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**GitHub Username:** fit-aleks

## Walk With Me

### Description

This app collects number of steps and your location perform during your day.

All data is automatically synced to the cloud so it is always available on all of your devices. You can choose to share all this info with your friends, your family or your fitness trainer so they always know how many kilometers you passed today and where you have been.

### Intended User

My users are wide variety of people! Families can use it during trips to show an approximate path of their travel routes. It also can be used by sportsmen to share fitness info with their trainers. Also it is just fun to compete with your friends who walks more!

## Features

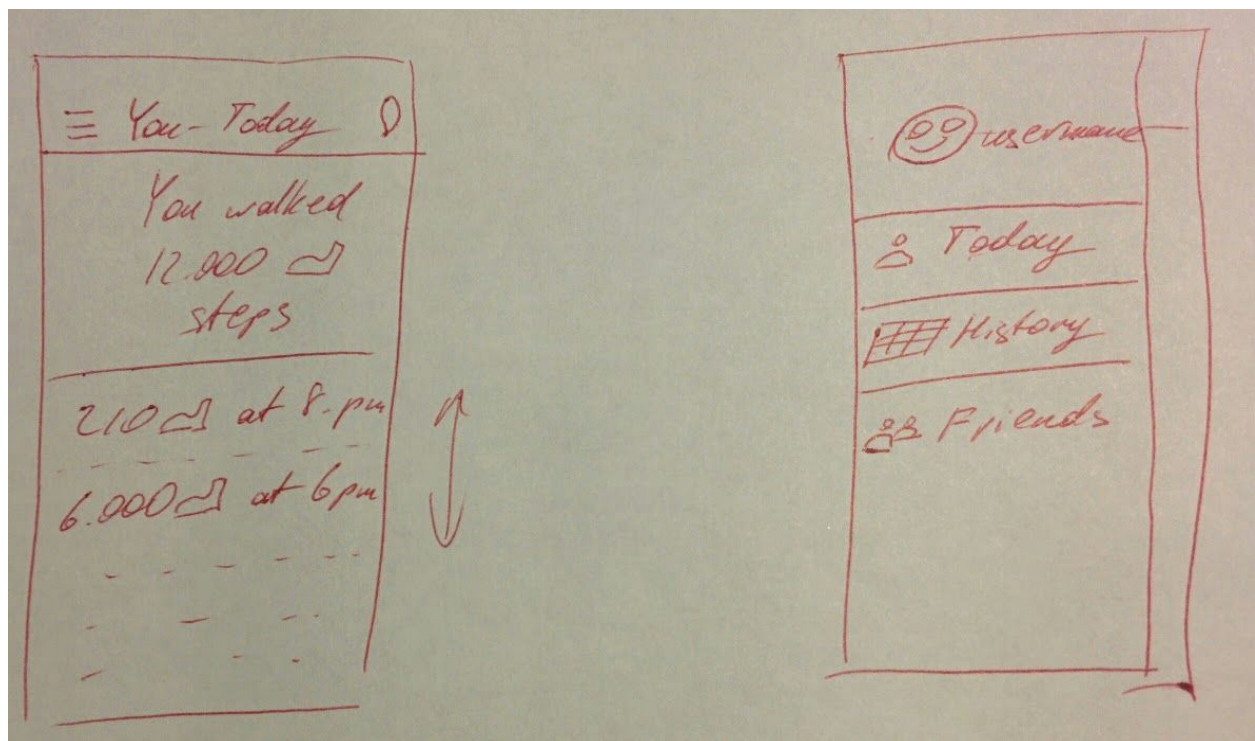
List the main features of your app. For example:

- Saves information to the cloud
- Saves location of physical activity

## User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

### Screen 1

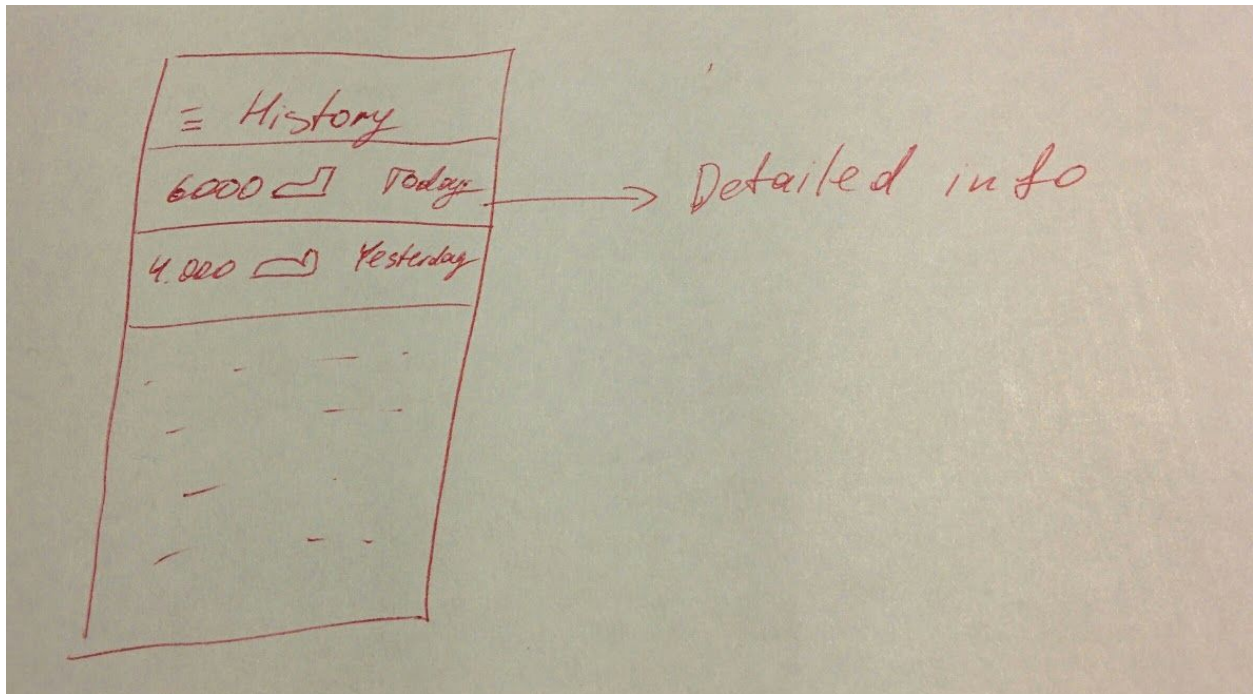


It's start screen with navigation view.

Here user always see his today's information including summary number of steps and history of his walks during the day. Icon in the appbar follows user to Screen 5 with his walk showed on a map.

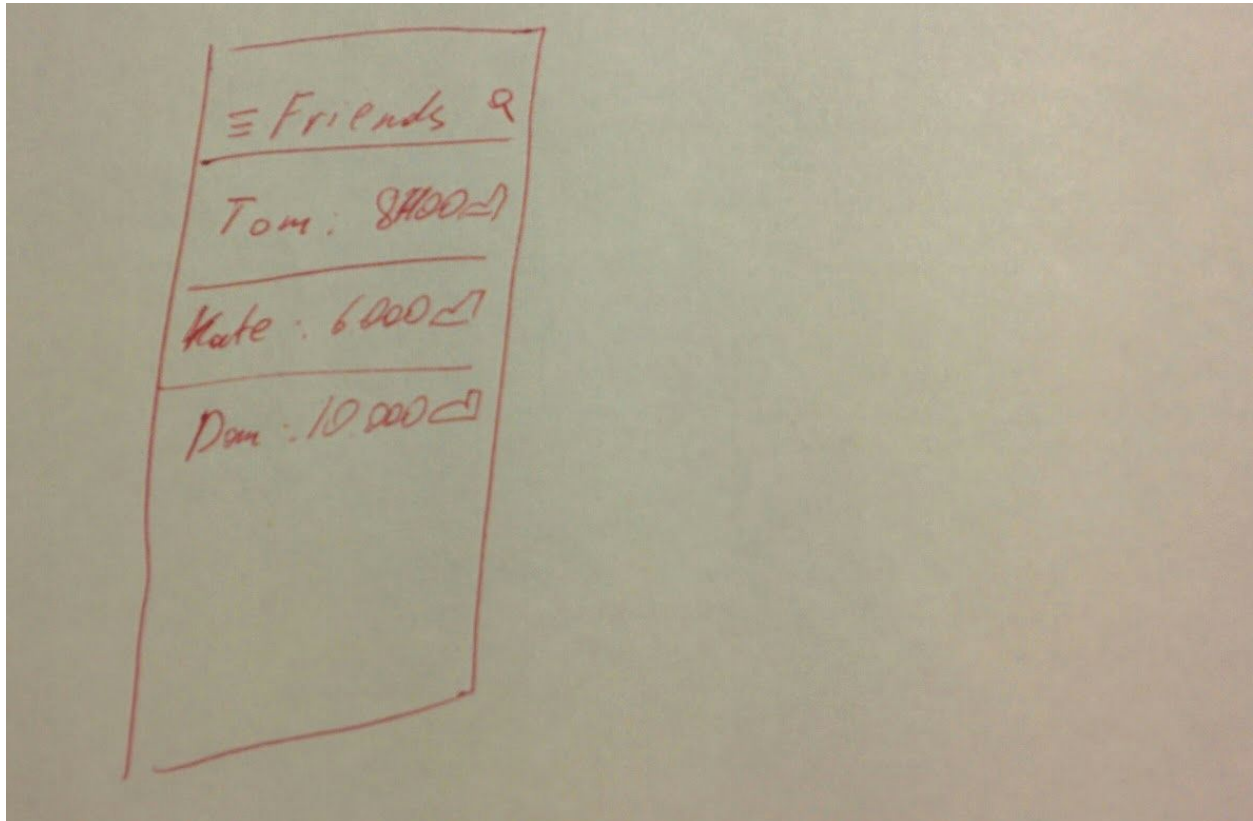
From navigation view user can choose to change setting in his profile by tapping on the top space of navigation view, or move to other screens.

## Screen 2



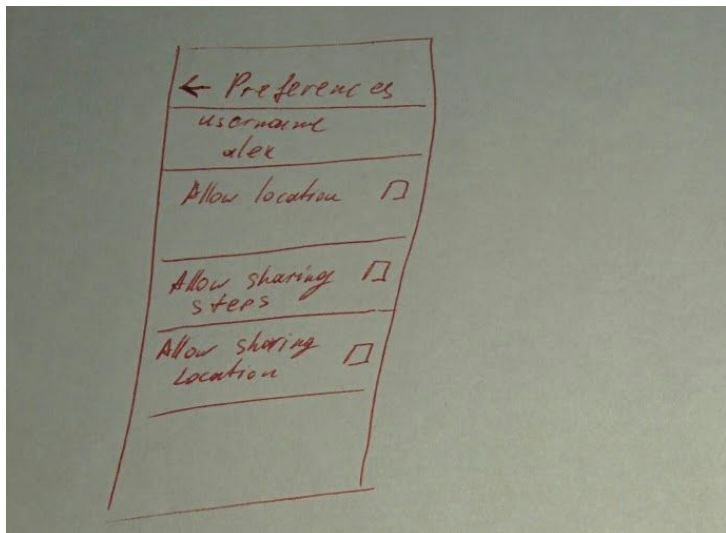
Screen with all history of this user. Tapping on each element follows user to the Screen similar to the first but with info from the selected date.

### Screen 3



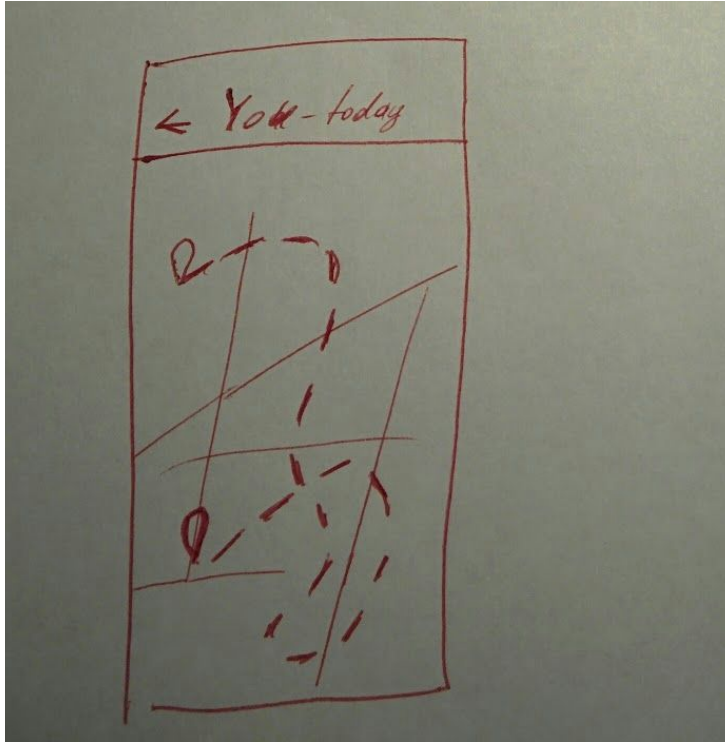
Screen with personal results of all my friends.

### Screen 4



Preferences screen. Here user can choose username if he didn't have a one already. And select which info does he want to share.

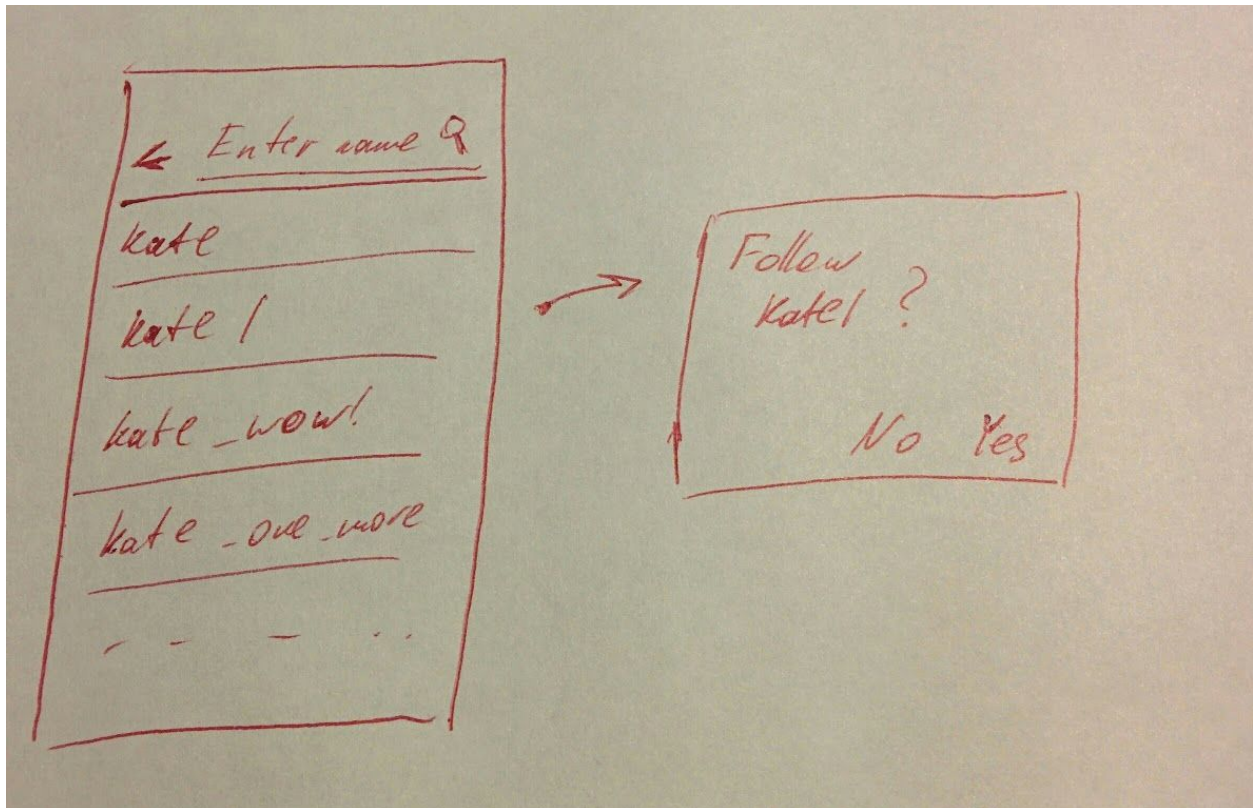
## Screen 5



Map activity. Shows path user walks during the day.



## Screen 6



Here user can enter nickname of his friend, server will search for all variants and user will see all variants. Tapping on user name shows dialog with confirmation to add this user to list of followers.

## Key Considerations

How will your app handle data persistence?

I will build Content Provider for storing data on my phone and save it to the cloud. For cloud storage I decided to use Firebase.

Describe any corner cases in the UX.

I am going to use standard navigation drawer.

**Describe any libraries you'll be using and share your reasoning for including them.**

I'll use Firebase as a cloud storage for saving and retrieving information. Firebase provides free and fast cloud database. I haven't ever used it before, so it's rather interesting.

AppCompat - for using RecyclerView and vector drawables.

Butterknife - to simplify code.

LeakCanary - to detect memory leaks as soon as possible and to prevent them.

PlayServices - show ads.

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

### Task 1: Project Setup

- Configure libraries
- Build main screen UI with navigation view
- Attach step counter sensor

### Task 2: Configuring backend

- Configure Firebase
- Develop authorisation
- Save data to cloud

### Task 3: Implement UI for Each Activity and Fragment

- Fetching data from Firebase and saving to local database
- Displaying history data in list

### Task 4: Show user path at GoogleMap

- Get acquainted with Google Map API needed to show path

### Task 5: Add ads

- Select appropriate places and insert ads to the app

### Task 6: Configure build tasks

- Prepare all build scripts
- Prepare two versions of the app - paid and free. Paid will not contain ads.