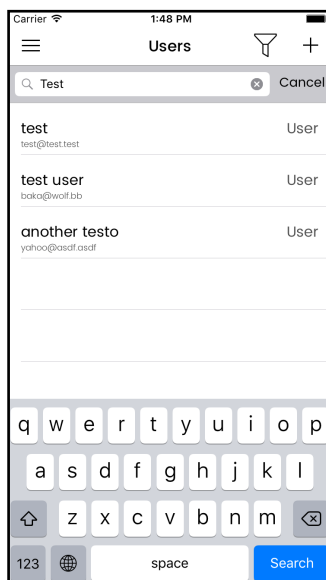
You can filter displayed users by role (tap the filter icon on top right):



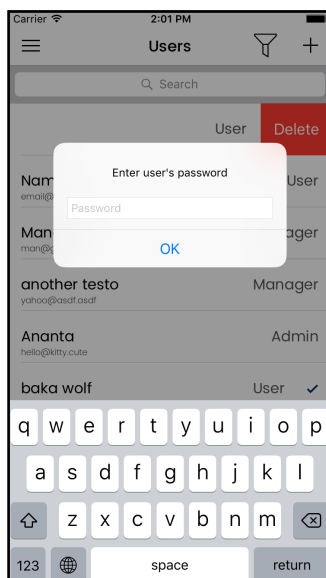
On iPad the filter is displayed in a popover:



You can also use search (across names and emails):



You can also delete users via swipe-to-delete:



Note that you will have to know the user password to delete a user (that's a known Firebase limitation discussed here: <https://github.com/firebase/angularfire/issues/530>)

Tapping '+' button at top right will open create user screen, you can also select a row to edit an existing user.

User details screen

The image shows two screenshots of the 'User details screen'. The left screenshot is titled 'User' and shows a form for creating a new user. It has fields for 'Full Name' (baka wolf), 'Email' (baka@asdf.dd), 'Password' (represented by dots), 'Role' (set to User), and a toggle for 'View user trips' which is currently off. The right screenshot is also titled 'User' but shows the 'Edit User' form. It has the same fields, but the 'View user trips' toggle is now on.

This screen is used for creating or editing users.

If you have Admin permissions you can select to view and edit any user's trips:

The image shows three screenshots of the application. The first screenshot is the 'User' details screen. The second screenshot shows the 'Users' list screen, which has a search bar and a list of users. The third screenshot shows the 'Trips' list screen, which has a search bar and a list of trips.

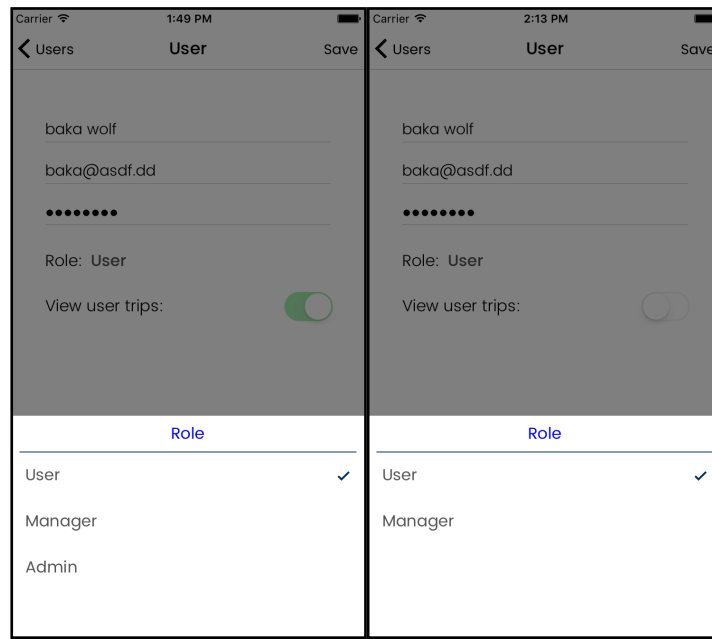
User	Role
test	User
test user	User
Manager	Manager
another testo	User
Ananta	Admin
baka wolf	User

Location	Status
Minski	Finished
70-612	in 5 days
Mastouhski	Started
Usvyatskiy rayon	in 8 days
Sarnens'kiy rayon	in 14 days

Creating user has similar validations as Sign Up screen.

When editing an existing user, you can only change his name & role.

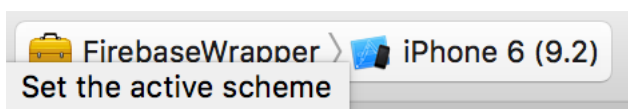
Admin can select any role, Manager can only select User & Manager roles and can't change role of an Admin.



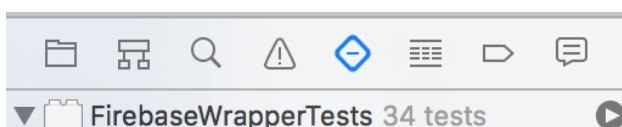
REST API wrapper tests

I've provided a wrapper for the Firebase REST API (which is intended for server side backends, not clients) which can perform similar operations with trips and users as the main app (except the auth).

In order to run the test suite select FirebaseWrapper target:



Then in the project navigator select tests tab and run the suite:



All tests should pass:

