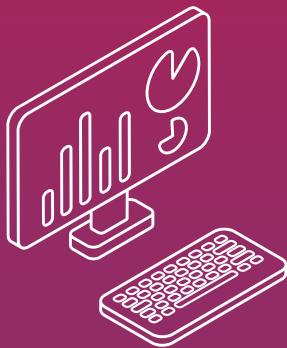


SMART RESIDENCE

IES Project 2022/2023



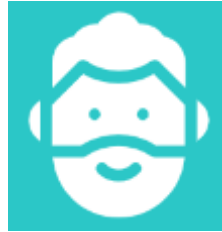
Our Team



David Cobileac

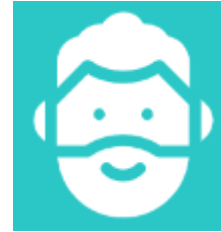
DevOps Master

Team Manager



Manuel Diaz

Product Owner



Pedro Coelho

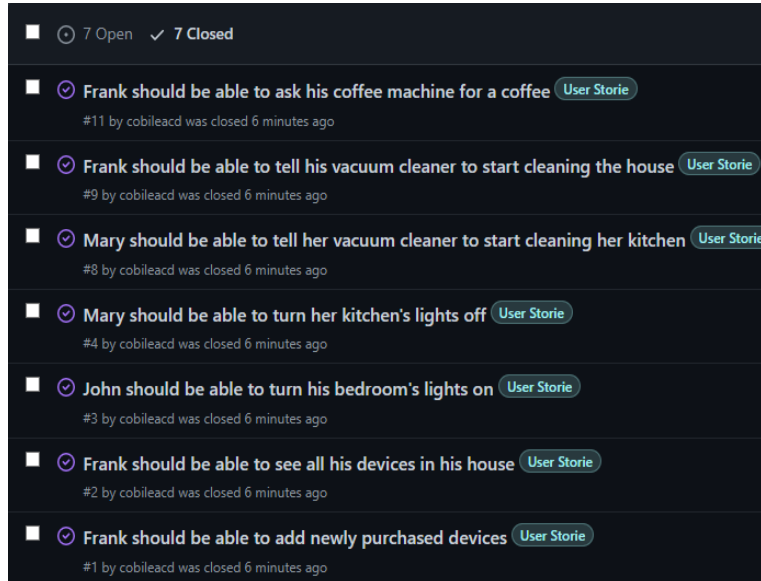
Architect

Product Objectives

- Produce an application that could be useful to people, in general;
- To control their smart devices in their homes;
- Manipulation of the devices, such as turning a light on or off, programming the Hoover to clean or the coffee machine to make a coffee



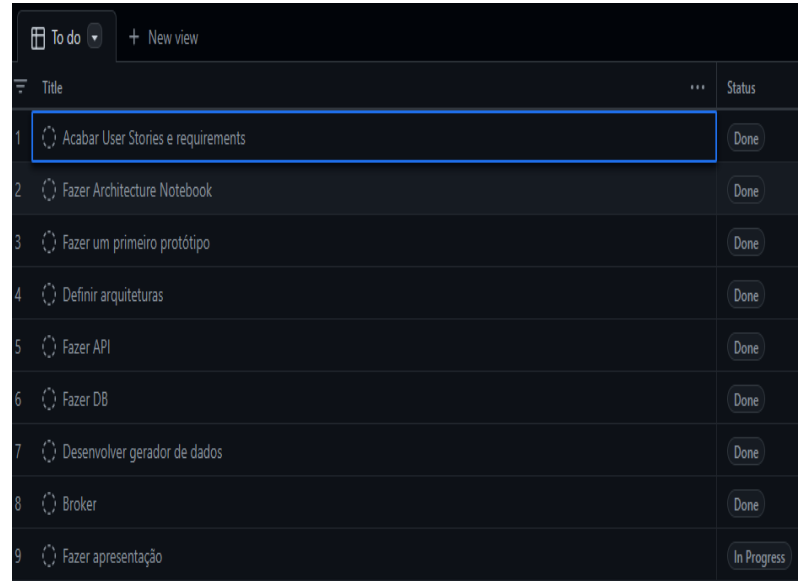
Project Management



A screenshot of a Jira Issues board. At the top, it shows '7 Open' and '7 Closed'. The list contains seven user stories, each with a 'User Story' label and a status of 'Closed'.

- Frank should be able to ask his coffee machine for a coffee (User Story) #11 by cobileacd was closed 6 minutes ago
- Frank should be able to tell his vacuum cleaner to start cleaning the house (User Story) #9 by cobileacd was closed 6 minutes ago
- Mary should be able to tell her vacuum cleaner to start cleaning her kitchen (User Story) #8 by cobileacd was closed 6 minutes ago
- Mary should be able to turn her kitchen's lights off (User Story) #4 by cobileacd was closed 6 minutes ago
- John should be able to turn his bedroom's lights on (User Story) #3 by cobileacd was closed 6 minutes ago
- Frank should be able to see all his devices in his house (User Story) #2 by cobileacd was closed 6 minutes ago
- Frank should be able to add newly purchased devices (User Story) #1 by cobileacd was closed 6 minutes ago

Issues



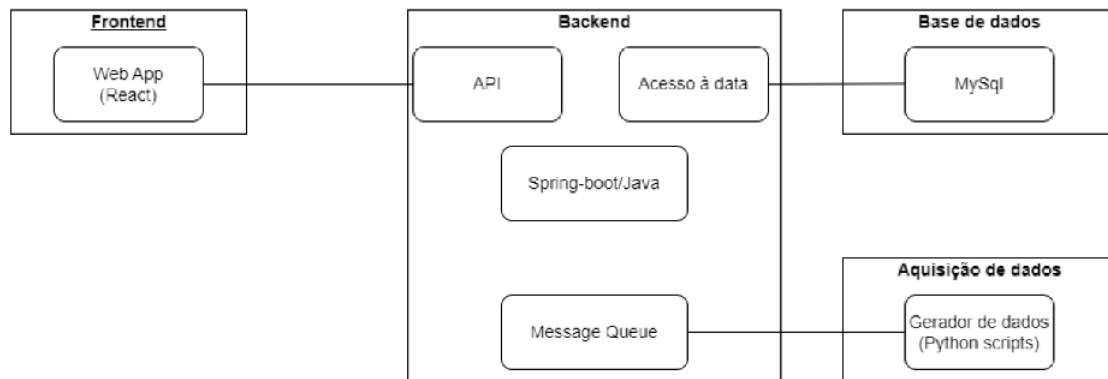
A screenshot of a Jira To do board. At the top, it shows 'To do' and '+ New view'. The list contains nine tasks, each with a status.

Title	Status
Acabar User Stories e requirements	Done
Fazer Architecture Notebook	Done
Fazer um primeiro protótipo	Done
Definir arquiteturas	Done
Fazer API	Done
Fazer DB	Done
Desenvolver gerador de dados	Done
Broker	Done
Fazer apresentação	In Progress

To do



Architecture



Backend

 RabbitMQ

 python™

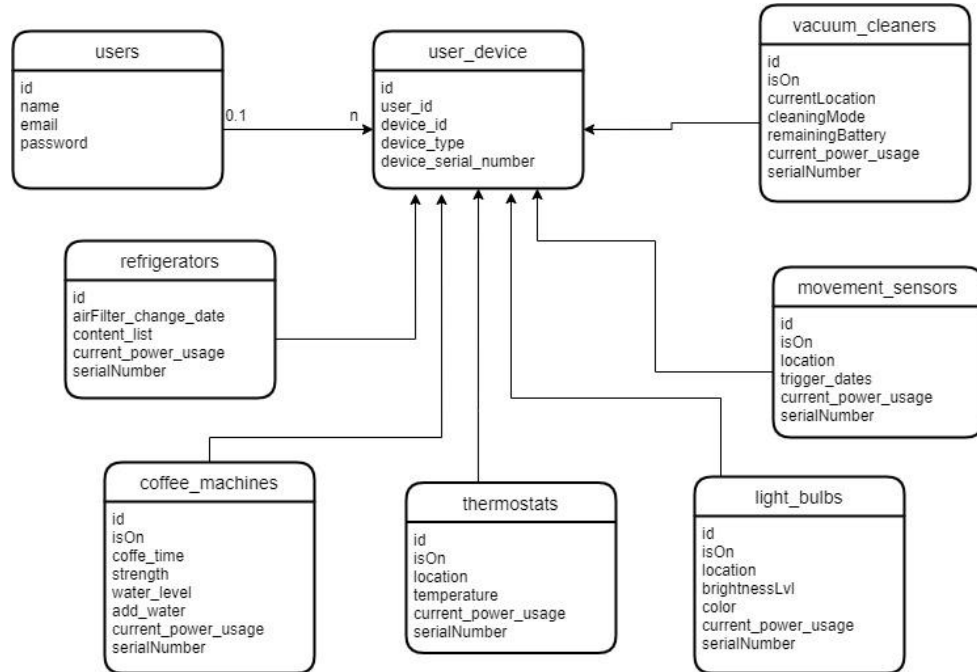
Data Generation and
Messages Handling



Database Model



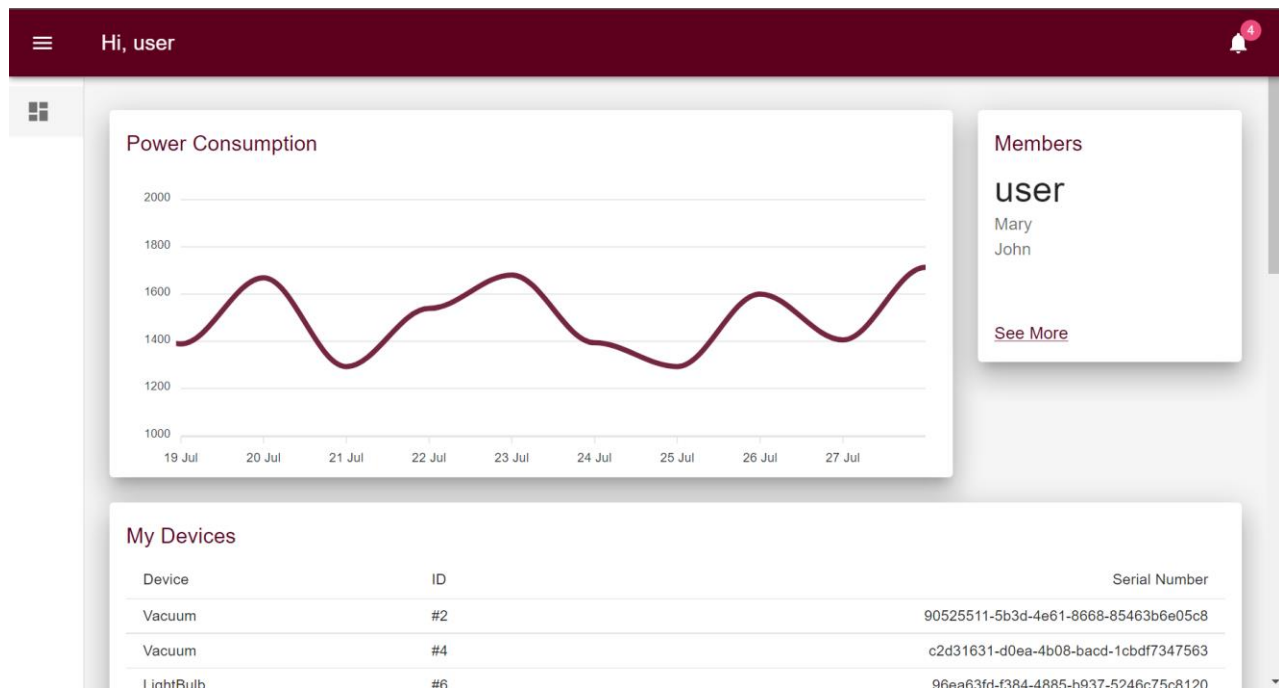
Database Model



API Documentation

<https://documenter.getpostman.com/view/24104645/2s8Z72VrtP>

DEMO





Thank you!

