

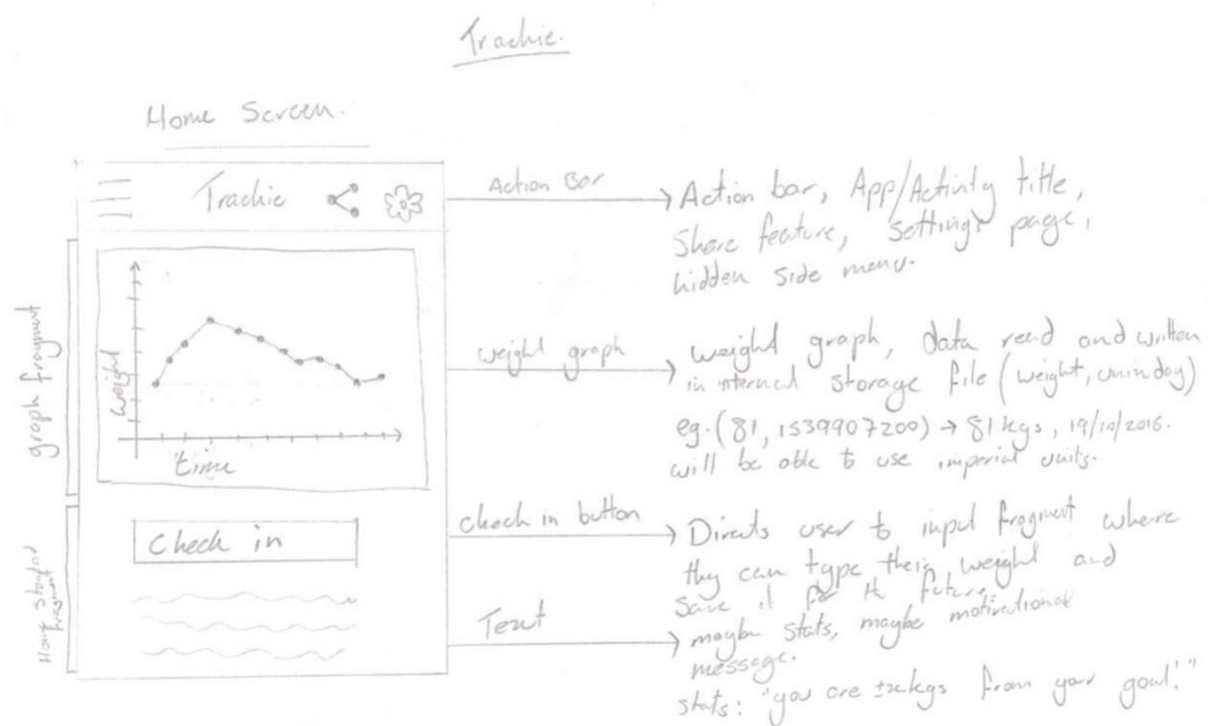
Software Development for Mobile Devices 7.3D

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Trackie Sketches

I drew most of my sketches by hand in an a5 sketchbook I have, this was easier than using a prototype tool for me as I was easily able to erase and change around the design as my thought process changed. Initially I wanted this to be a relatively simple app basically just tracking weight and calories but as my view for a more cohesive feature rich app grew I realised what a complex task this is likely to be.

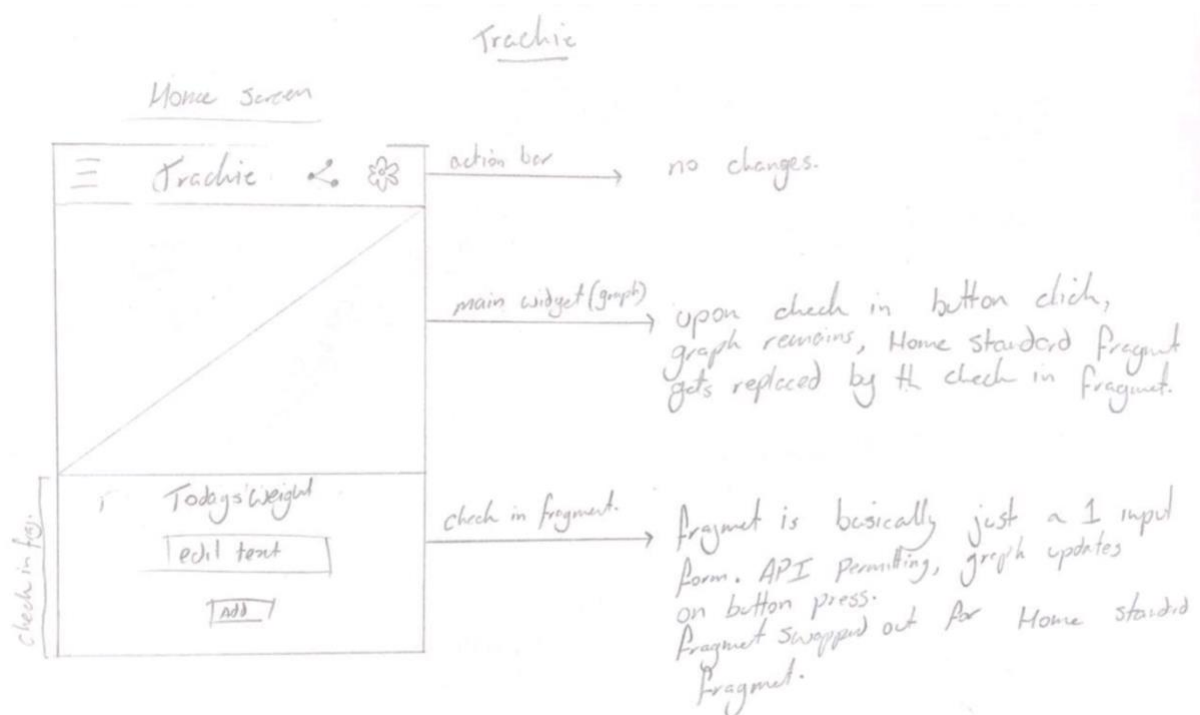
Home Screen



As my target user doesn't exactly want to spend a large amount of time in this app, I made all the important information and features readily available on this screen.

It is split into two fragments, a graph and a lower half fragment which at the moment has a check in button and some stats on how the user is tracking.

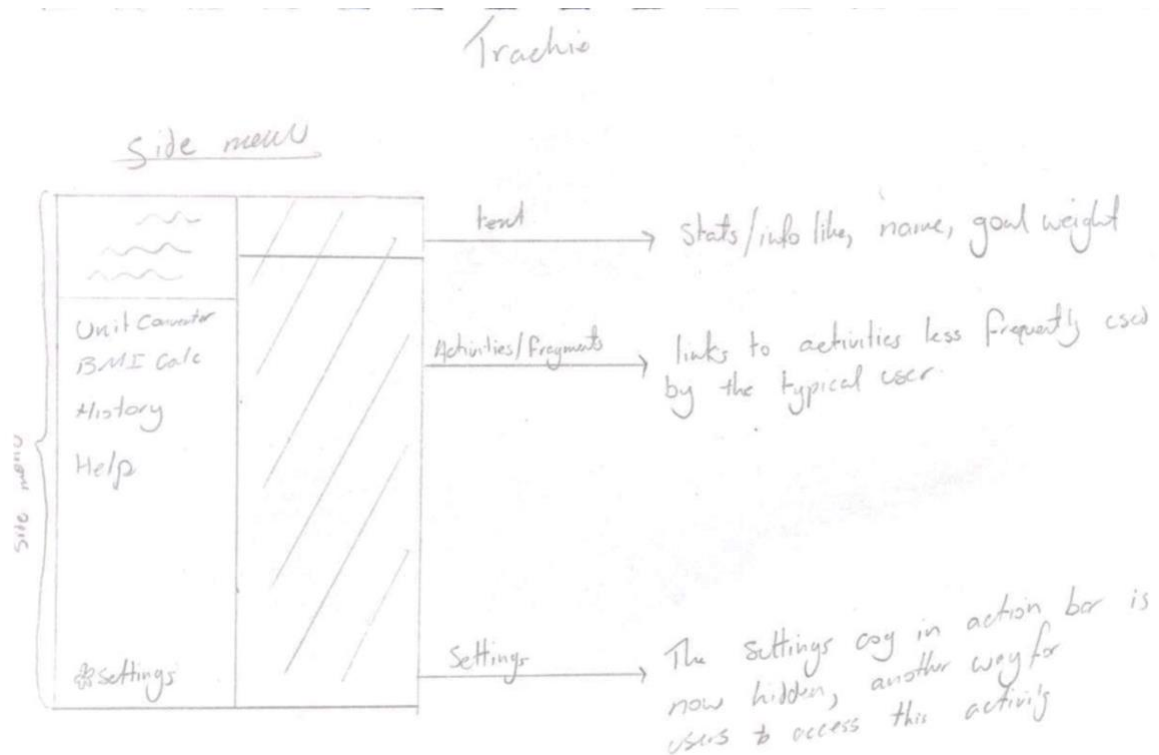
Check in Fragment



Keeping the graph on the screen is very important to me as ideally, I want the user to immediately see the change they're making to the graph hopefully instilling some motivation in them.

As mentioned before I wanted user's interaction with this app to be almost transactional, once loaded the user can input their daily weight in 3 clicks without changing activity. This was the core idea behind the app.

Side Menu



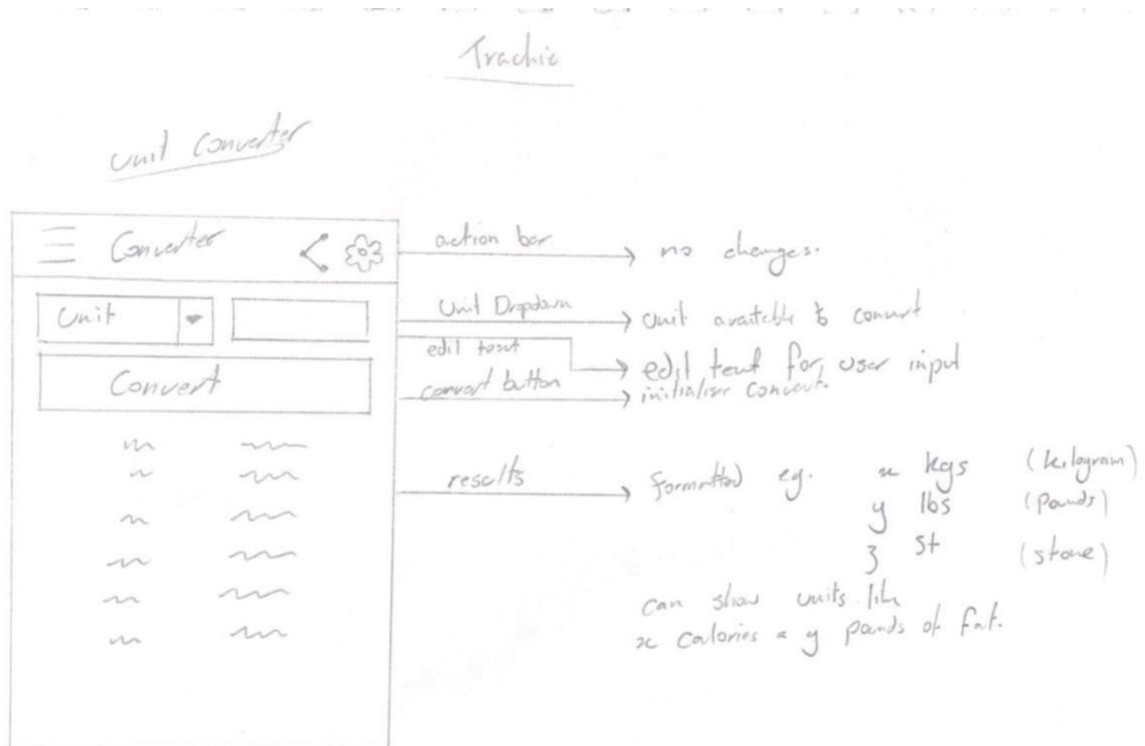
The side menu is just for navigation across the other activities, there's actually not a huge amount there.

There's a short section at the top which will display the user's goal weight and how they're tracking towards that.

Listed in the side menu is:

- Unit Converter
- BMI Calculator
- History
- Help (Changed to About)
- Settings

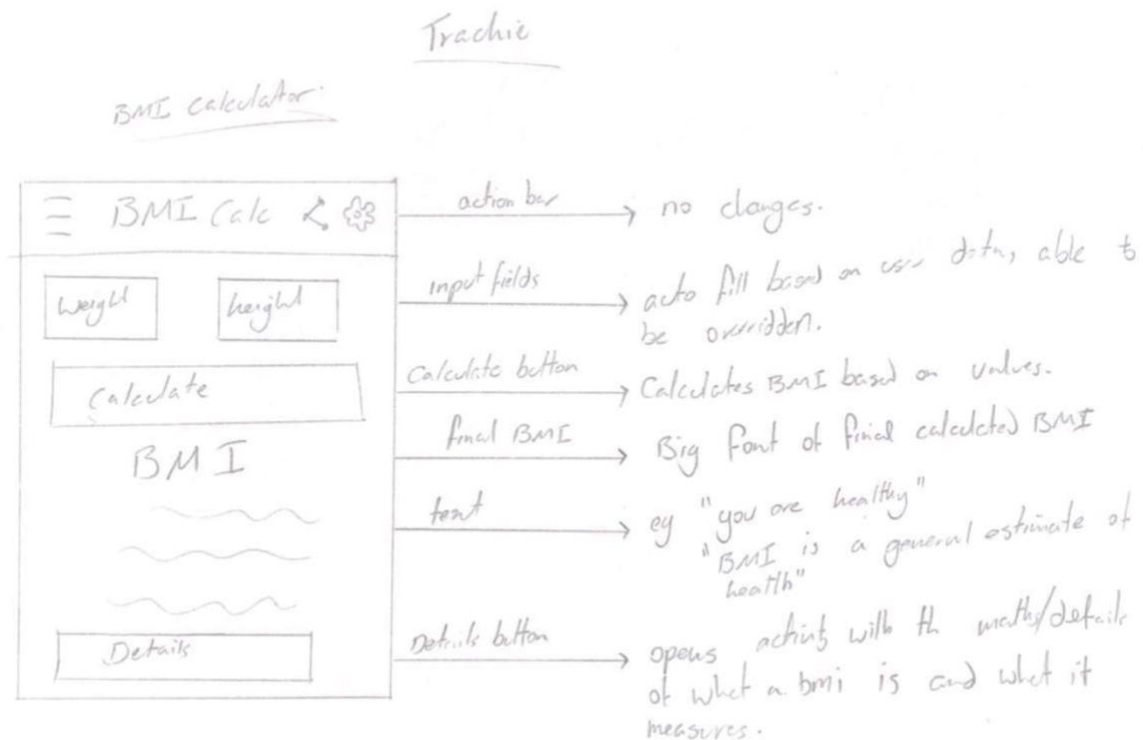
Unit Converter



Of all the activities this one for me is the one I'm not 100% sure how to display. There are many types of possible conversions to place in here but I'm hesitant to just make this one message activity with lots of values. I thought about doing conversions such as (x calories = y pound of fat) and things like that back when this app was more of a calorie and weight tracker.

I'm keen to see how this activity actually pans out.

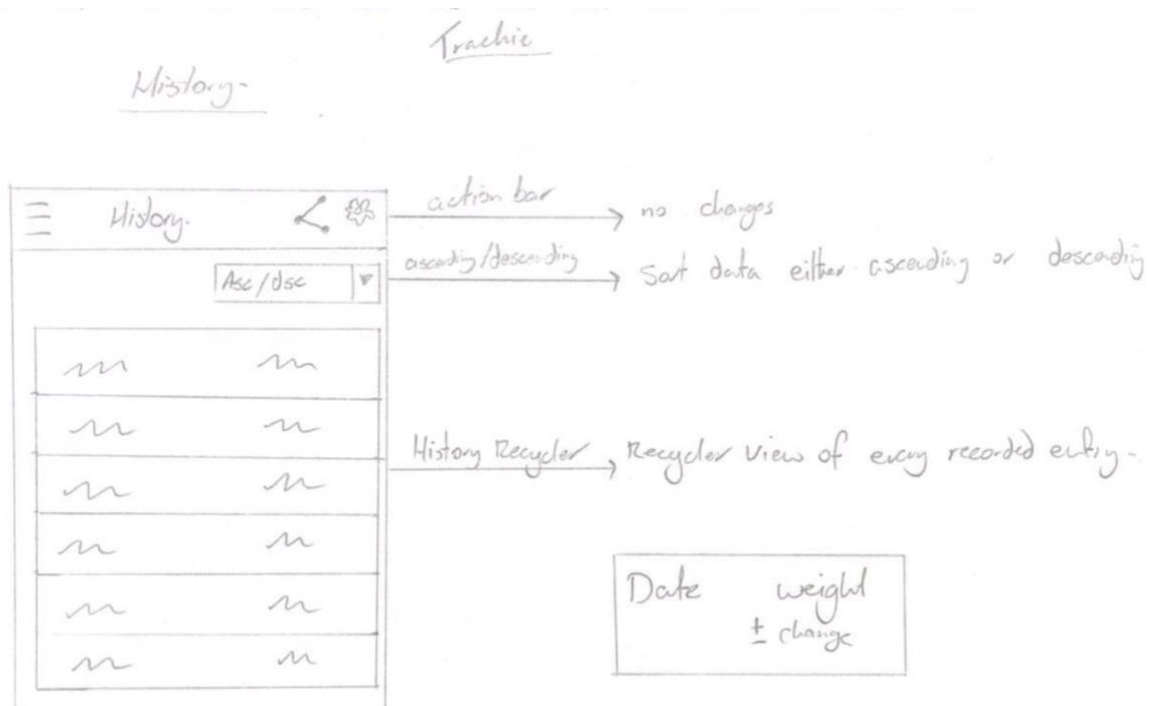
BMI Calculator



This activity will do a simple BMI Calculation with the user's data previously entered. It is possible to override the prefilled editText views but I figured the majority of the time will be the user wondering about themselves.

As BMI isn't an incredibly figure to rely on I thought a nice little details activity would be nice to inform the user on what a BMI is, how it works and the categories (overweight, healthy etc.) This wasn't sketched however but It will be almost identical to the About activity not yet mentioned.

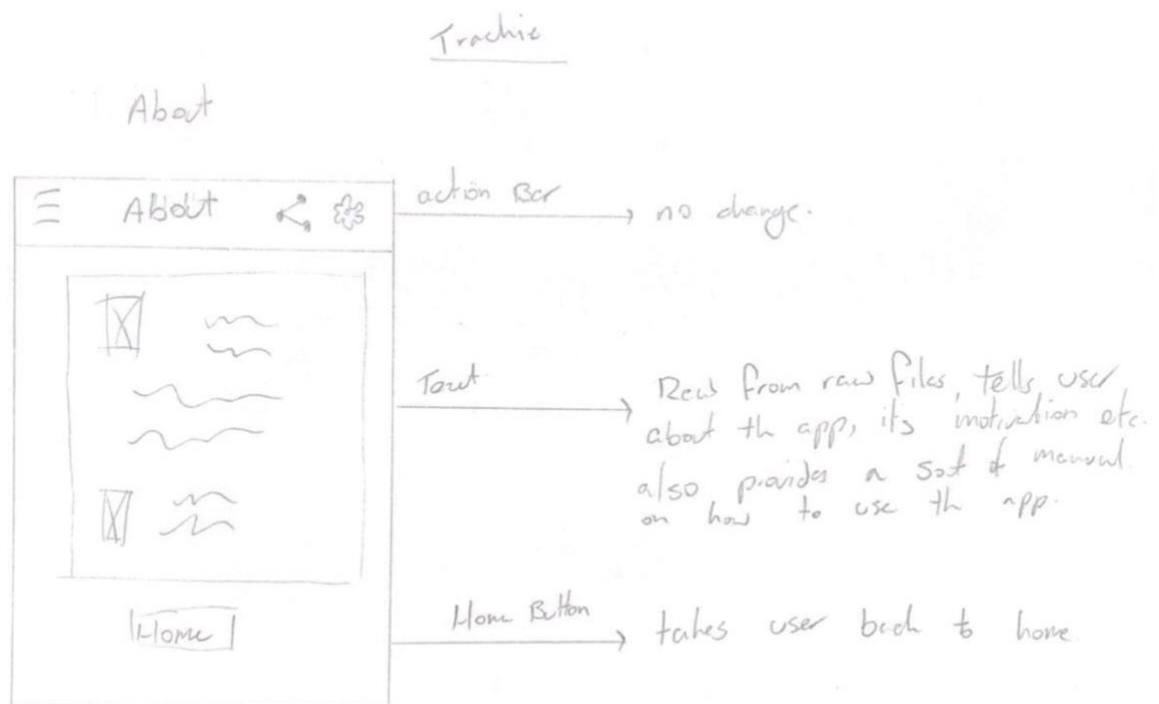
History



This activity will function very similar to the generate table fragment in the Sun Time Calculator app. It's basically a table of all previously added values.

I figured that I might limit the graph on the main screen to a set amount (1 month, 6 months for example) and that it would be a good idea for the user to see every single entry on the same page.

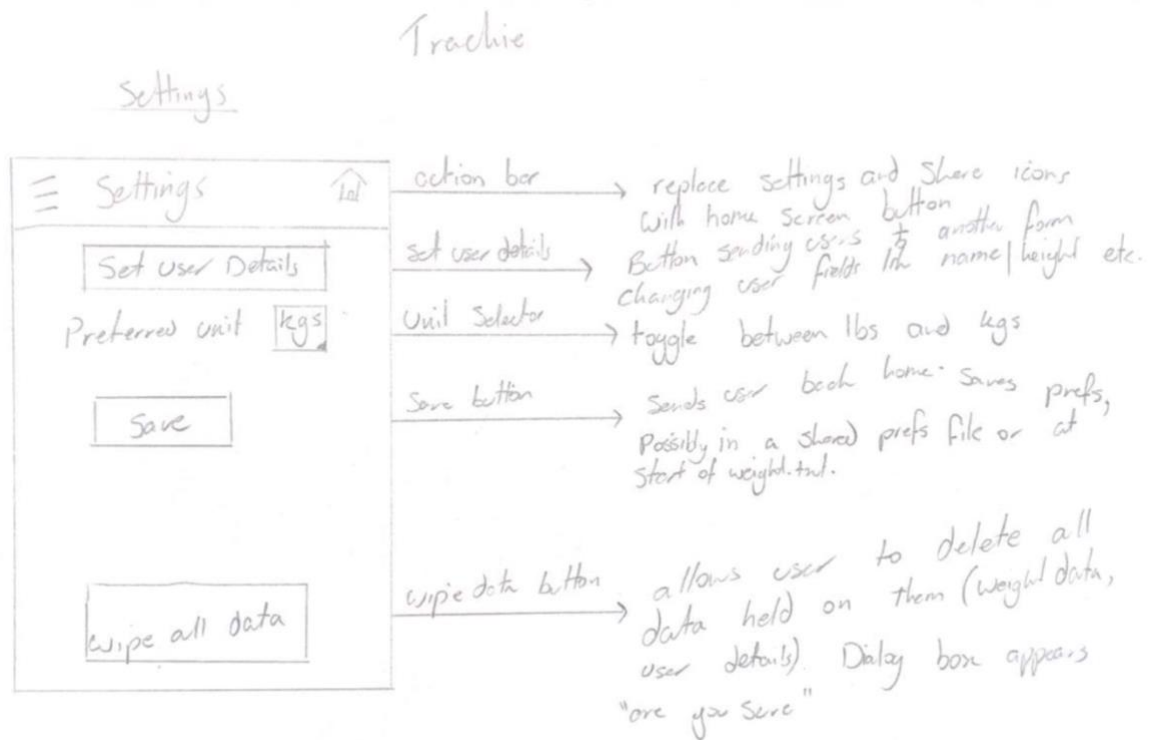
About (Formerly Help)



This page will read very similarly to a github readme, talking about the project as well as an instruction manual on using the app. Of course, I want my app to be as intuitive as possible but It's always good to have nice documentation.

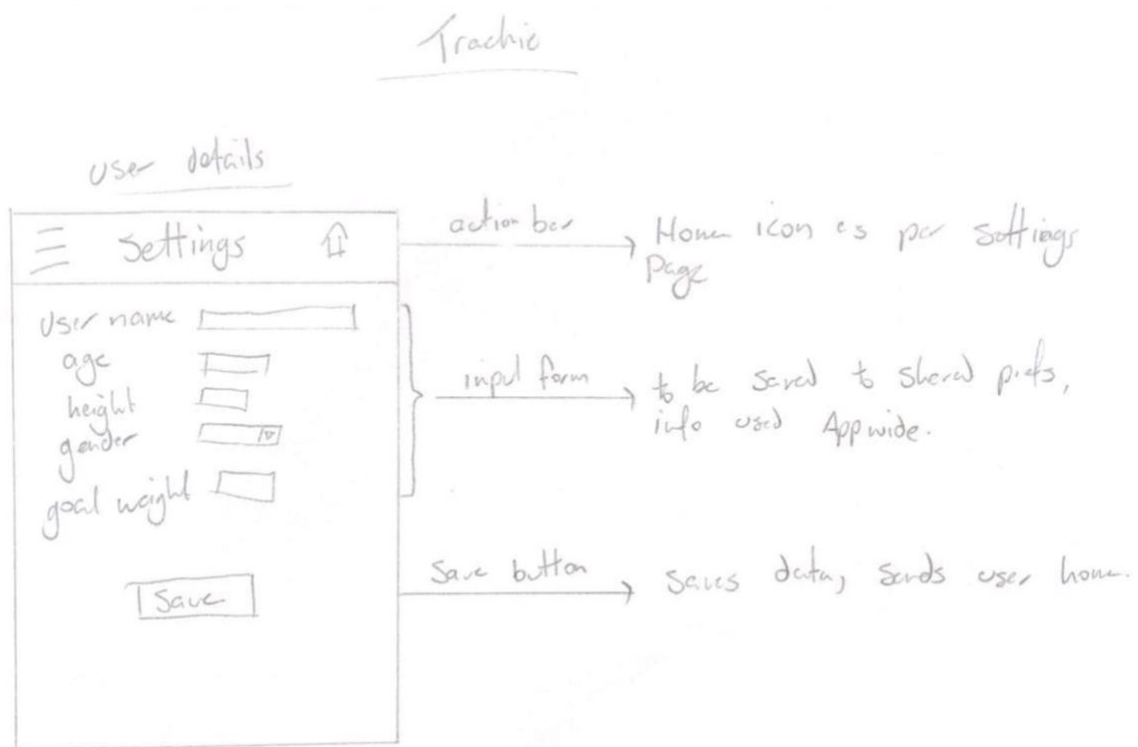
While writing this I think it would be a good idea to reuse the activity while reading in a different raw file for the BMI Details page.

Settings



This page didn't have nearly as many settings as I imagined in my head. It's basically a link to a form where the user can fill in personal data and a toggle between imperial/metric units throughout the app.

Trackie User Details



As previously mentioned this page is just a form for the user to enter their personal data. This data is to be used across the app in activities like the BMI Calculator for example.

Trackie User Stories and Navigation

As someone with poor weight loss motivation, I want to see my previous progress so that I continue on my journey.

Home -> Weight Graph

OR

Home -> Side Menu -> History

As someone in a group of fitness friends, I want to be able to share my data so that I can show my friends.

Home -> Action Bar -> Share (applies to most screens)

As someone with a long weight loss journey, I want to be able to see my weights from a year ago.

Home -> Side Menu -> History

As someone with little time, I want to quickly input data so that I don't have to spend too much of my time navigating a complicated UI.

Home -> Check In -> Save

As someone who is unsure about my weight category, I want to calculate my BMI so that I can have a greater understanding about my health.

Home -> Side Menu -> Calculate BMI

Reflection

I gave this app so many features in my head that I'm wondering if I'll have enough time to complete each one. The finished app, while remaining as true to this as possible, might have some features/activities stripped as reality sets in on how much work there would be to do.

After I finish this semester though this is definitely a project I'd like to fully complete should I not get the opportunity to before portfolios are due.