

# Sprint 3 review

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Electrical consumption meter visualization

26/11/2020

Previous sprint

Visual updates

Rooms visualization

Documentation

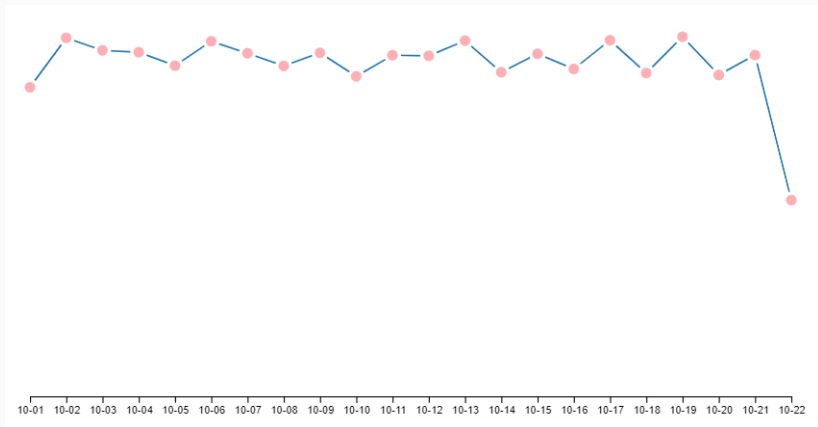
Testing

## Previous sprint

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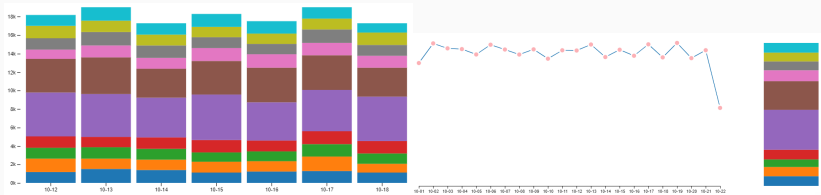
# Month view

- A line chart was developed for the month view



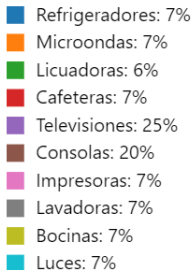
# Week and day view

- Stacked bar charts were developed for the week and day views



# Legend

- A one column legend was developed to relate devices to the charts



## Visual updates

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# Legend

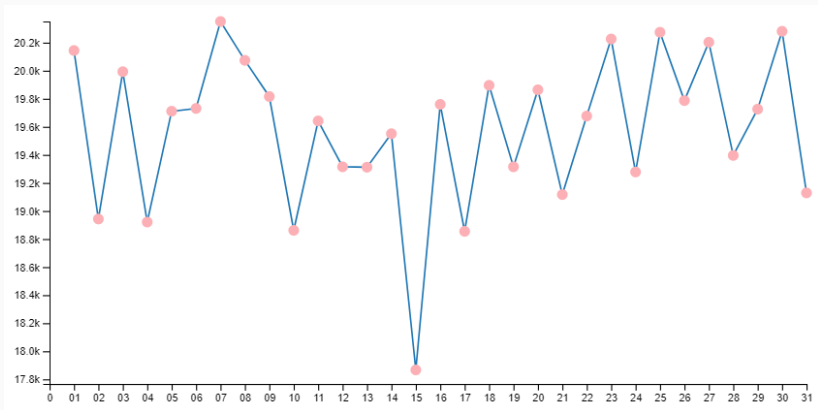
- The legend was divided into columns and sorted according to their contribution to the consumption of the selected time frame

|                     |                  |                  |                      |
|---------------------|------------------|------------------|----------------------|
| ■ Televisiones: 25% | ■ Licuadoras: 7% | ■ Impresoras: 6% | ■ Refrigeradores: 6% |
| ■ Consolas: 18%     | ■ Bocinas: 6%    | ■ Lavadoras: 6%  |                      |
| ■ Luces: 13%        | ■ Cafeteras: 6%  | ■ Microondas: 6% |                      |



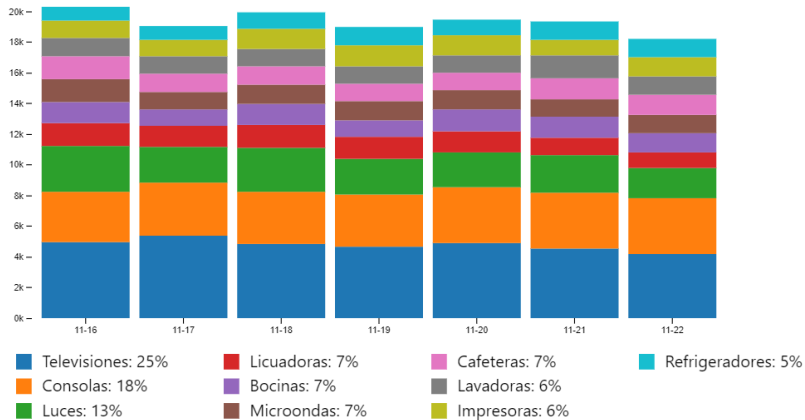
# Line chart

- The scale was adjusted
- The line is now continuous
- Y axis was added
- Visual cues on hover



# Bar charts

- The section of the bars are now sorted



# Rooms visualization

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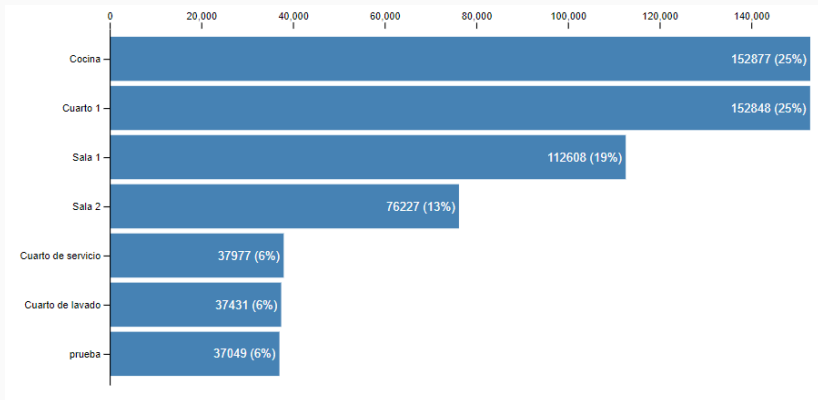
# Filter by room

- The user can now select a specific room to visualize
- The chart changes accordingly



# Consumption by room

- A new chart to visualize consumption by room was added in a new tab



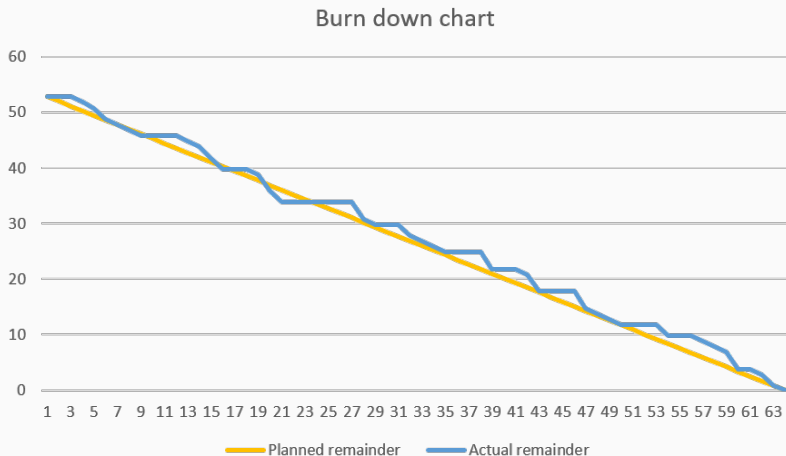
# Documentation

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- The project repository is available at <https://github.com/DanielaAlvarado/electrical-consumption-meter>

# Project follow up

- The burn down chart and a link to the Scrum board are included in the repository





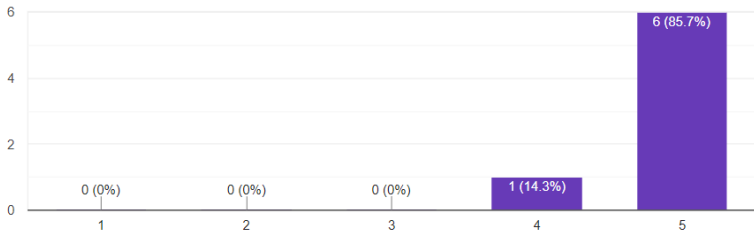
- The following manuals are included in the repository
  - User manual
  - Technical manual
  - Installation manual

# Testing

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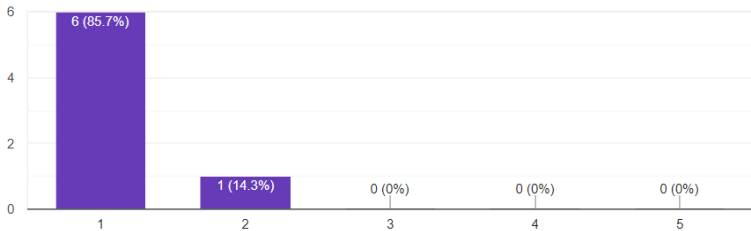
I think that I would like to use this system frequently.

7 responses



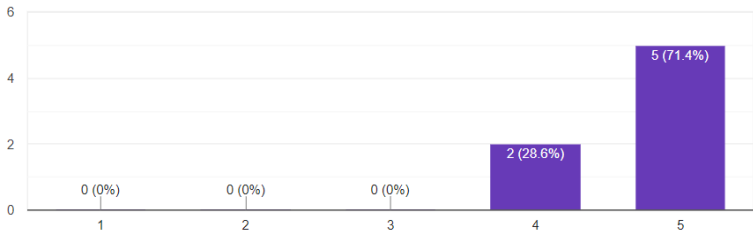
I found the system unnecessarily complex.

7 responses



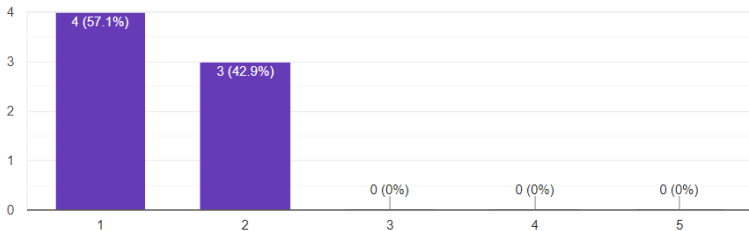
I thought the system was easy to use.

7 responses



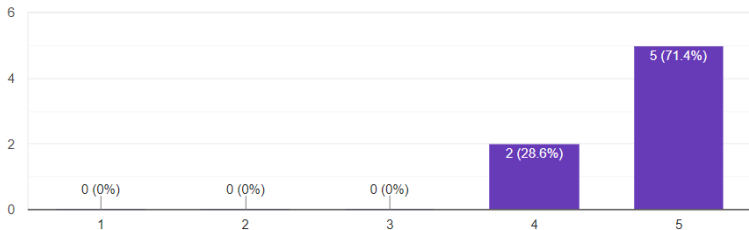
I think that I would need the support of a technical person to be able to use this system.

7 responses



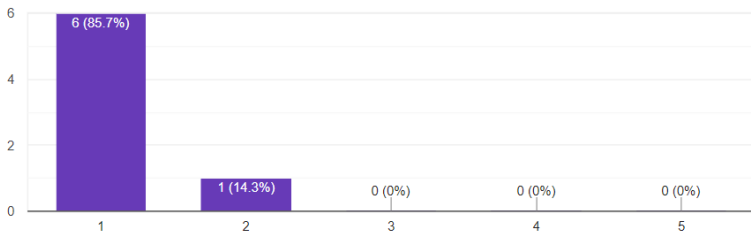
I found the various functions in this system were well integrated.

7 responses



I thought there was too much inconsistency in this system.

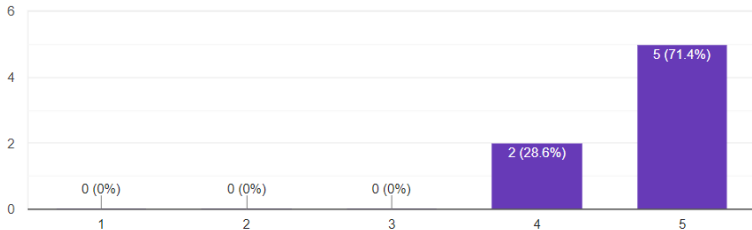
7 responses





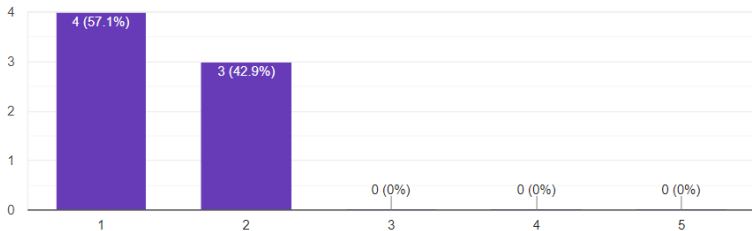
I would imagine that most people would learn to use this system very quickly.

7 responses



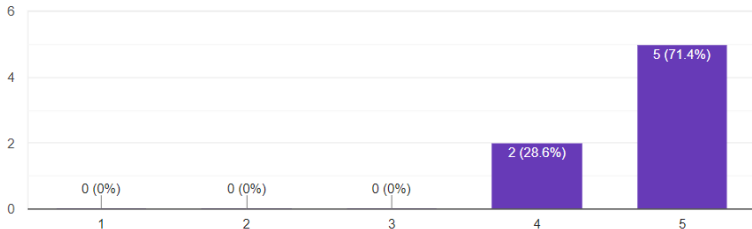
I found the system very cumbersome to use.

7 responses



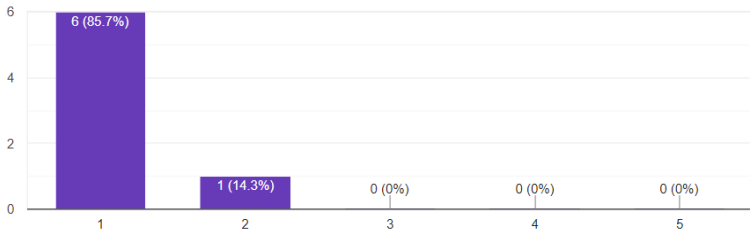
I felt very confident using the system.

7 responses



I needed to learn a lot of things before I could get going with this system.

7 responses



- The following functionalities will now be demonstrated
  - As a user, I want to view the electrical consumption chart for a specific room in my house, so that I can focus only on a subset of devices of my interest.