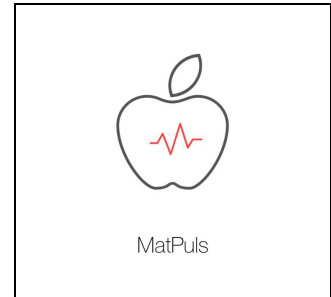


# MatPuls app

## Documentation

*Last modified: 11th of December 2016*



## Customers screen

The initial screen of the app is the customers screen. Here, the user is presented with a list of customers. A new customer can be added by touching the red plus button in the upper right corner. Upon doing this, a form will be presented, which the user can fill in with information. The form prompts you to provide an email address in addition to the name of the customer. This email address is used by the app after the user has generated a PDF report and wants to send it. By providing the email address in this step, the user doesn't have to enter it manually every time he/she wants to send a PDF-report to the customer.

## Reports screen

The reports screen simply contains a list over the reports of a given customer. A report is identified by the date at which it was created. Adding a new report can be done in the same fashion as adding a new customer, and the same goes for the coolers screen and the measurements screen.

## Coolers screen

This screen lists all the coolers associated with a report, their names and temperatures ranges. A cooler is simply a cooling unit, like a fridge or a freezer. A cooler specifies a temperature range, e.g. 1 - 4°C. This implies that food contain in this cooler should hold a temperature within that range.

## Measurements screen

This is the final screen of the different models (customers, reports, coolers, measurements). It contains measurements pertaining to a cooler. A measurement has three properties:

- Unit - The unit measured. E.g. Fish, milk, meat.
- Place measured - The place that was measured. E.g. Air, cabinet #1, tray #4.
- Temperature - The measured temperature.

If the temperature of the item outside of the limits set by the cooler it's stored in, an icon will appear next to it. There are 4 different icons (emojis):

- Neutral face - The temperature is slightly outside of the desired range, but doesn't pose any immediate risk.
- Unsatisfied face - The temperature is moderately outside of the desired range, and does pose a risk.
- Garbage - The temperature is so far outside of the desired range that the item is most certainly inedible and hazardous to consume.

## PDF screen

After the user has created a report and added at least one cooler to it, it's possible to generate a PDF document based on the data stored in the report. This is done by selecting the desired report, upon which the app will prompt the user to either make changes to the report or generate a PDF document. Once the PDF document is generated, it can be sent to the customer through email by touching the composition button in the upper right corner.