



SINEL

LET'S GET STARTED

Email

Passcode



Click to hide/unhide
password

LOGIN

Home page, different log-in credentials will give user access to only his connected assets. What assets are: meter (1 to xx) (page 2), cap. Banks (1 to xx) (page 3) and filters (1 to xx) (page 4).

Home Dashboard

PT KUI

Name of user, different log-in credentials will show different name of user

Scrollable to switch, when swiped left, go to page 3

kWh Rp. 232k METERS 11 meters connected

kVARI Rp. 200k CA 5 bars

Calculate: Sum value of all meters connected on page 5 (in this sample, sum of 11 meters = 232k)
Number should have countup animation from 0

METERS selected

When not selected, it goes dim

Energy Cost

When clicked, go to page 5

Calculate: Count the number of all available meters on page 5 (in this sample, 11)
Number should have countup animation from 0

Graph for trailing 3 months only.

Graph should be like "SINEFO Role Model.gif" with animation from left to right. Base color should be blue-ish. This applies to all graph.

Real-time tab selected turns blue

0 100 200 300

Mar Apr

Real-time tab selected turns blue

Clock icon

Calendar icon

Graph icon

Bell icon

First page after log-in will take user to view his connected assets only.

Thousands will be denoted with "k" (eg. 200 will be 0.2k, 20000 will be 20k), "M" if millions (eg. 200k will be 0.2M, 20000k will be 20M), "B" if billions (eg. 200M will be 0.2B, 20000M will be 20B)

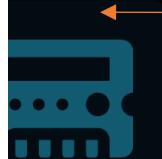
All numbers are rounded (no decimals), except when indicated

Home Dashboard

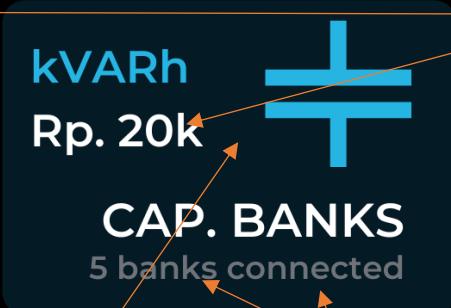
PT KUI



Scollable to switch, when swiped left, go to page 4

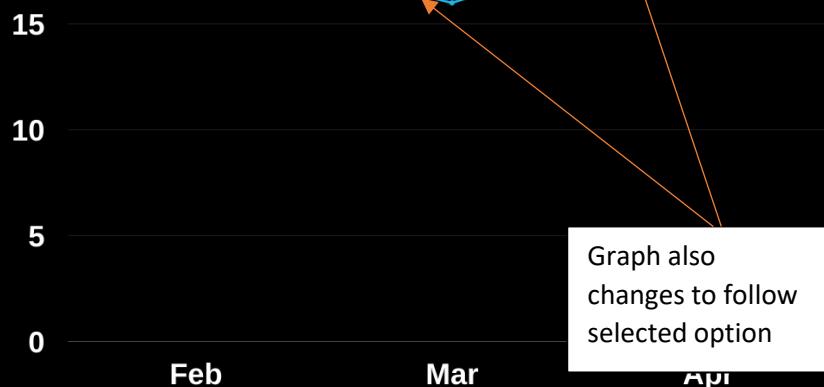


RS
ected



Energy Saved

When clicked, go to page 16



Graph also
changes to follow
selected option

Calculate: Sum value of all cap. banks connected on page 16 (in this sample, sum of 5 cap. banks = 20k)
Number should have countup animation from 0



Home Dashboard

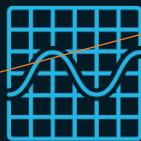
PT KUI



Scrollable to switch, when swiped left, go back to page 1

kVARh

Rp. 10k



HARM. FILTERS

no filters connected

kWh

Rp. 2



NKS
ected

N
11 met

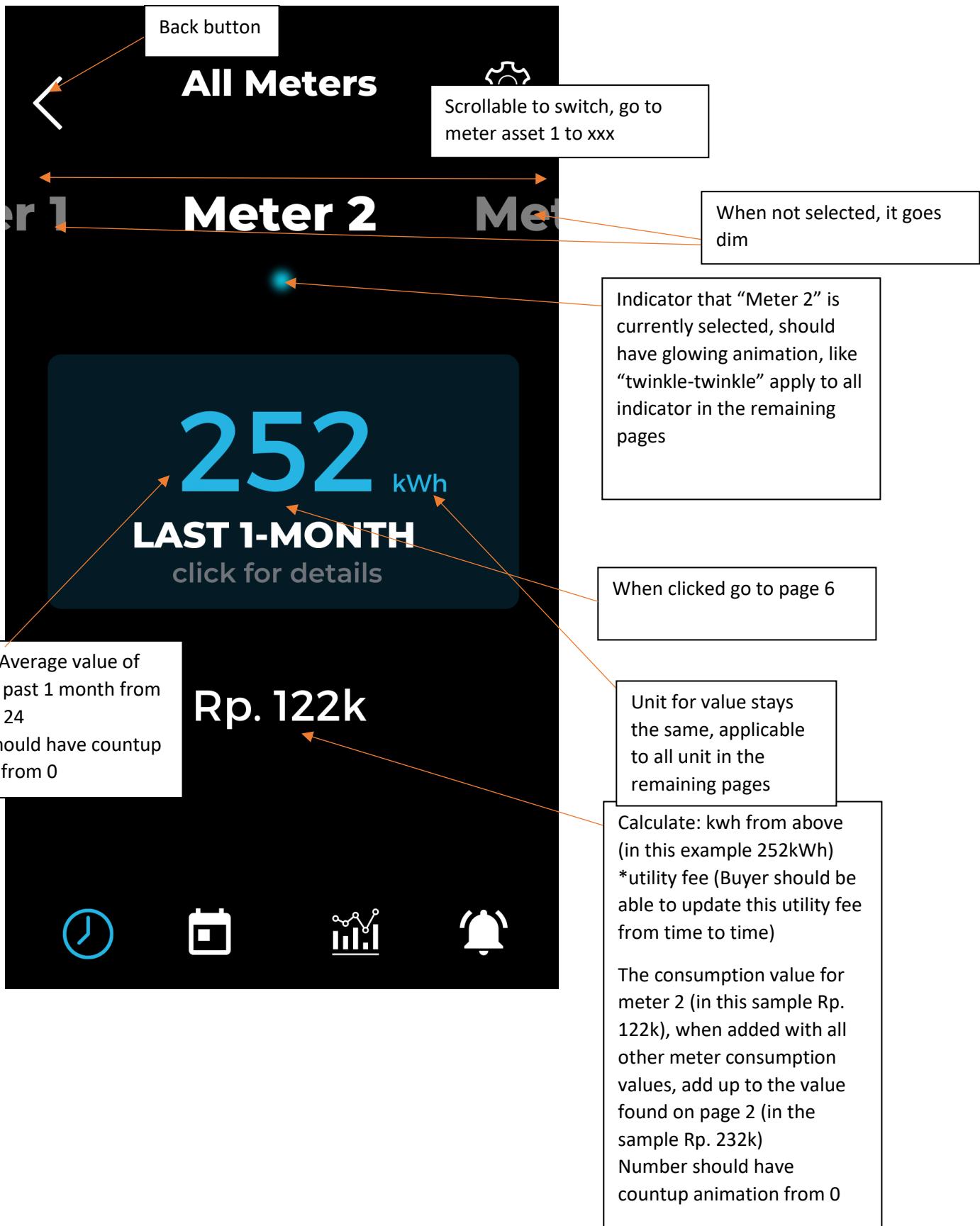
Calculate: Average value of a parameter available in SQL * value on page 2 (in the sample 232k)
Number should have countup animation from 0

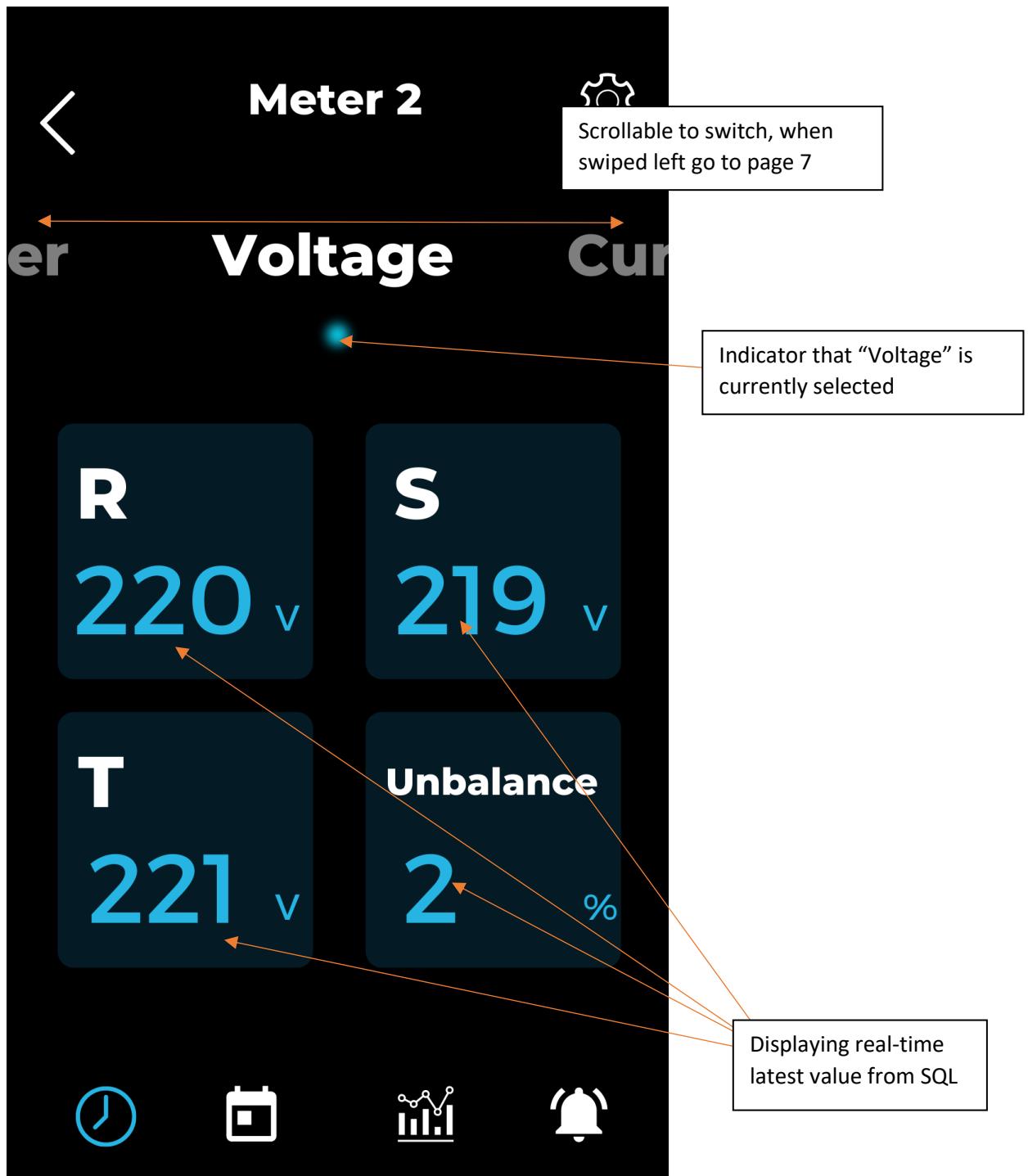
Potential Savings

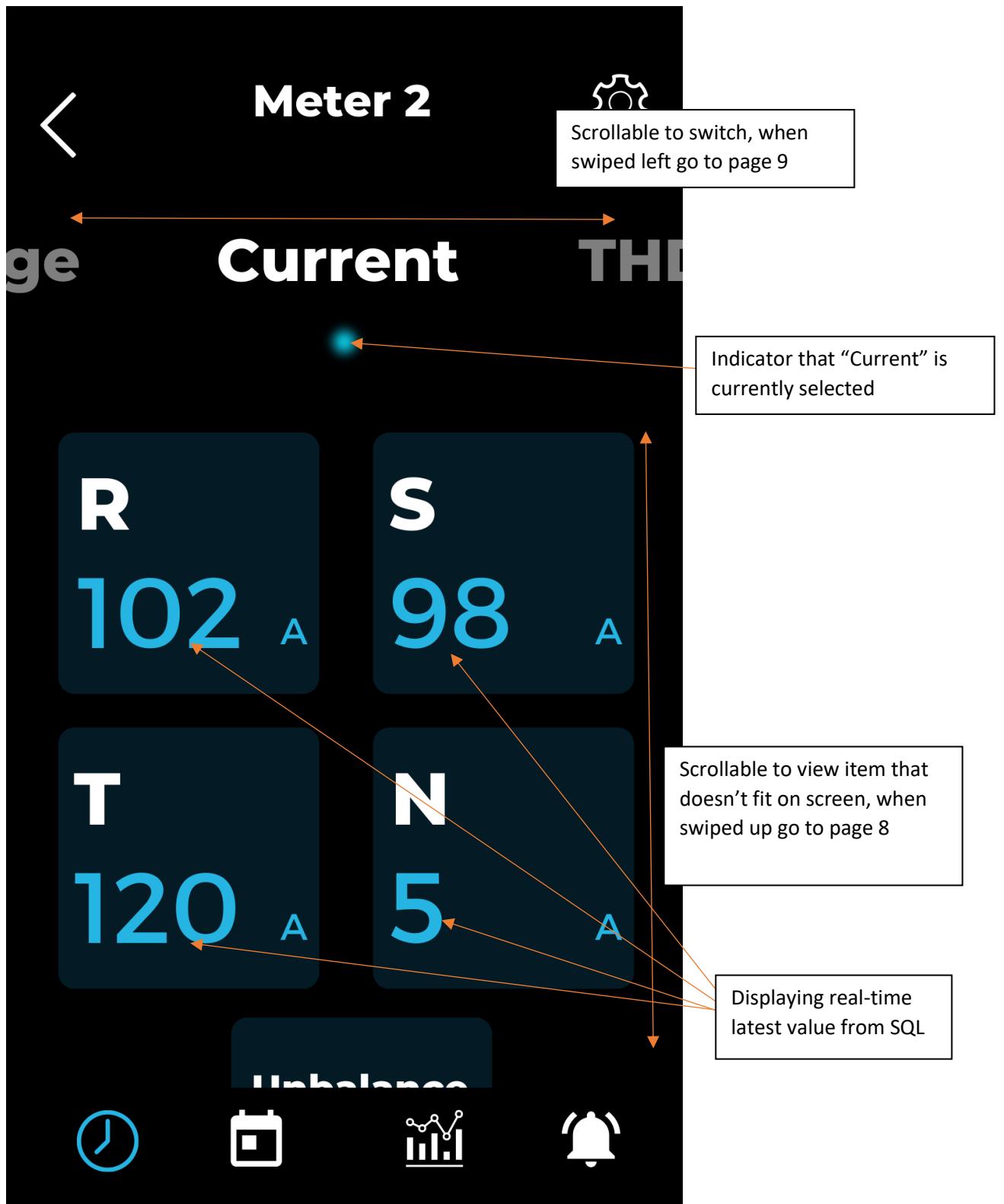


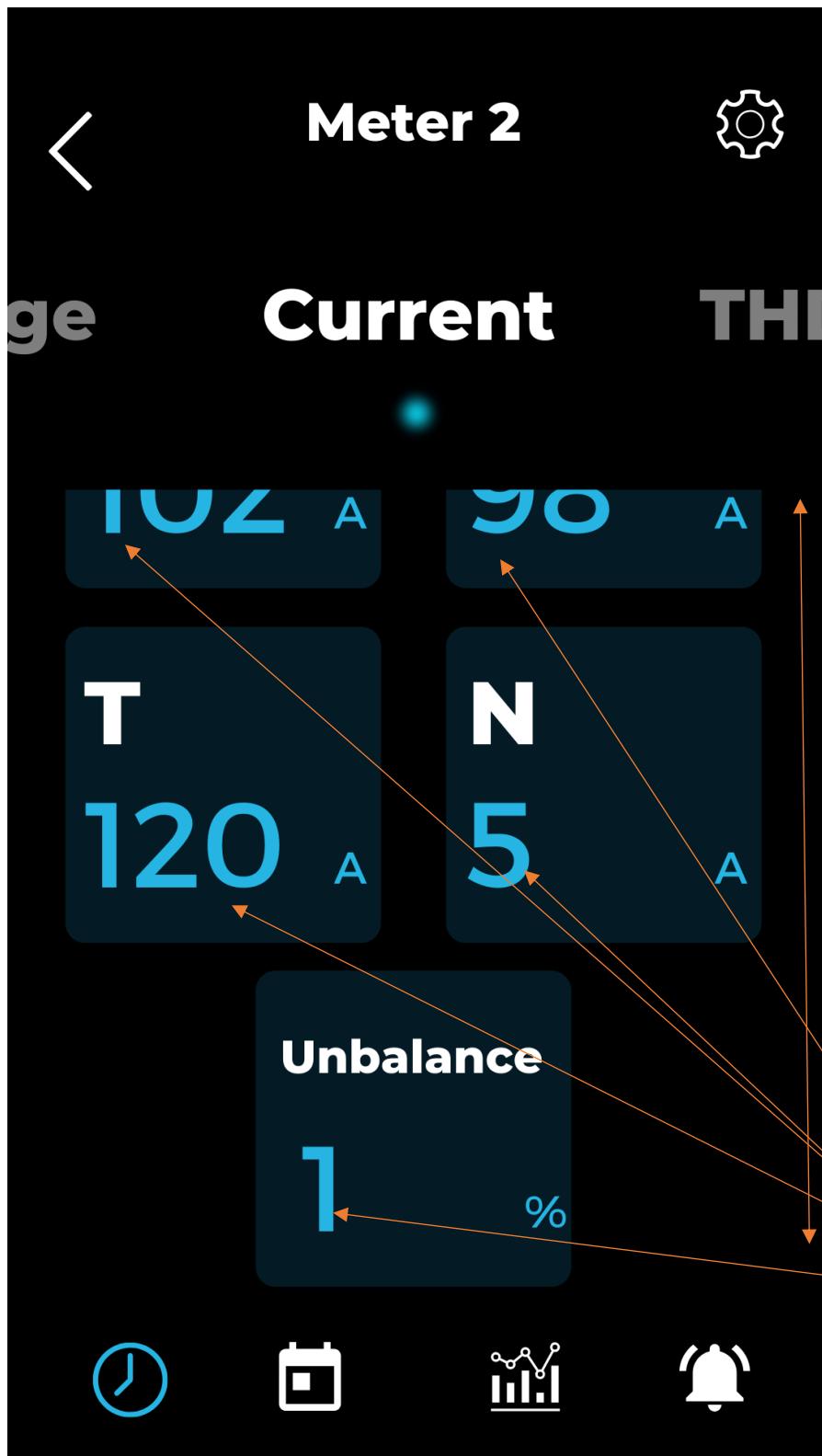
Calculate: Count the number of all available filters (in this sample, 0)
Number should have countup animation from 0

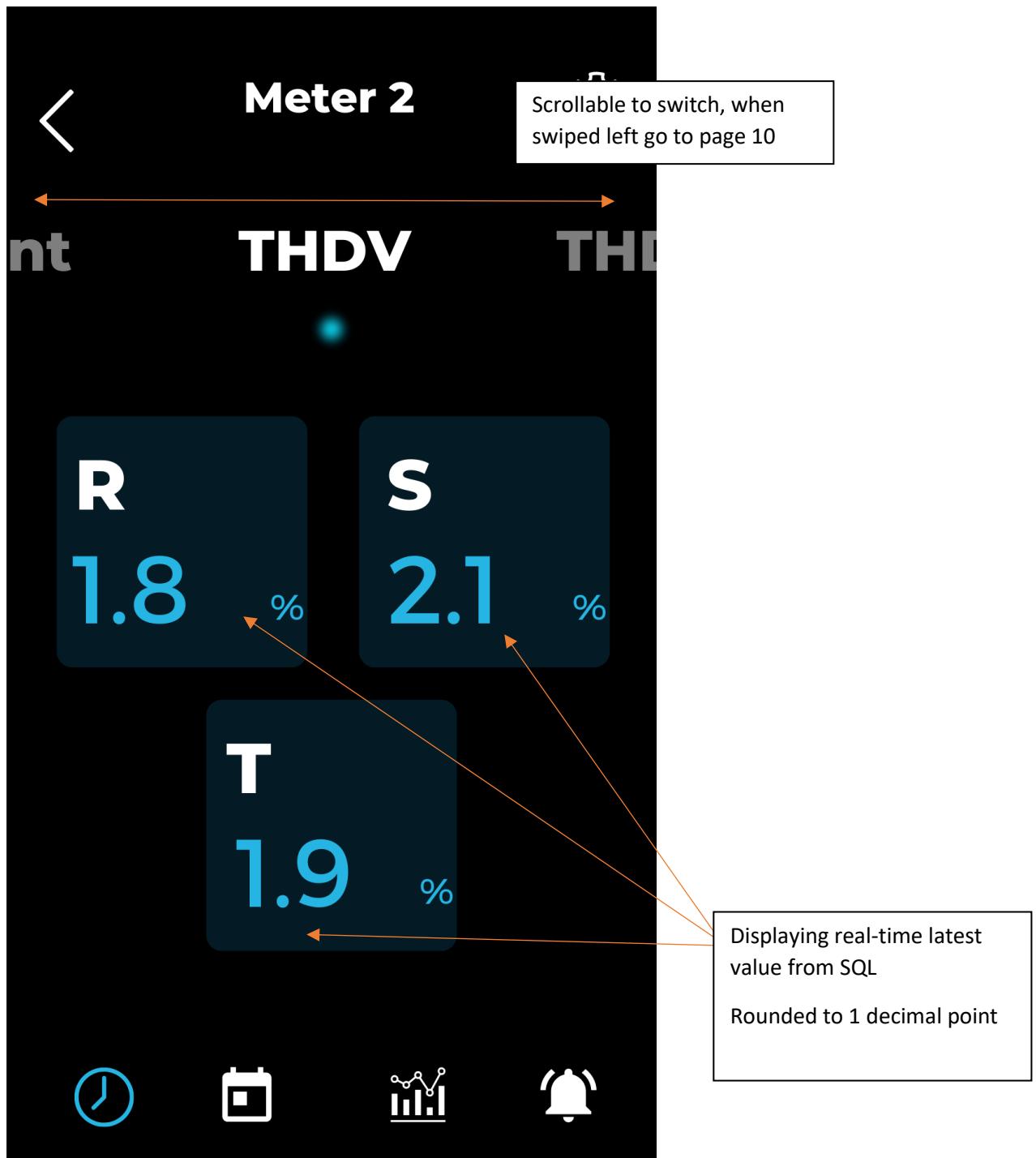


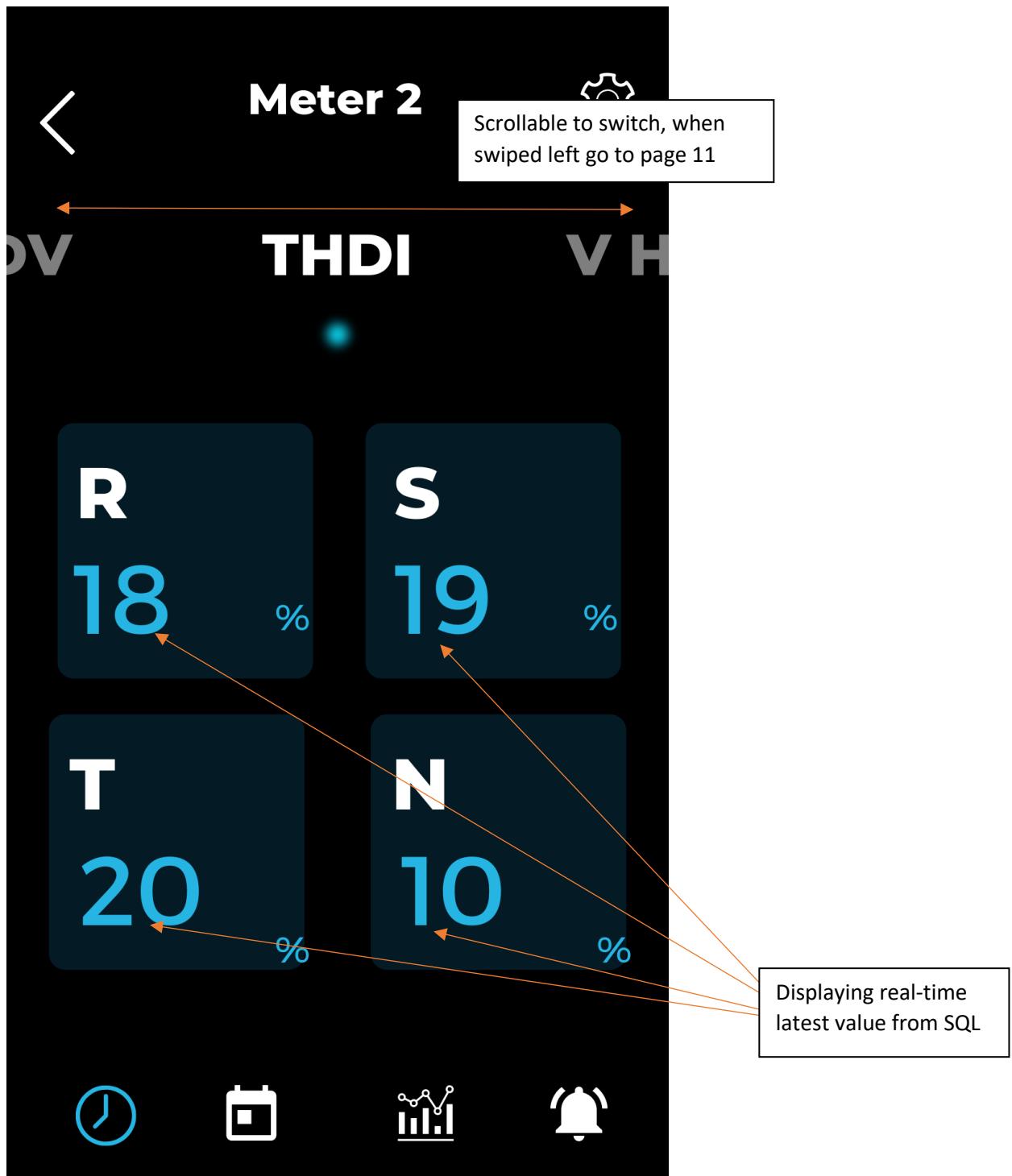


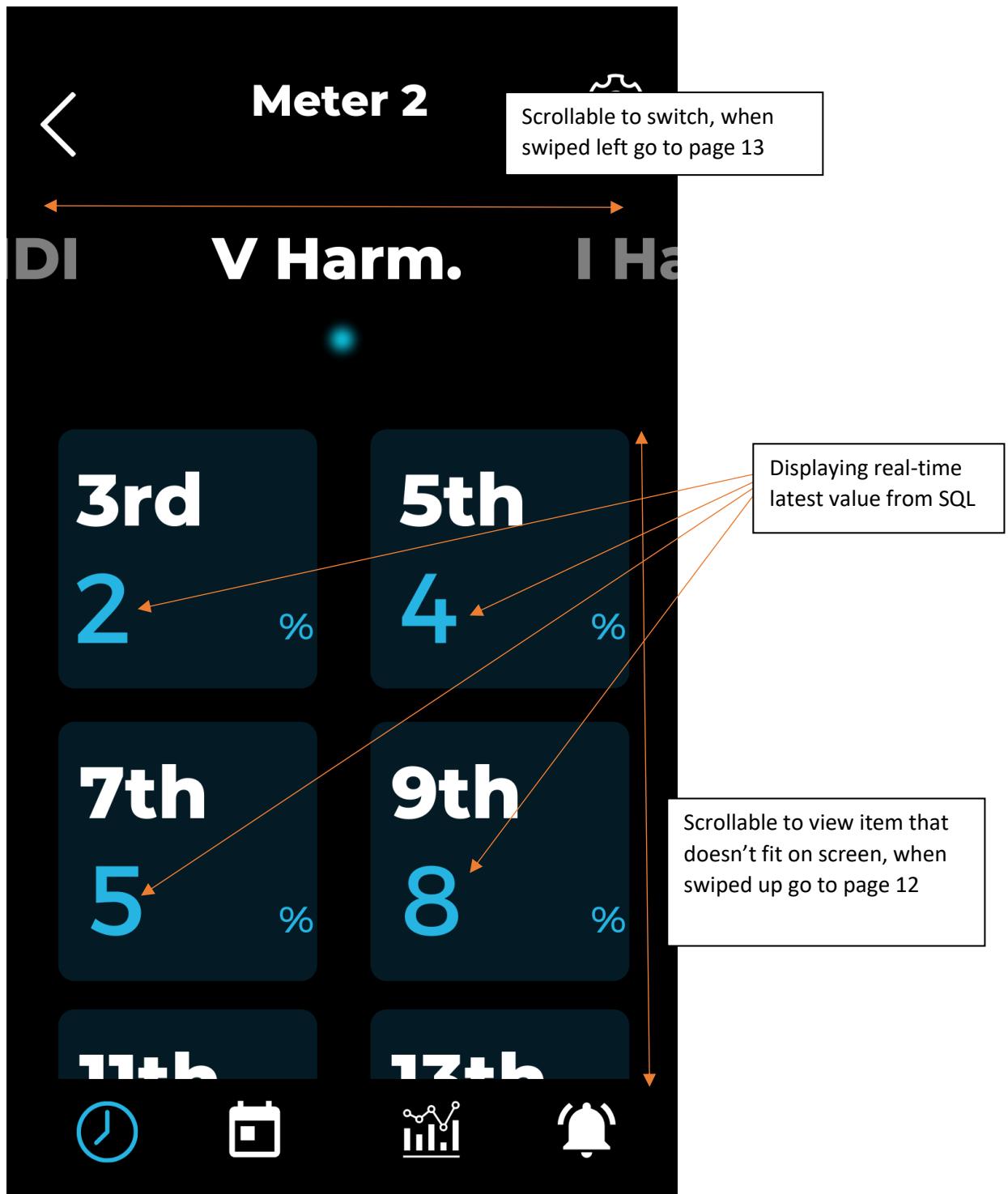


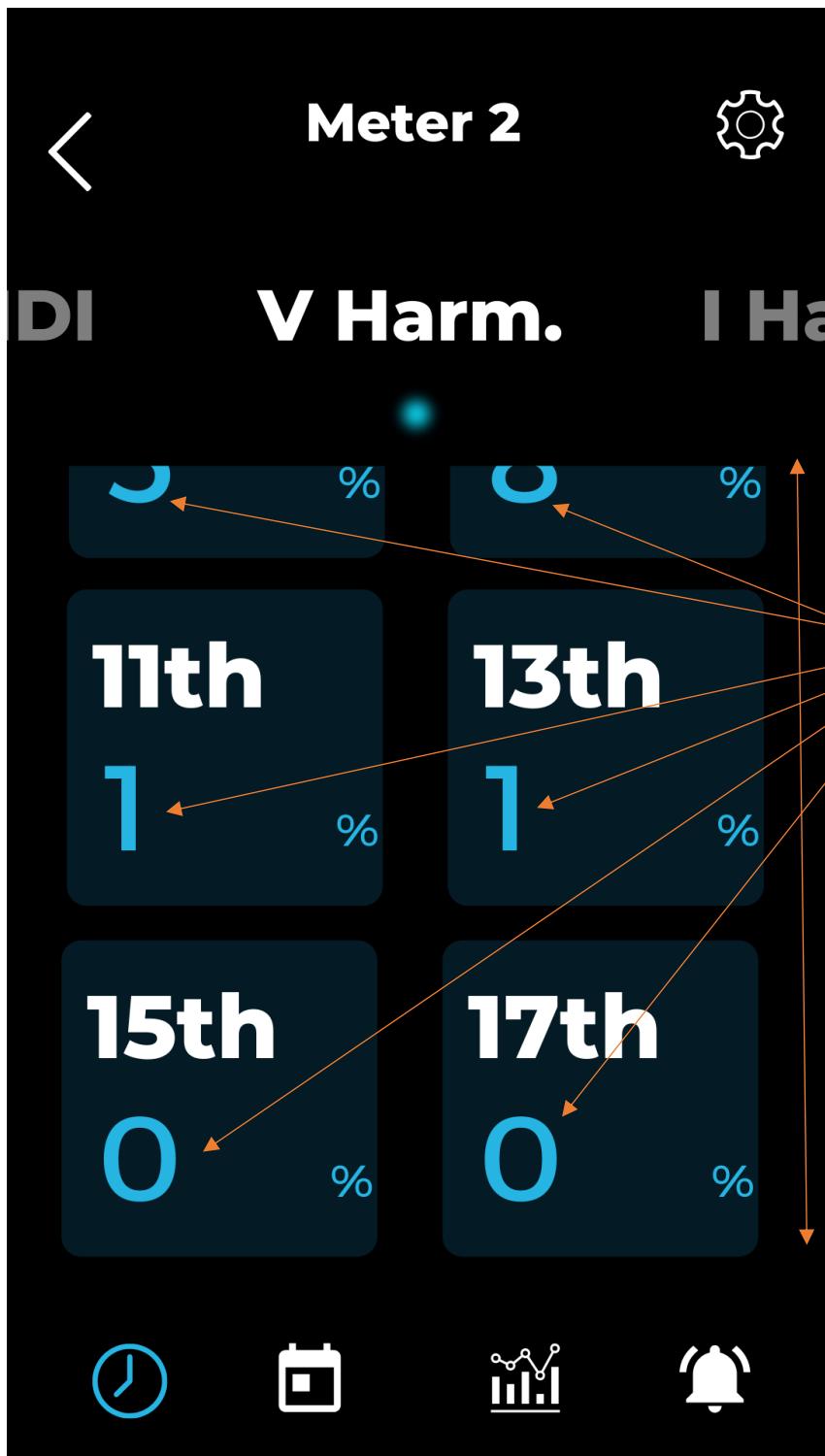


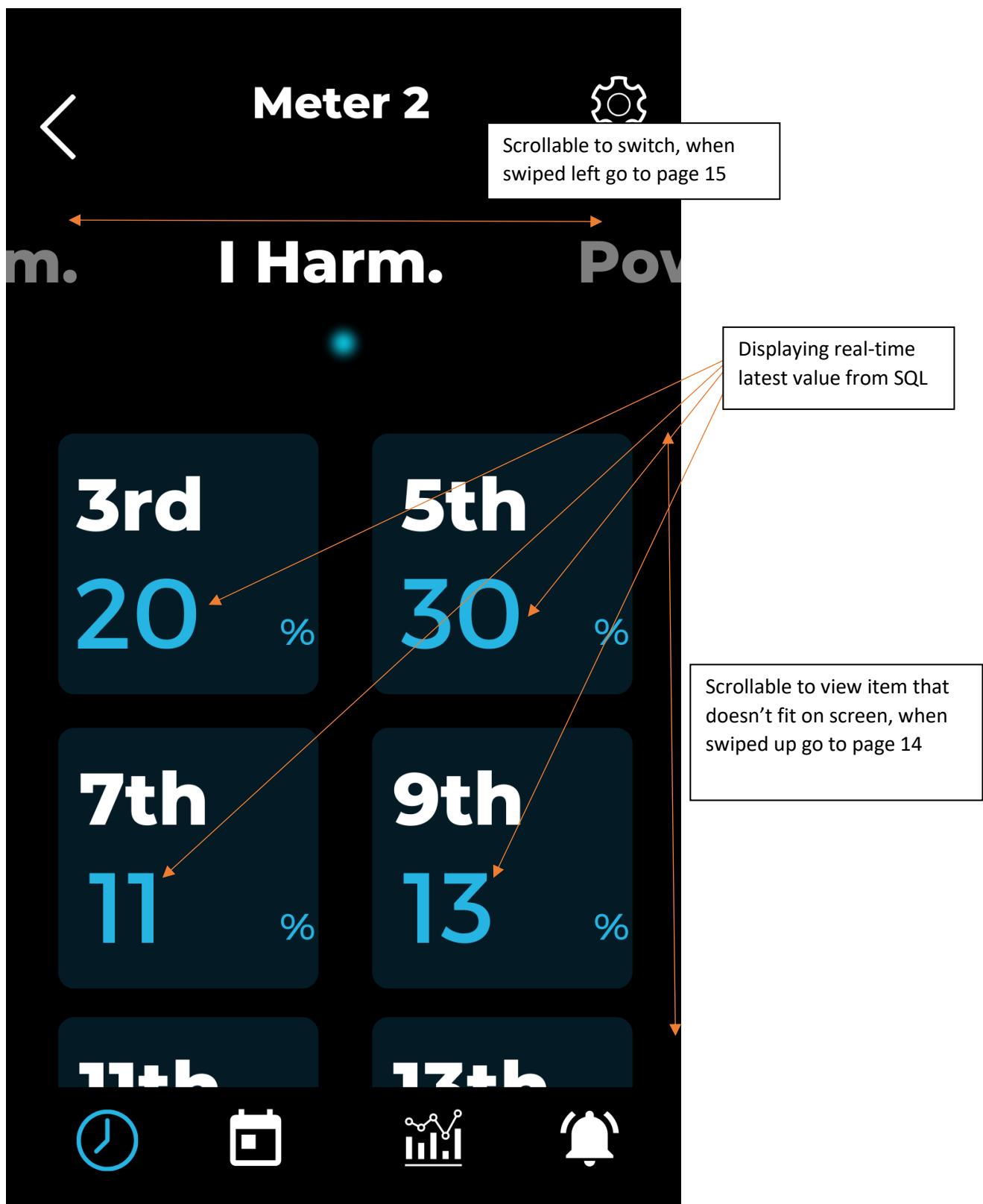


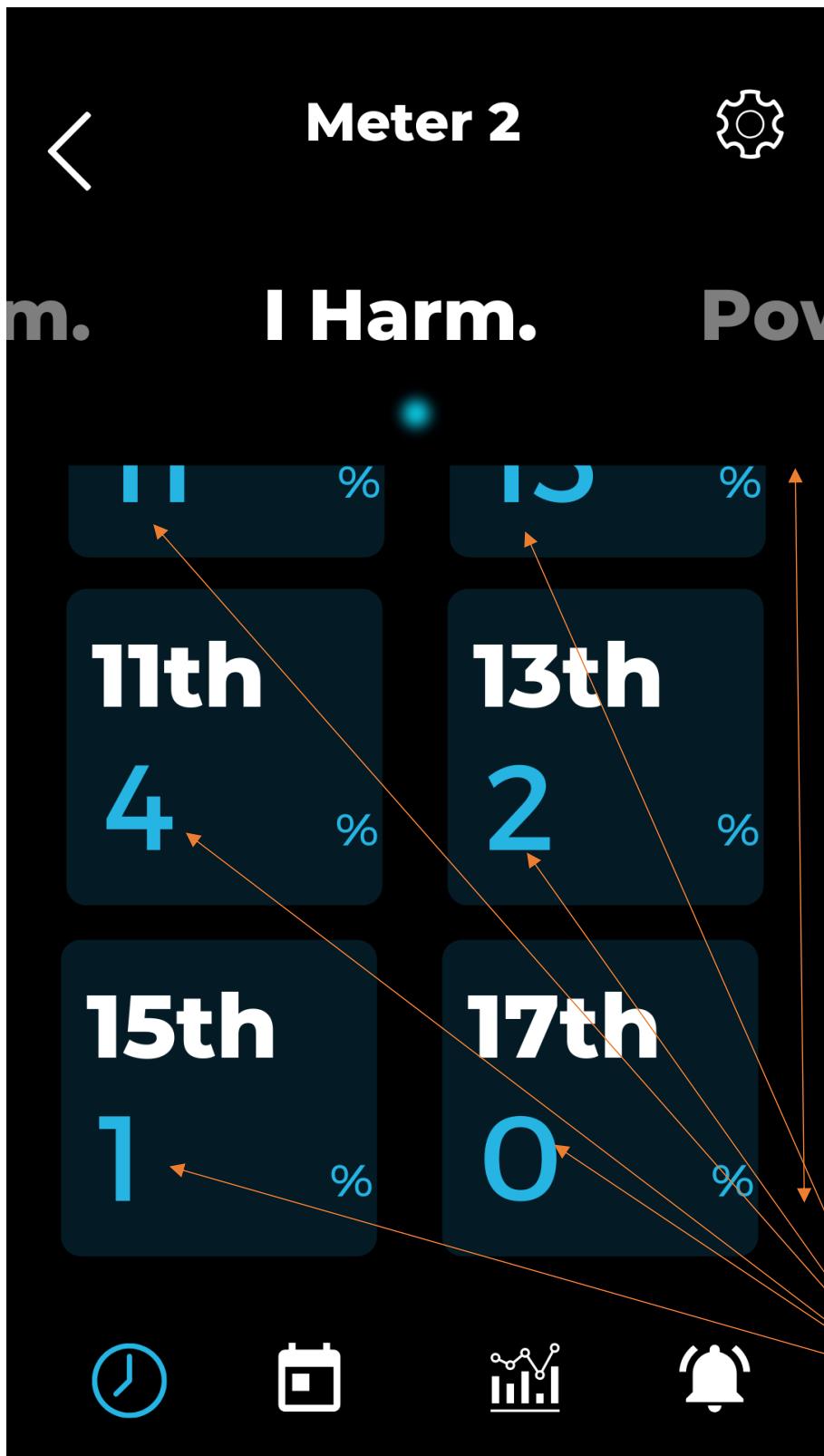














All Cap. Banks

Scrollable to switch, go to cap. bank asset 1 to xxx

Bank 1

LAST 1-MONTH

click for details

122 kVARh

Calculate: Average value of kVAR on the past 1 month from SQL * 30 * 24
Number should have countup animation from 0

When clicked go to page 17

Rp. 12k

Calculate: kVARh from above (in this example 122 kVARh)
*utility penalty fee (Buyer should be able to update this utility fee from time to time)

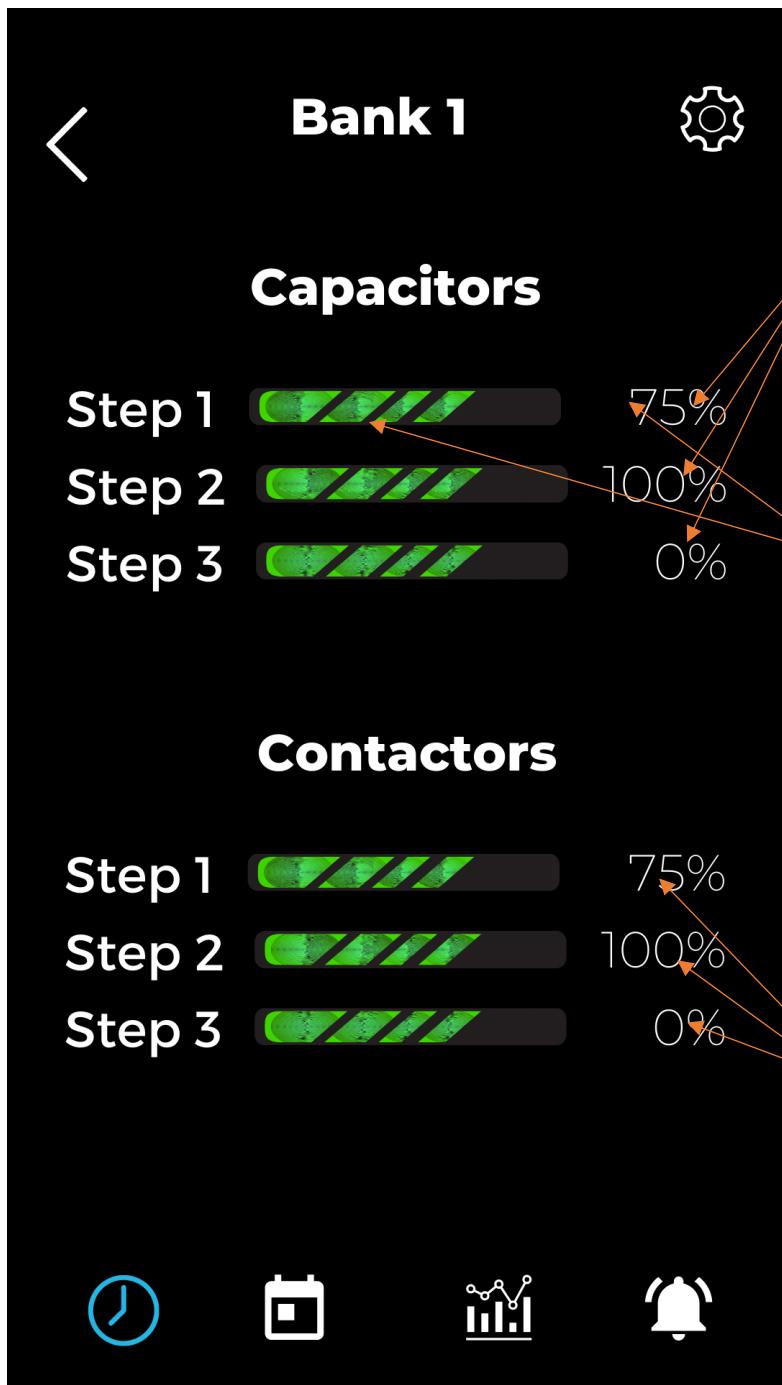
The consumption value for bank 1 (in this sample Rp. 12k), when added with all other meter consumption values, add up to the value found on page 3 (in the sample Rp. 20k)
Number should have countup animation from 0

clock icon

calendar icon

chart icon

bell icon



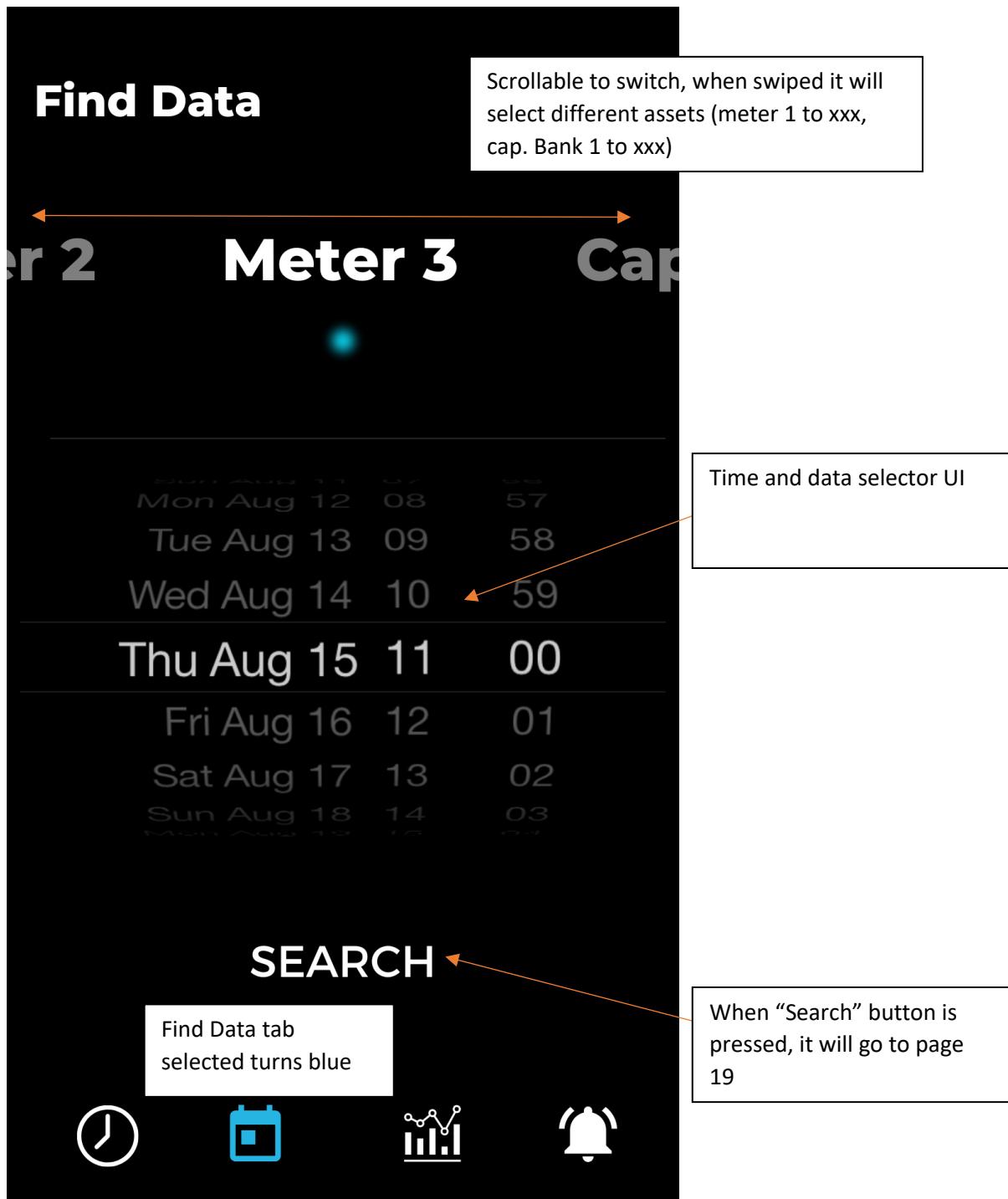
Displaying real-time latest value from SQL

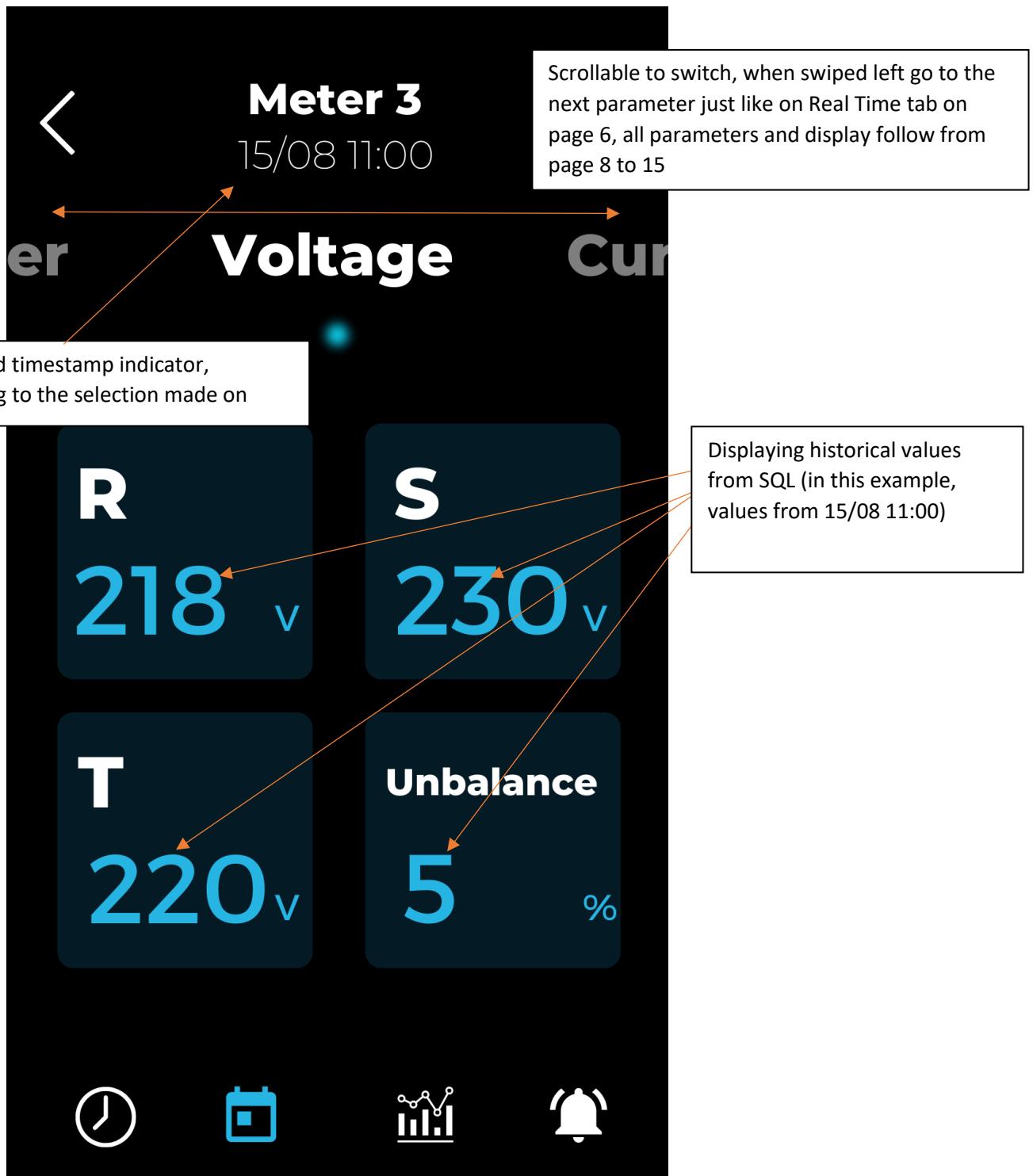
All numbers should have countup animation before showing their values

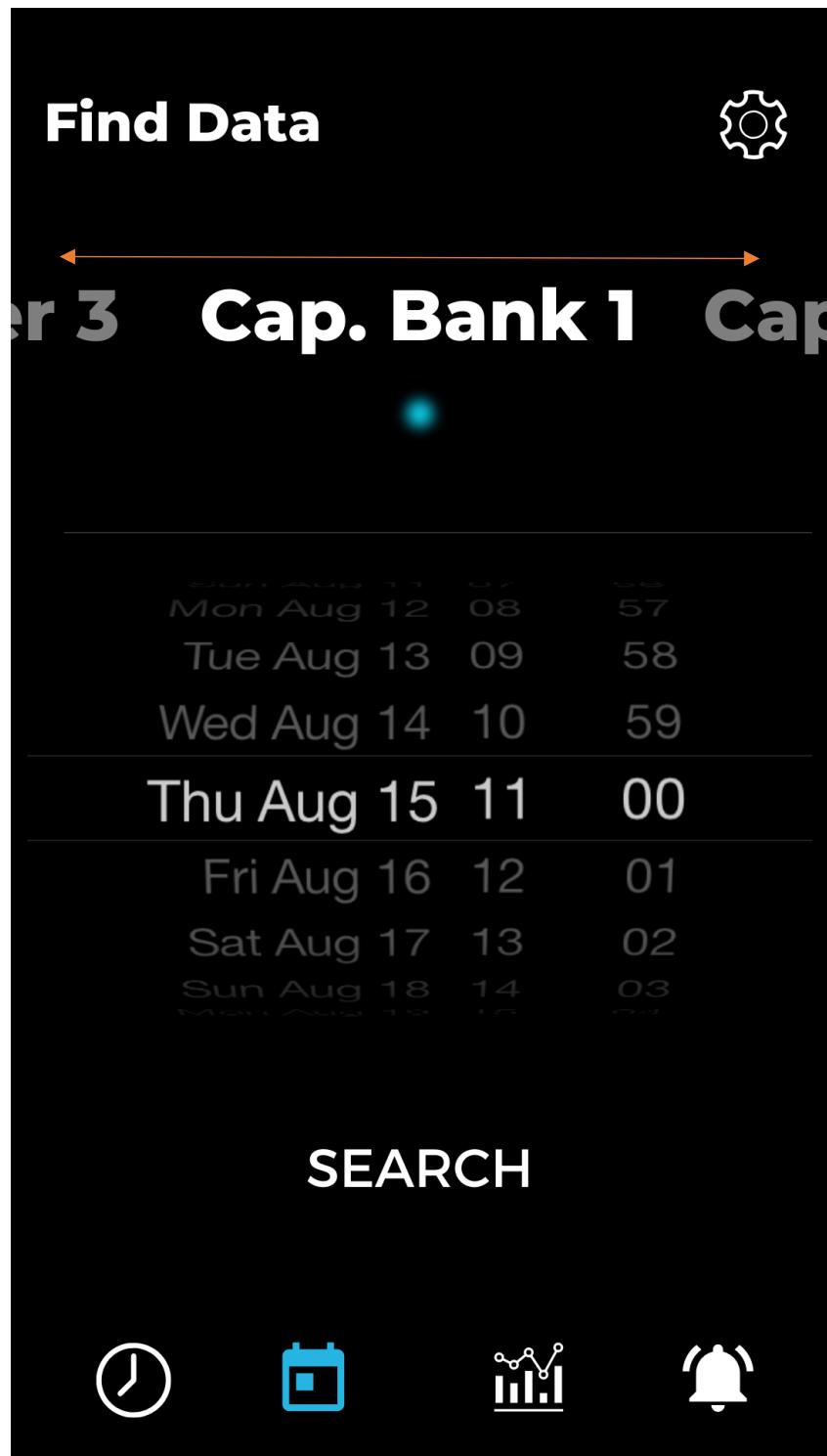
Bar volume should correspond to the percentage (unlike the example here), all bars should have animation from empty to eventually showing their values

Displaying real-time latest value from SQL

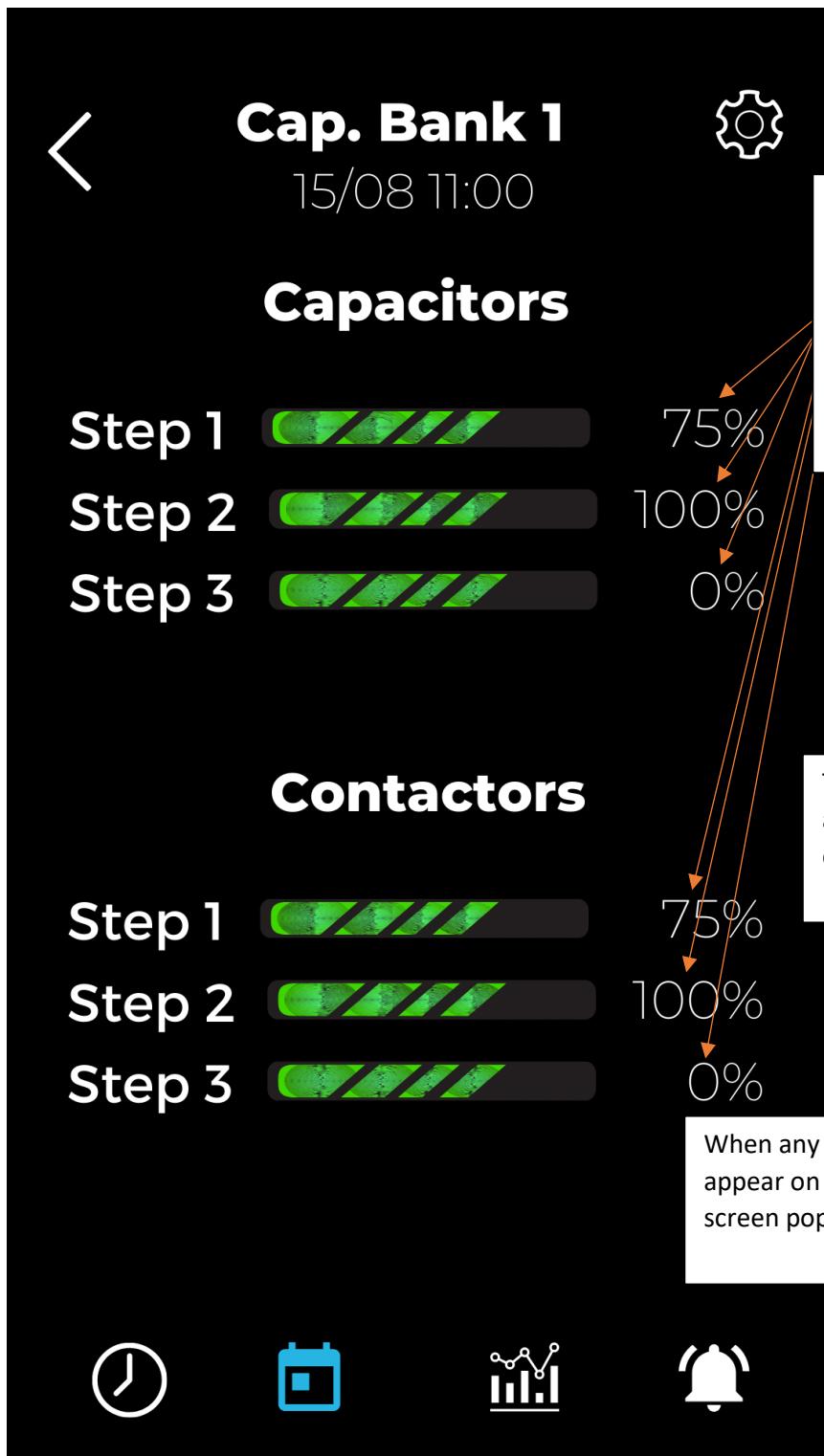
All numbers should have countup animation before showing their values

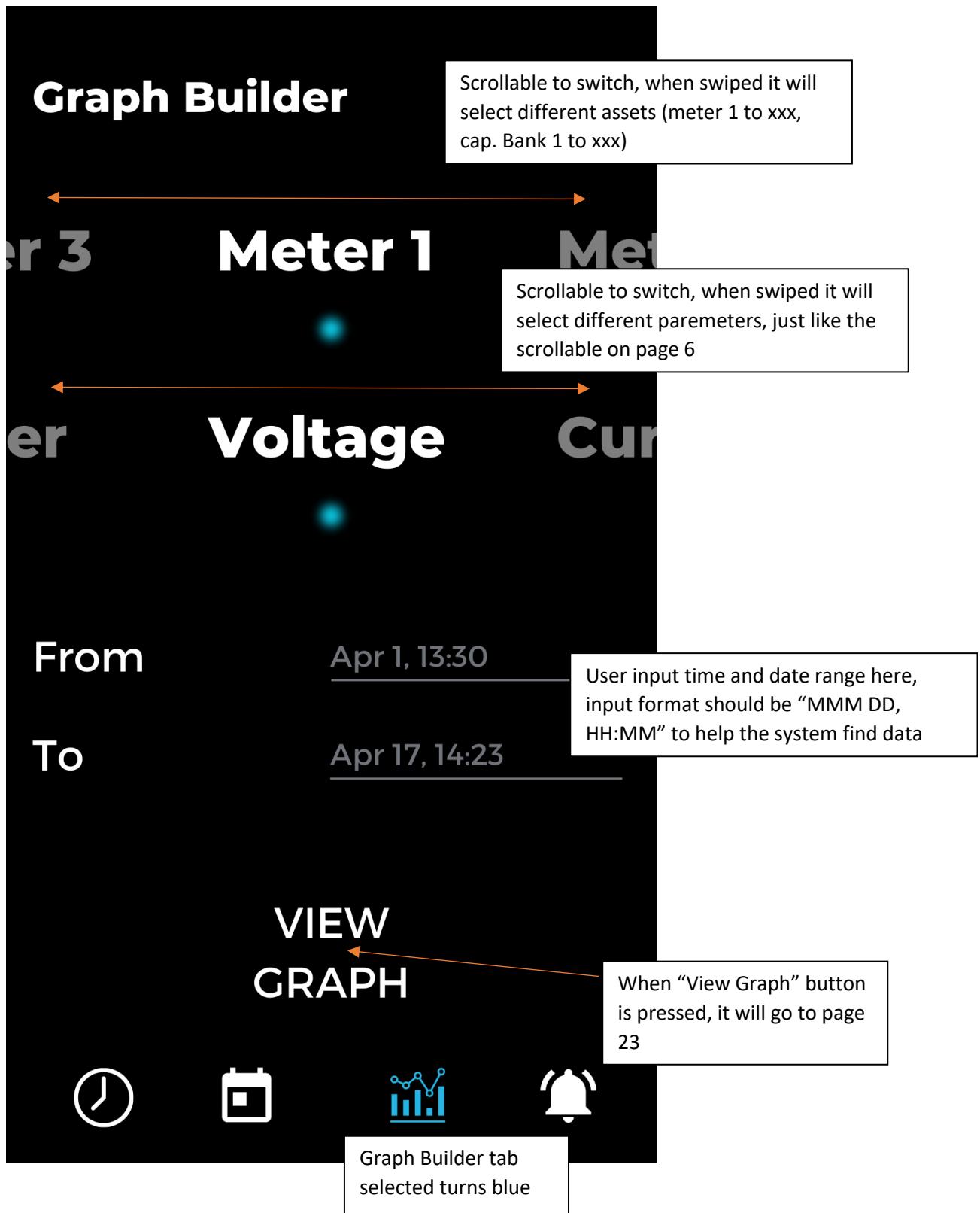






Similar to page 18, when Cap. Bank asset is selected and search button is pressed, go to page 21





DO NOT graph the following parameters: Unbalance in Voltage tab (page 6), Unbalance in Current tab (page 8), P, PF & Freq. in Power tab (page 15).



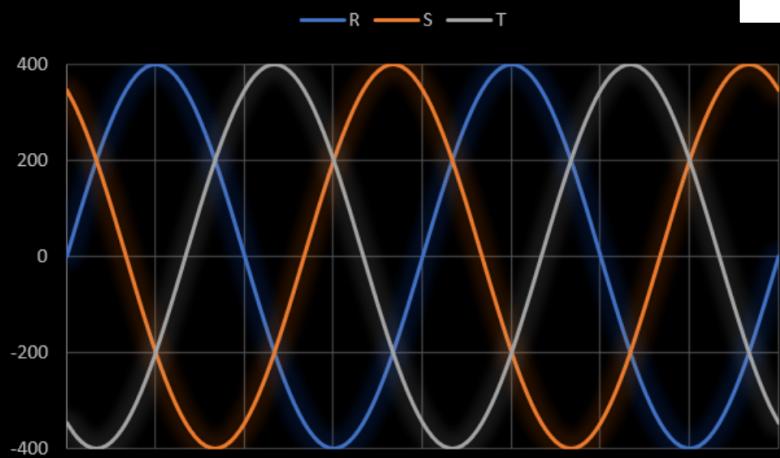
Meter 1

Voltage



01/04 13:30 - 17/04 14:23

Graphing historical value from SQL (in this example, value from 01/04 13:30 – 17/04 14:23)
Graph should be like “SINEFO Role Model.gif” with animation from left to right.



Notifications



TODAY

10:08

Cap. bank 1, capacitor step 3 <85%

20:13

Meter 2 THDV over threshold

Notification with date and time stamp, there should be pop up notification from the app to the Home Screen (see page 30)

YESTERDAY

23:59

Monthly report sent to email

What shows on this page:
- when monthly readings data were sent
- when alarms triggered (see page 27)
- when capacitors and contactors <85% condition (see page 17)

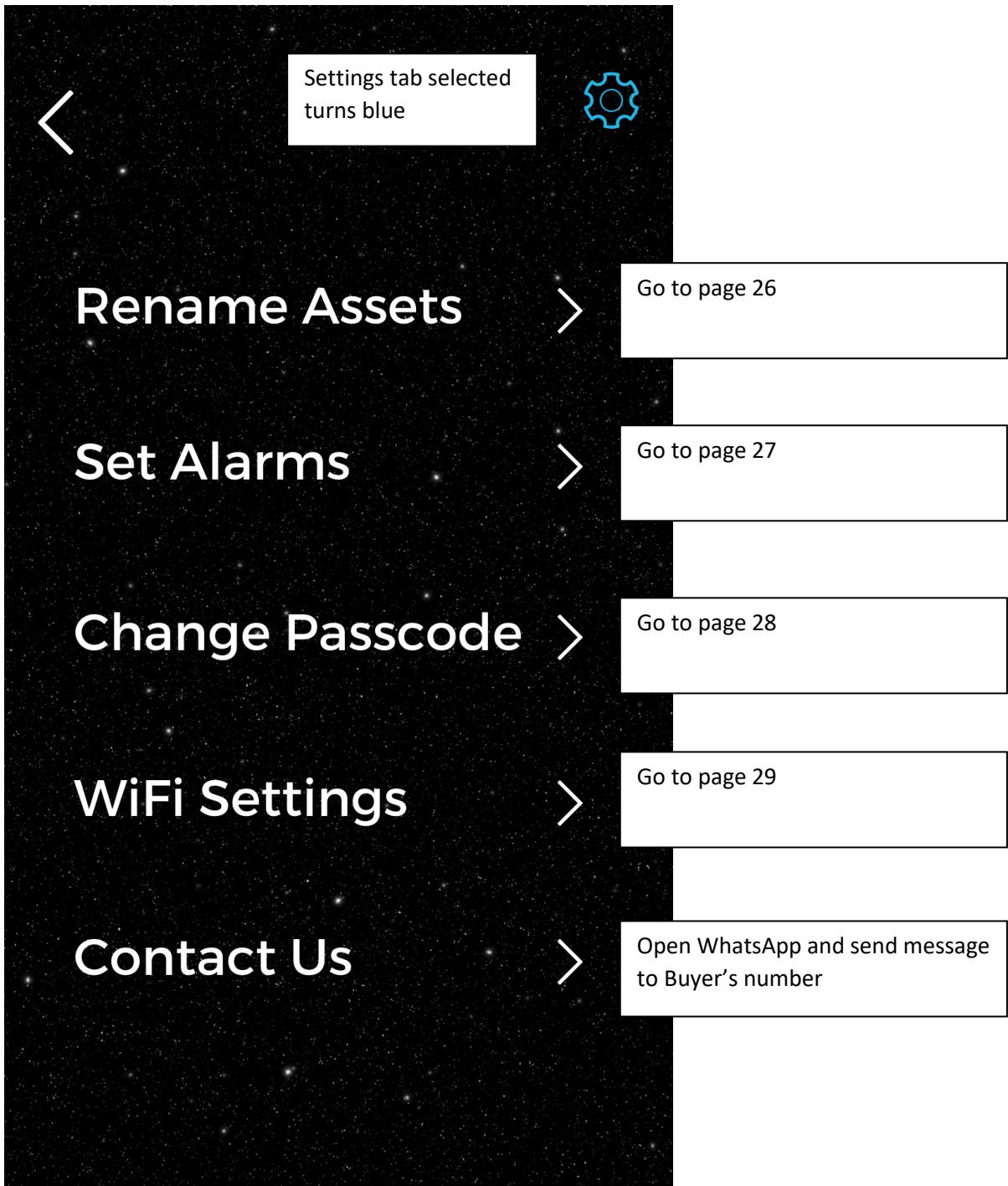
26/06/20

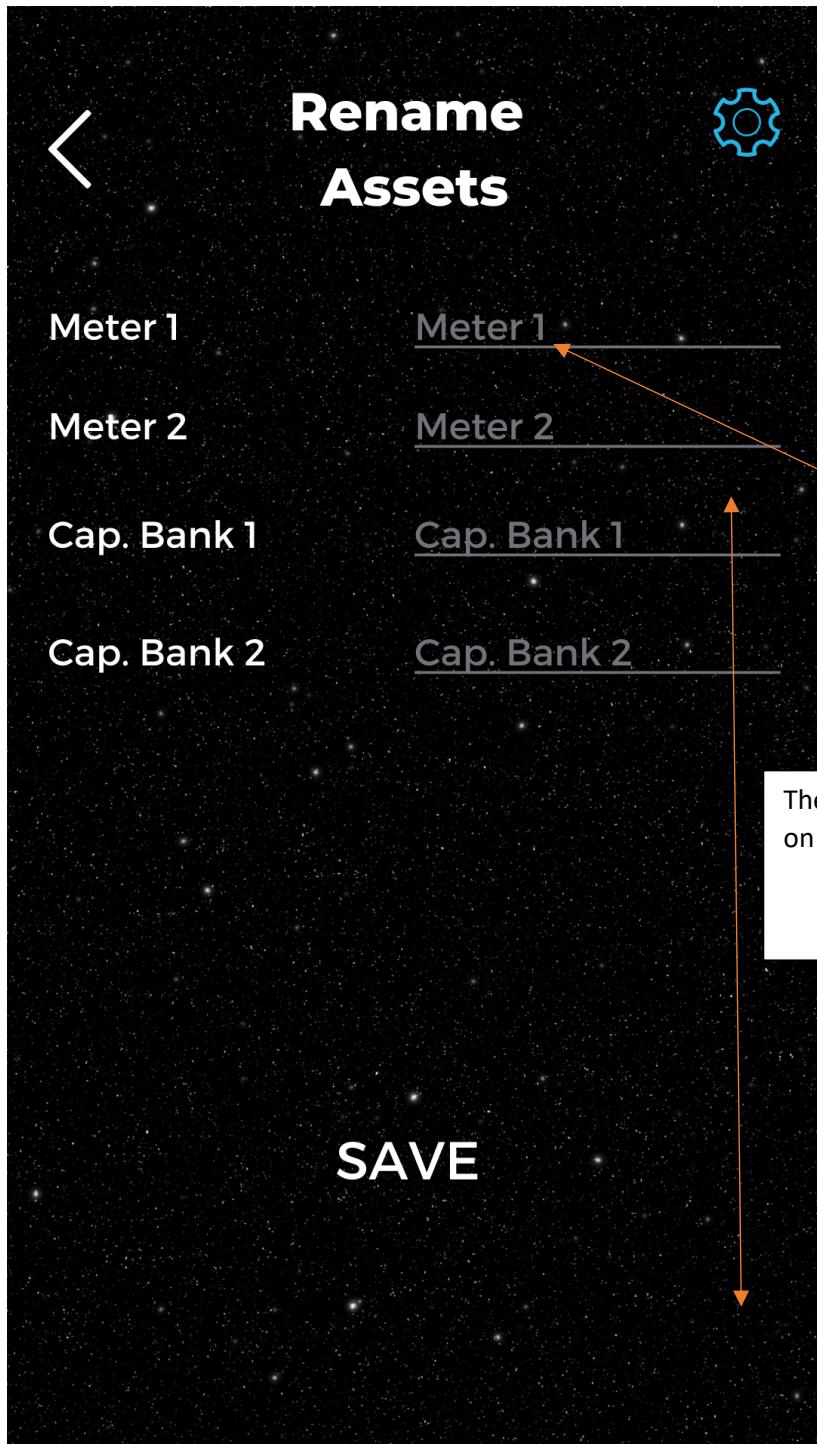
09:11

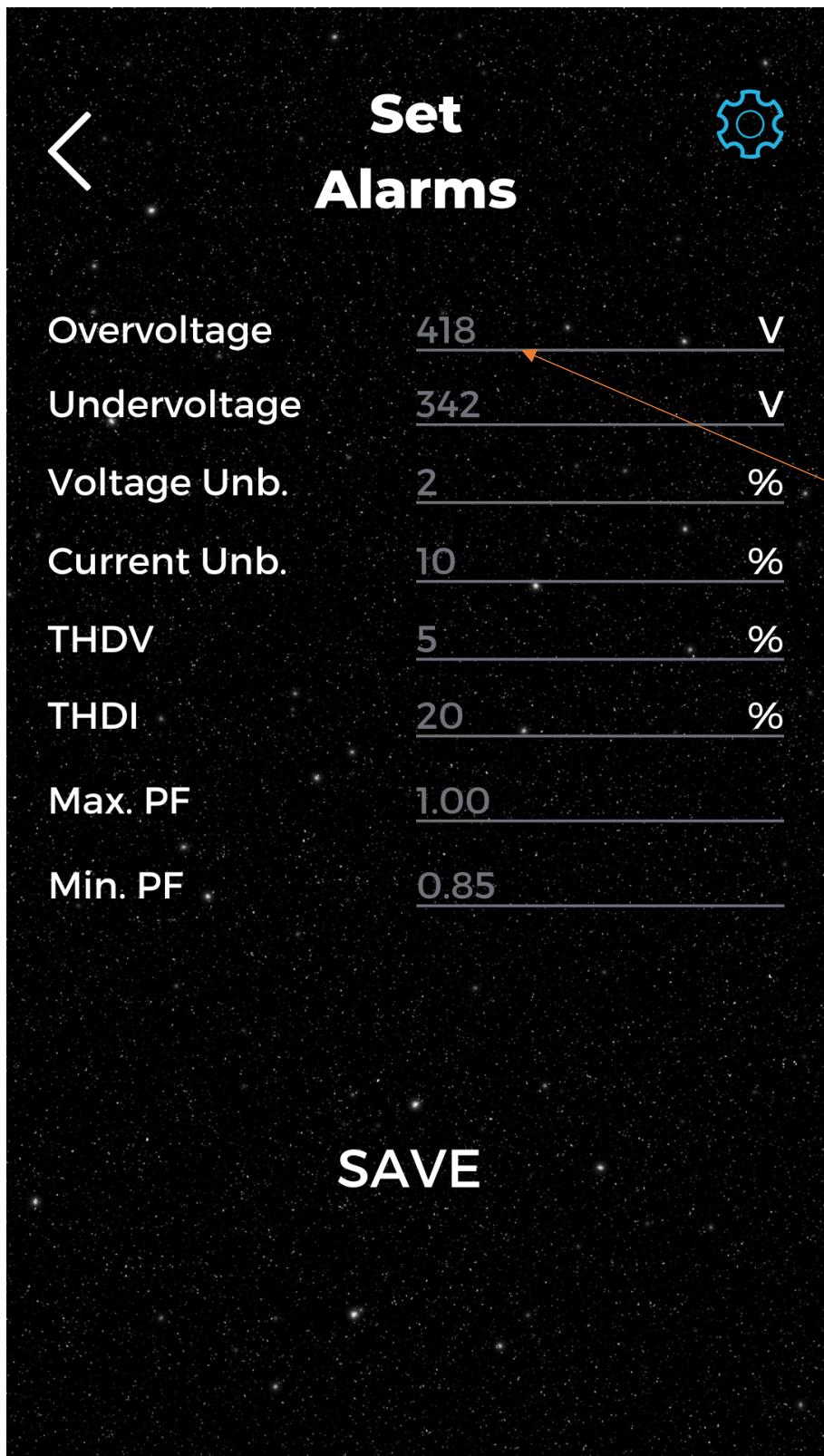
Meter 1 overvoltage

Graph Builder tab selected turns blue











Change Passcode

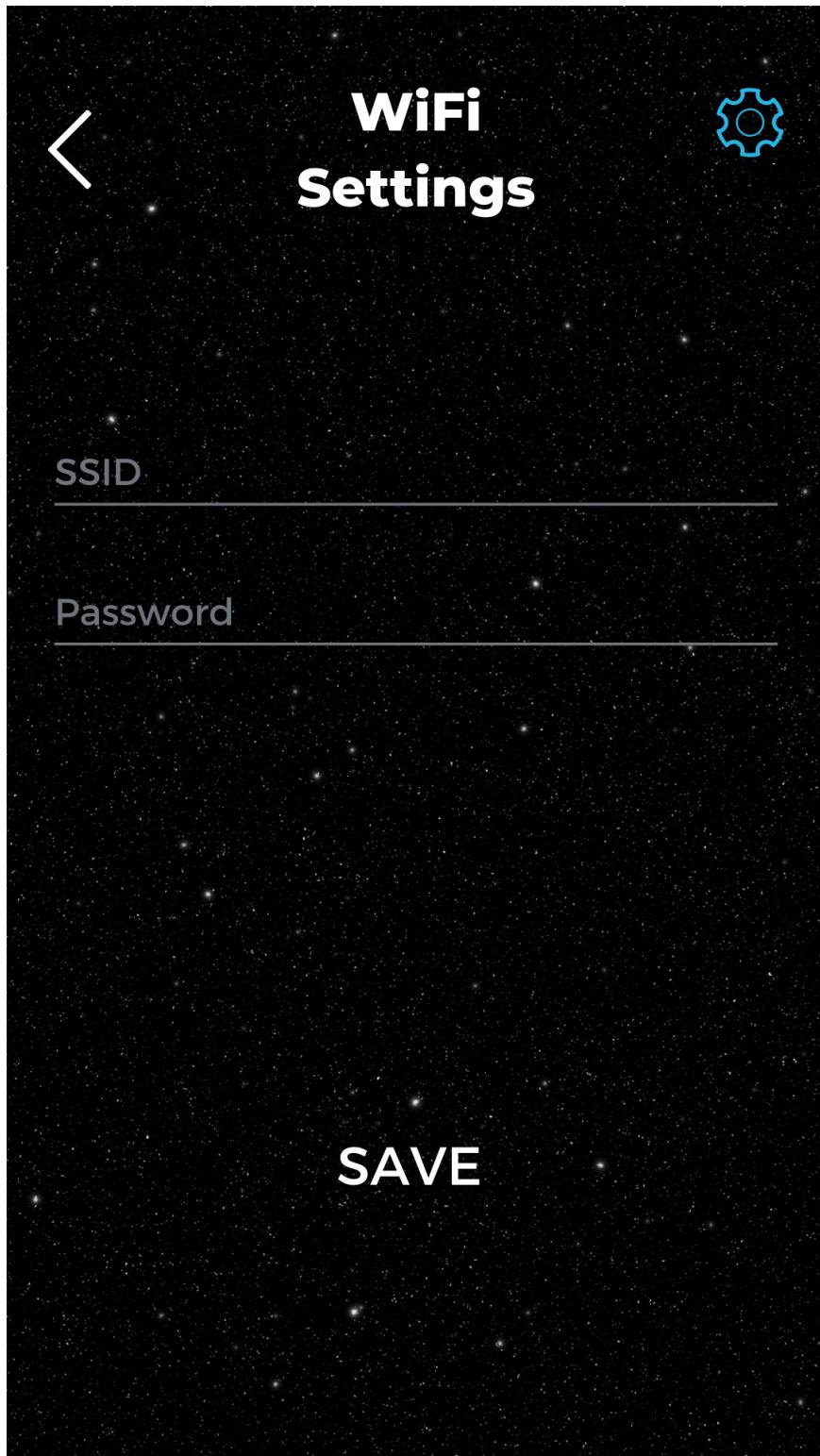


Old Passcode

New Passcode

Confirm New Passcode

SAVE



Configuring WiFi connection for Raspberry Pi

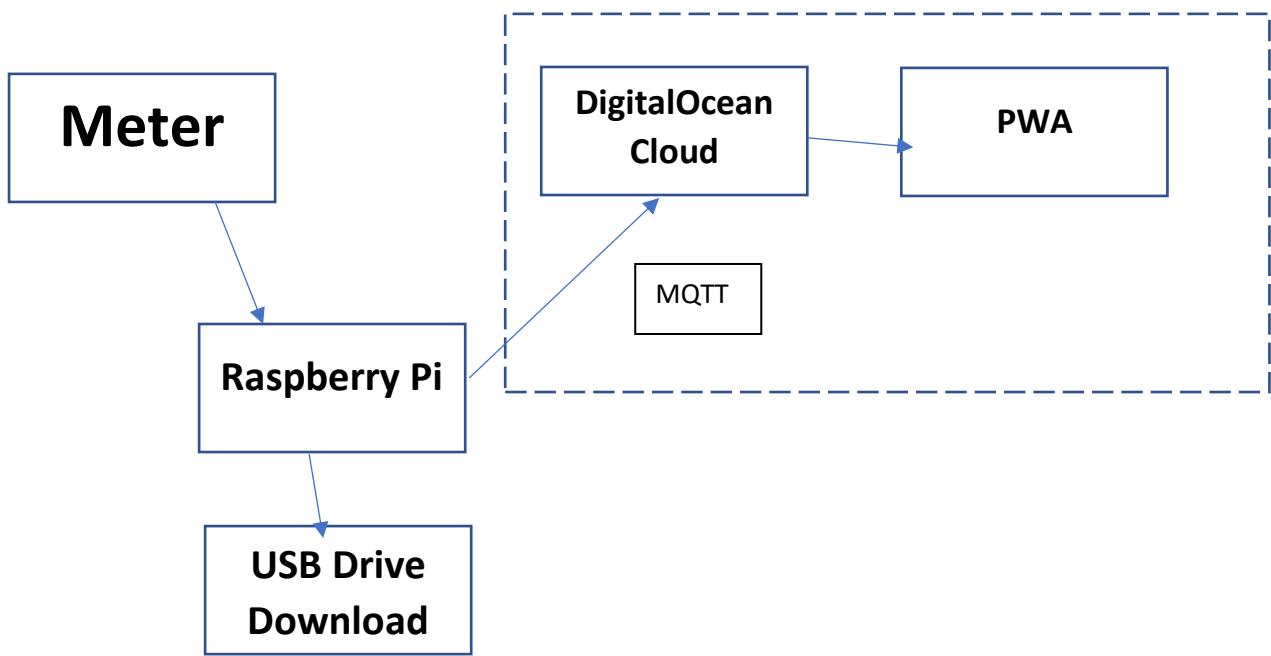
STATEMENT OF WORK (SOW)

This Statement of Work (“the Agreement”), is dated 19 August 2020, by and between kelvinsutandars (“Buyer”) and (“Freelancer”).

Offer will only be released by the Buyer after Freelancer fulfills all the following points:

- A LIVE Progressive Web App with all the functionalities described in all previous pages
- All aesthetic (fonts, colors, size, proportions) should look exactly as defined in this SOW unless stated otherwise
- MQTT credentials of the server / endpoint where Buyer can continuously upload SQL to cloud using MQTT and PWA can display real time data based on SQL
- The readings from uploaded SQL table can be viewed according to the specification of all previous pages on the PWA. This means that the scope of the Freelancer includes, but not limited to setting up Digital Ocean Droplet, installing apache server, php, mysql, phpmyadmin, and beta testing the web functionalities on LIVE website
- Smooth animation between pages, with the graphs, numbers and with status bar that looks like “SINEFO Role Model.gif” sent along this document
- Auto email functionality: every month, all data for that month will be sent in .csv form to registered email (log-in username)
- Add to Home screen (ie. add a shortcut to their Home screen so it can be accessed with a single tap) with notification pop-up
- PWA and Cloud able to work with Raspberry Pi (see next page)
- The pricing negotiated by Buyer and Freelancer of \$850 in 1-1.5 months is based on Freelancer’s judgement of the currently available code. By signing this document the Freelancer has agreed that the Buyer has no responsibility shall the Freelancer later finds the code to be unsatisfactory.
- The progression of the project will be as follow in this order
 1. All aesthetic and functions should be approved by Buyer, then
 2. Freelancer uploads the script to be LIVE on DNS www.sinel-sinefo.com, then
 3. Freelancer tests all functionalities to be working as stated in this SOW, then
 4. Only then the Buyer will release the offer

Project outline (Freelancer scope is marked in dashed rectangle):



FREELANCER:

Signature