SmartHomes Smartlamas Sn Sn Sn Sn Sn

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IES GROUP PROJECT

P2 - LEI

68264: Bruno Lopes 108712: Diogo Falcão 108011: Fábio Matias 107927: Rúben Garrido

Introduction

- The SmartHomes application is designed to address the problem of efficient and sustainable home resources management.
- Therefore, it provides a solution for homeowners to monitor and control their electricity and water.
- This solution is made for it to work in all and any devices plugged into the house (unlike HomeKit), as it is not dependent on the devices but on the physical interfaces they are plugged into.

Team Roles



Team Manager

Bruno Lopes



Architect

Diogo Falcão



Product Owner

Fábio Matias



DevOps Master

Rúben Garrido

Personas

Sara Mathews

·Age: 39 years old

·Job: Doctor

·Sara seeks innovative ways to reduce her carbon footprint and strive for a greener, more sustainable future for all



Peter Williams

·Age: 28 years old

·Job: Software Engineer

·Peter wants to manage his home, tracking energy and water consumption.



John Lennon

·Age: 56 years old

·Job: Lawer

"He has various homes and the goal is to have an app to control all of them at once.



Anna Franklyn

·Age: 34 years old

·Job: Restaurant Owner

·Anna wants to keep track of her devices costs and reduce them.



Epics





Homes

Houses Divisions



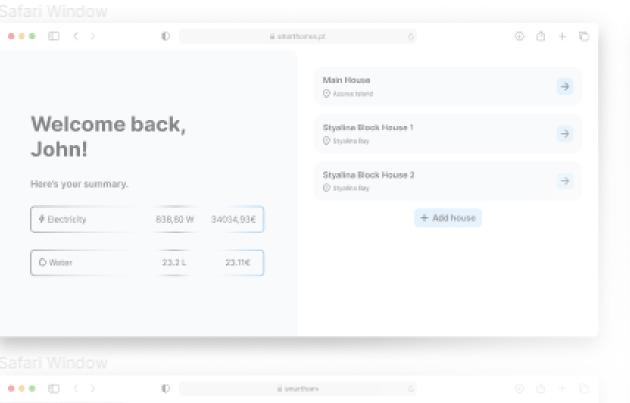
Smart Devices

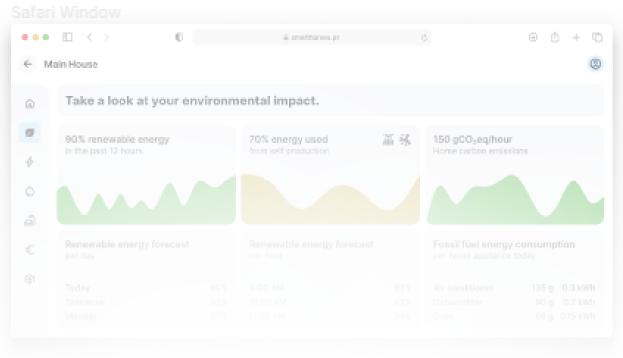


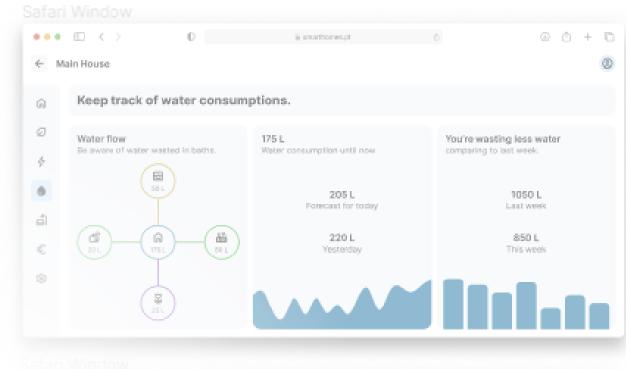
Energy and Water Management

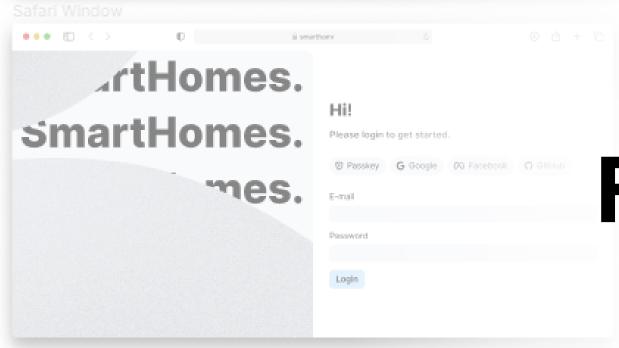
User stories

- As Anna, I want to register several houses and their electrical system in one app.
- As John, I need to control every bit of water used in a drought in its region.
- As Peter, I would like to oversee electronic devices connected to the house grid.
- As Ana, I would much like to get notified about the percentage of the grid energy that can supply the house.
- As John, I want to turn off electronic devices with just a few taps through the app.
- As Petter, I need to have a place where I can get a summary of all my electricity and water related costs.



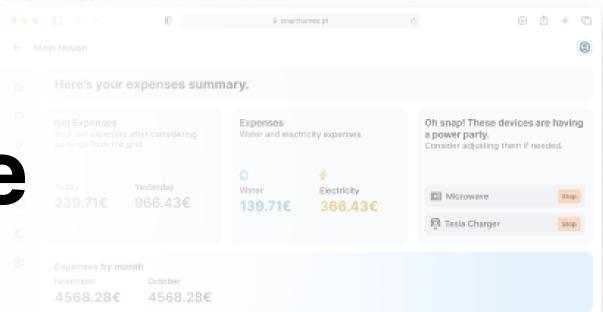


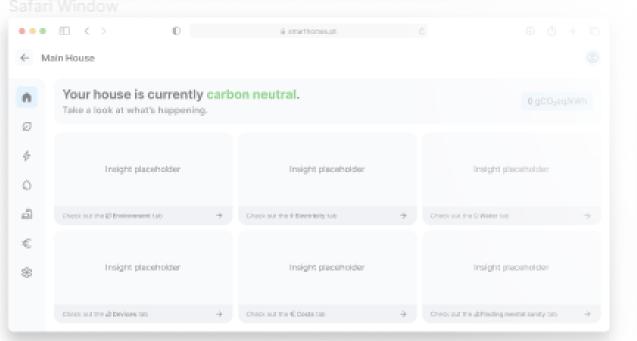




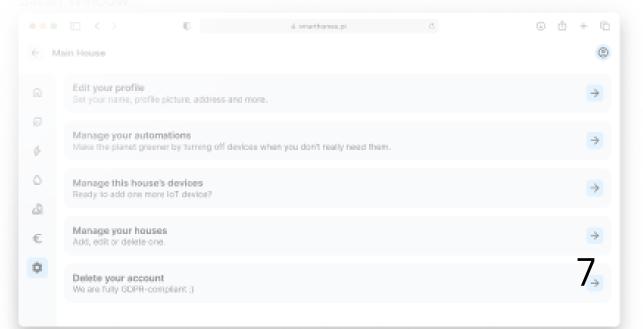


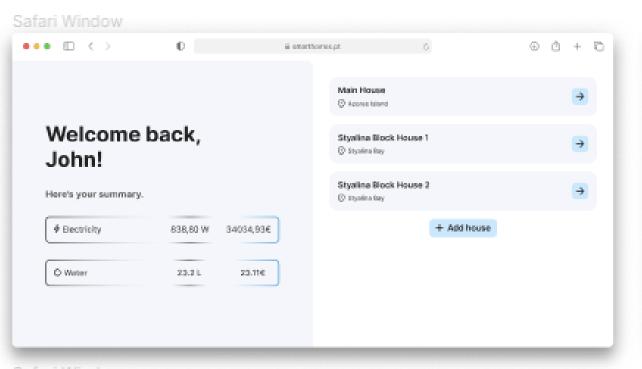


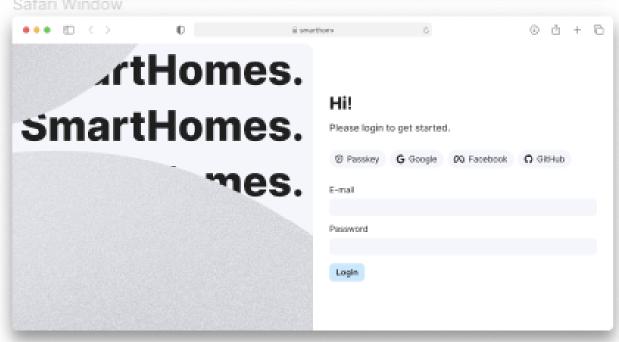


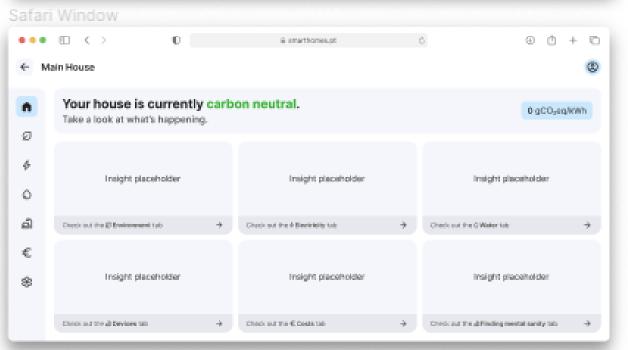






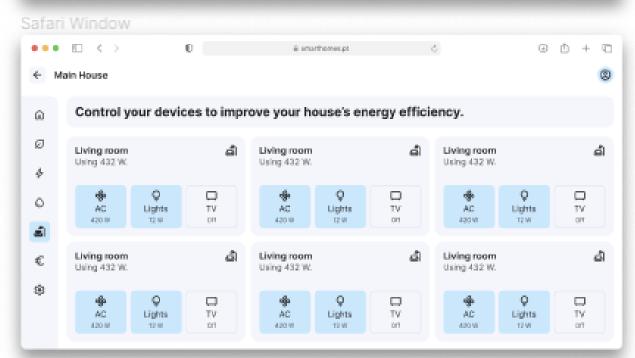


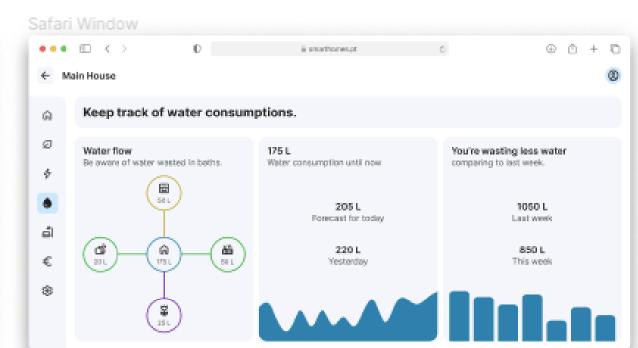


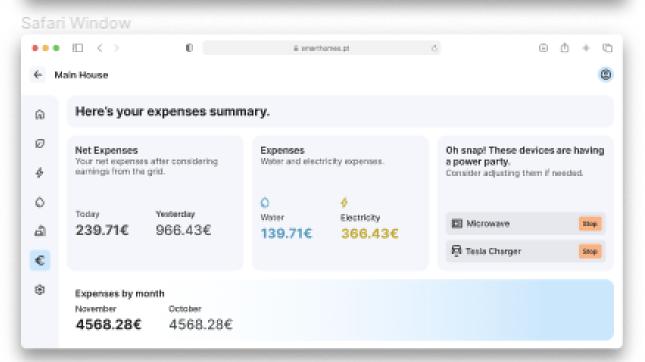


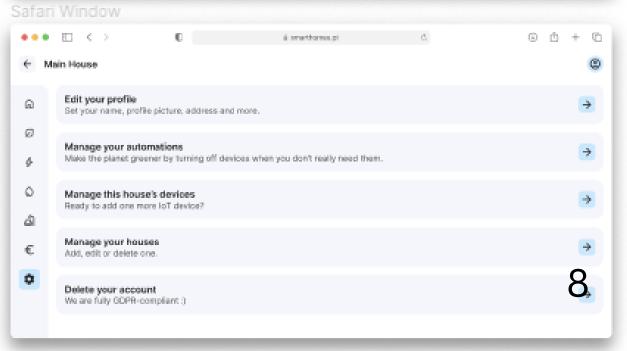




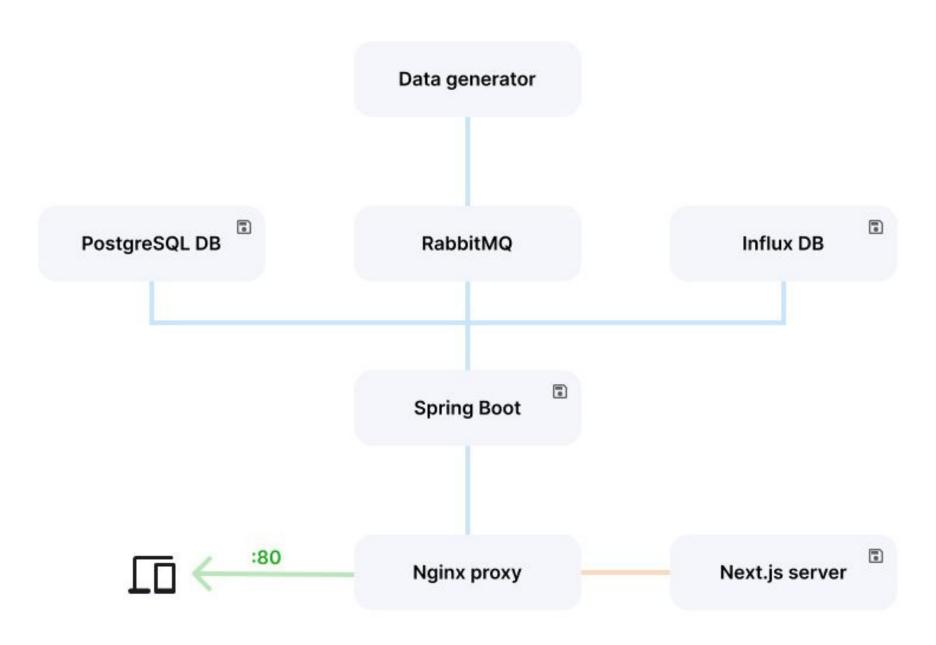




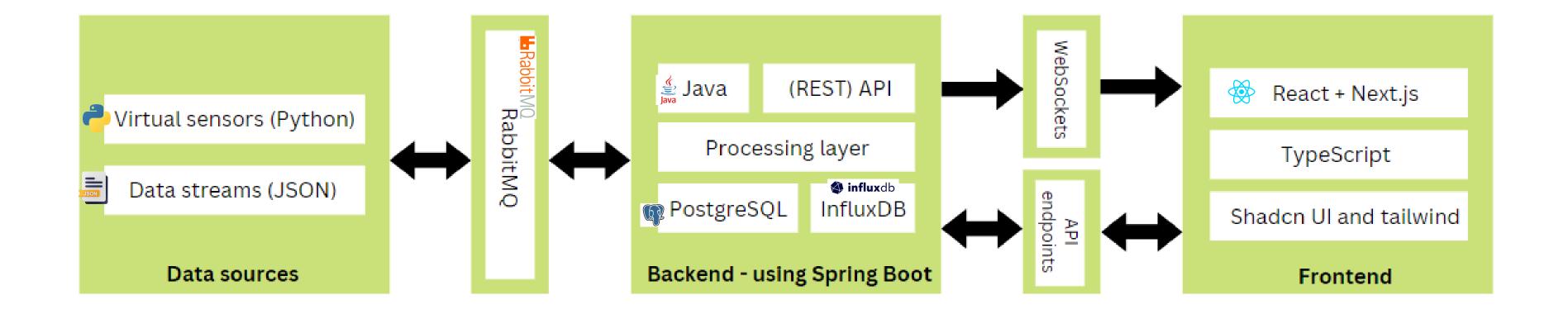




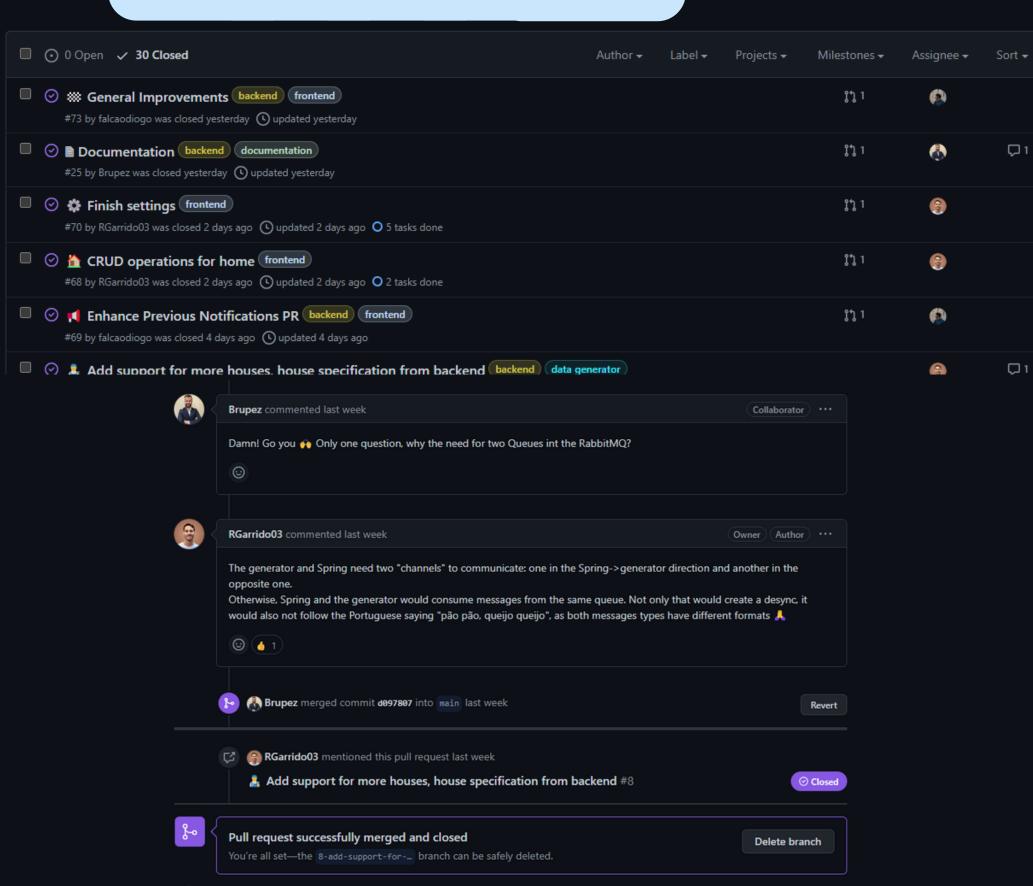
Containers organization



ARCHITECTURE



GitHub Board



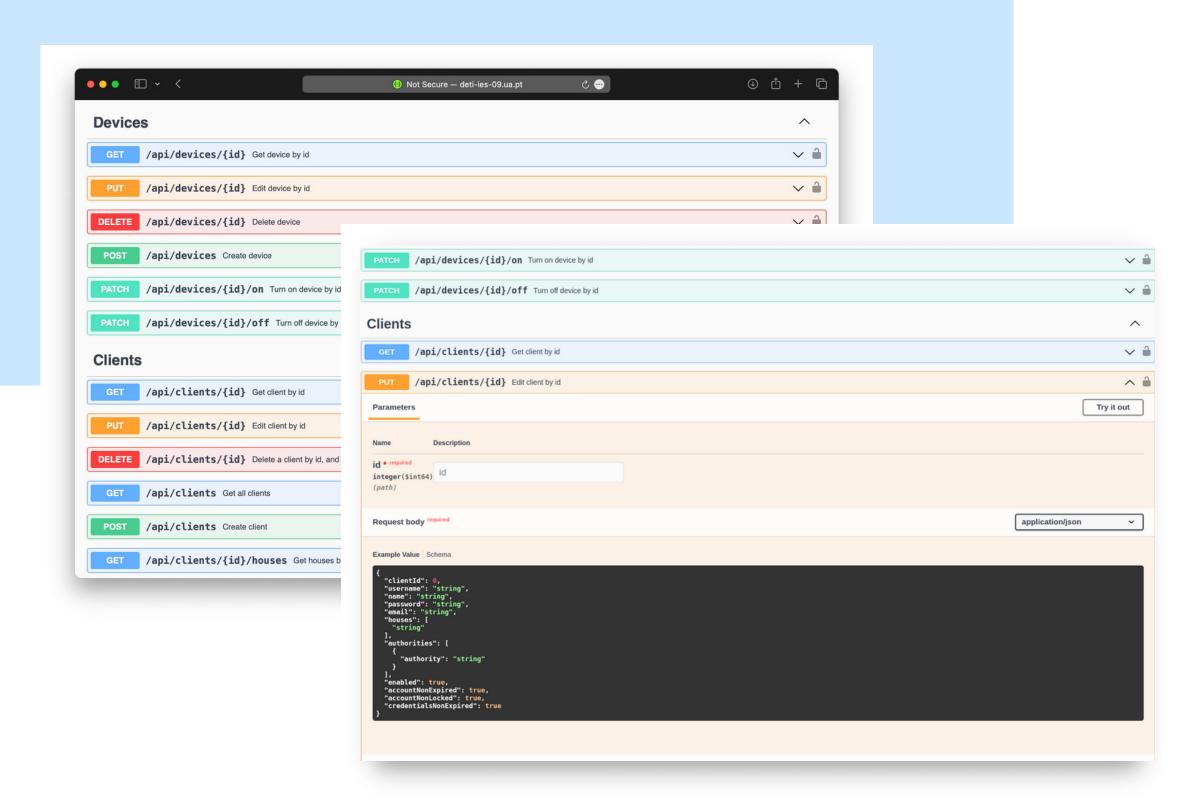
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14	▶ Devices page #49	\delta Brupez	Iteration 2
15		RGarrido03	Iteration 2
+	Add item		
,	Iteration 3 (18) Nov 30 - Dec 13		
16	(2) As John, I need to control every bit of water used in a drought in its region.		Iteration 3
17	As Peter, I would like to oversee electronic devices connected to the house grid.		Iteration 3
18	As John, I want to turn off electronic devices with just a few taps through the app.	🔊 falcaodiogo	Iteration 3
19			Iteration 3
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22	Settings page #35	SlicF	Iteration 3
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24		(falcaodiogo	Iteration 3
25		RGarrido03	Iteration 3
26		RGarrido03	Iteration 3
27		RGarrido03	Iteration 3
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30	№ 32 environment page #59	🔥 Brupez	Iteration 3
31		falcaodiogo	Iteration 3
32	% Add notification support #63	falcaodiogo	Iteration 3
33	Add support for more houses, house specification from backend #8	RGarrido 03	Iteration 3
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~	Iteration 4 7 Dec 14 - Dec 20 Current		
34	 As Ana, I would much like to get notified about the percentage of the grid energy that can supp 		Iteration 4
35	() As Petter, I need to have a place where I can get a summary of all my electricity and water relate		Iteration 4
36		🚯 Brupez	Iteration 4
37		RGarrido03	Iteration 4
38		falcaodiogo	Iteration 4
39		RGarrido03	Iteration 4
40		falcaodiogo	Iteration 4
+	Add item		

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SWAGGER

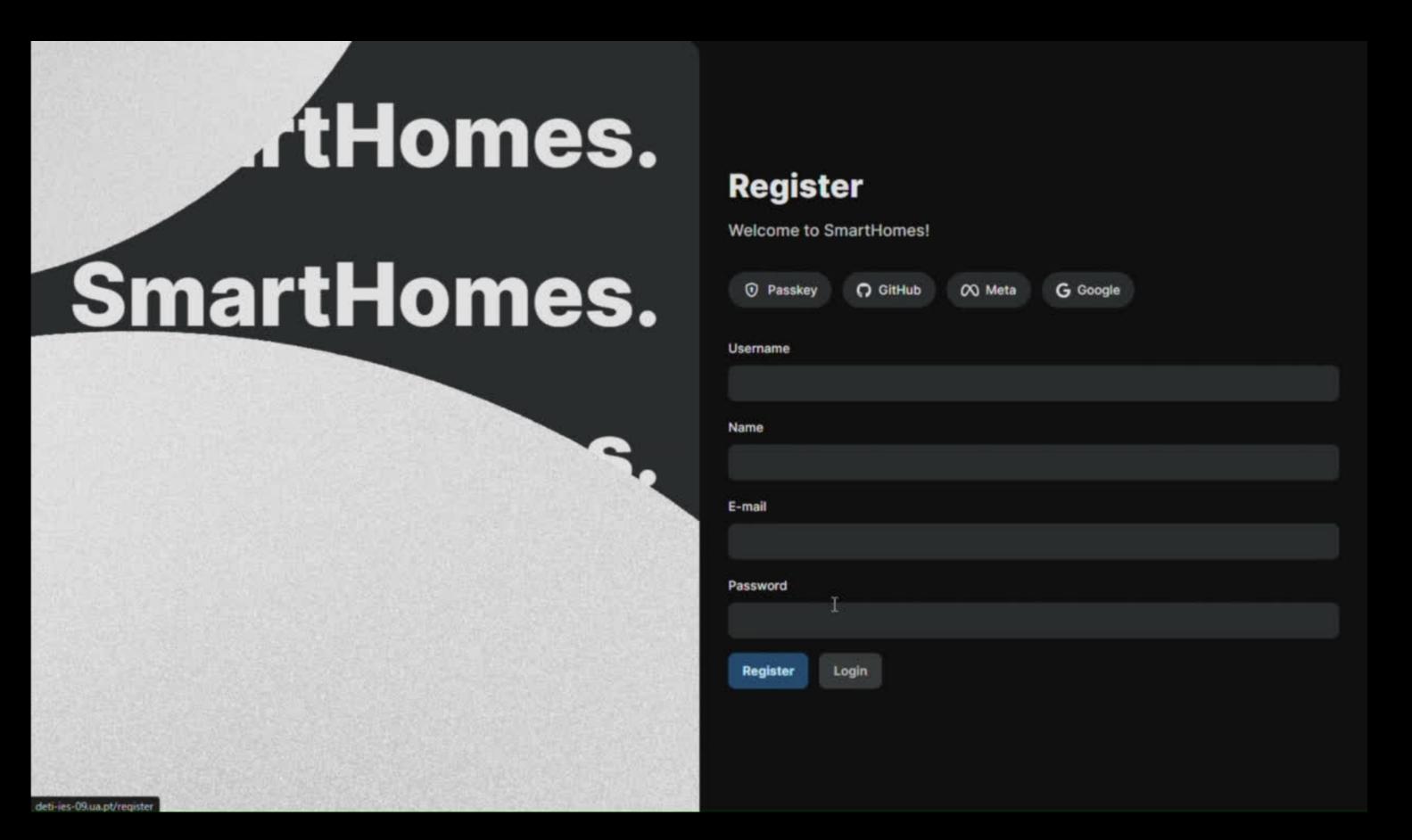
Rest API Documentation Swagger UI



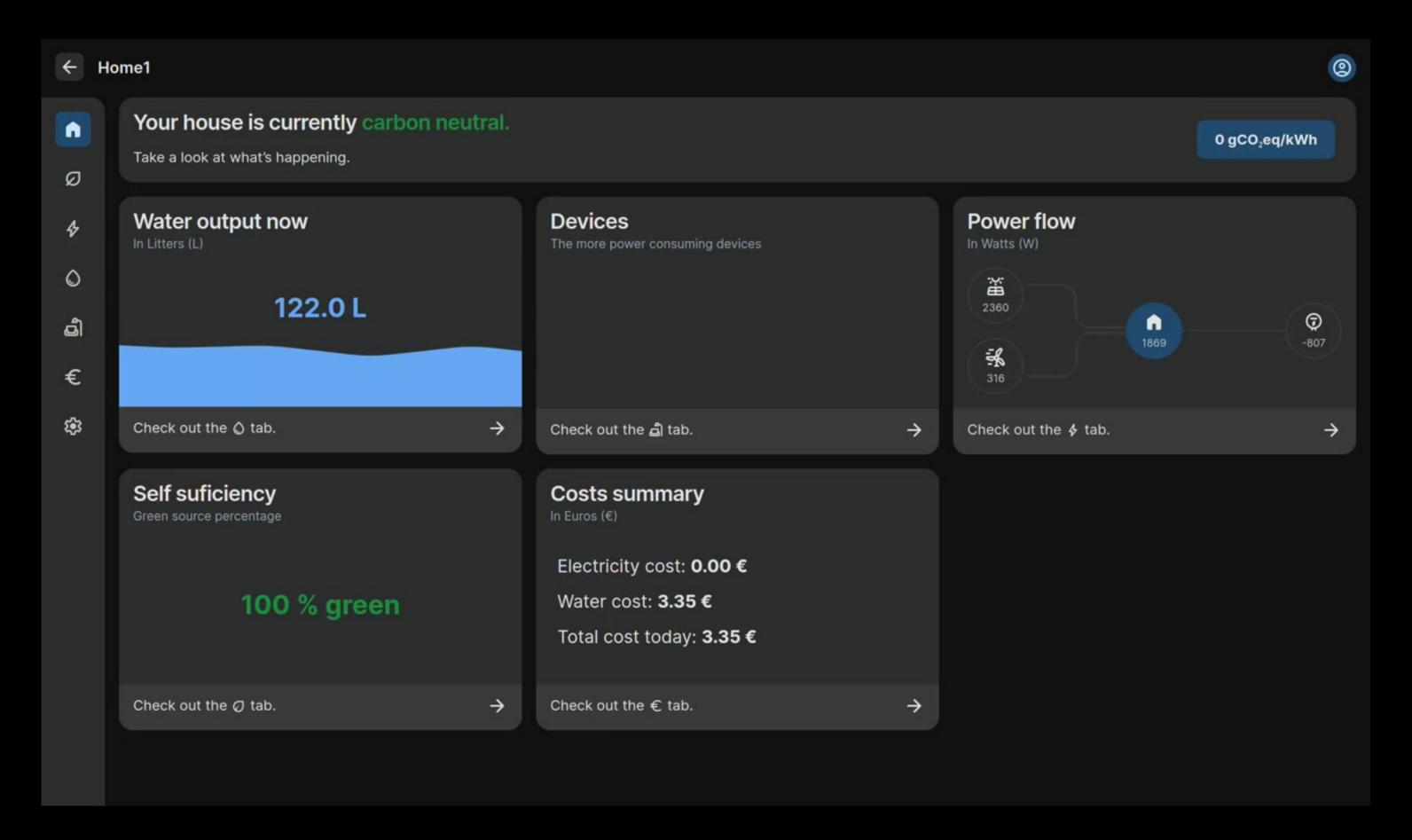
http://deti-ies-09.ua.pt/api/docs/index.html

DEMOS

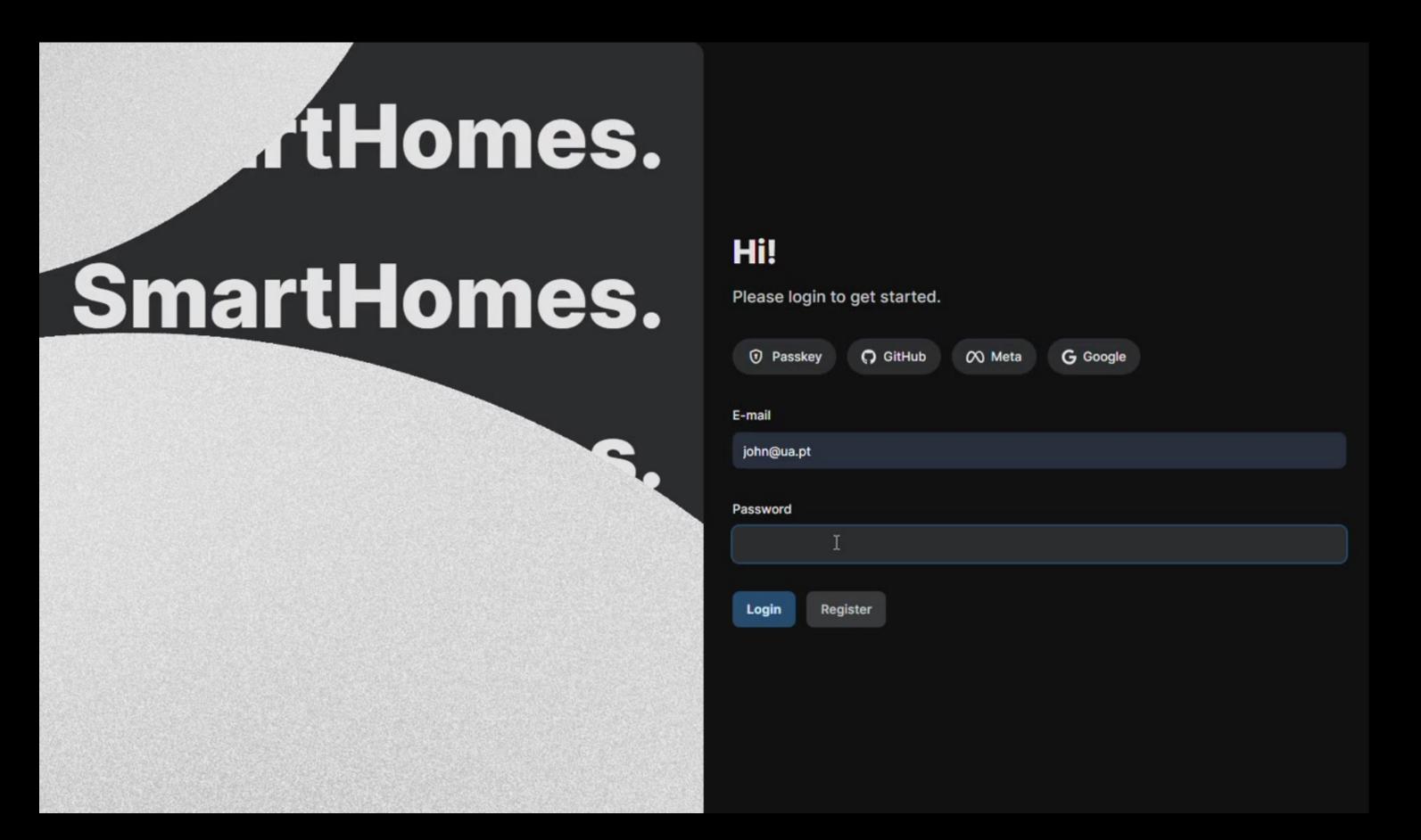
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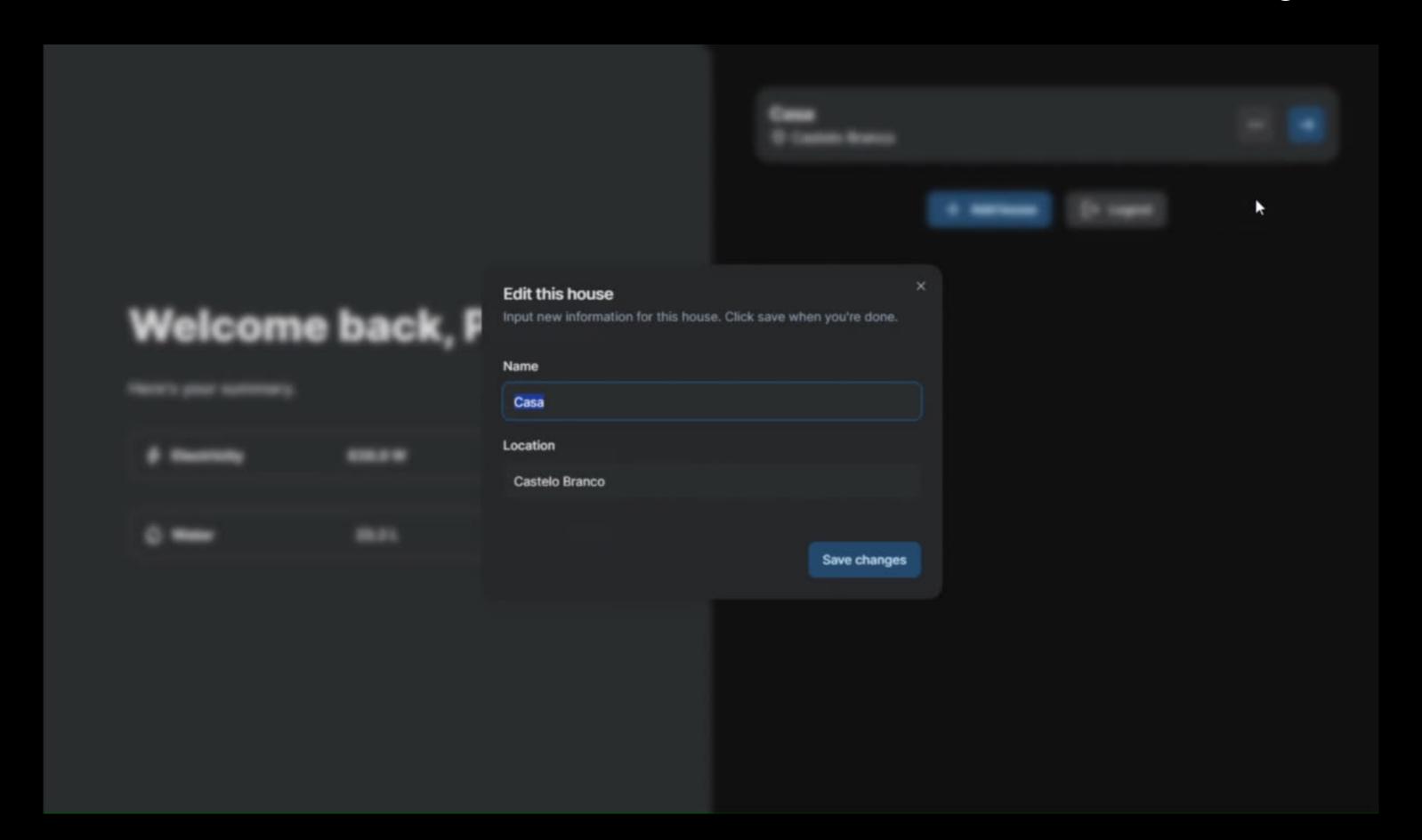
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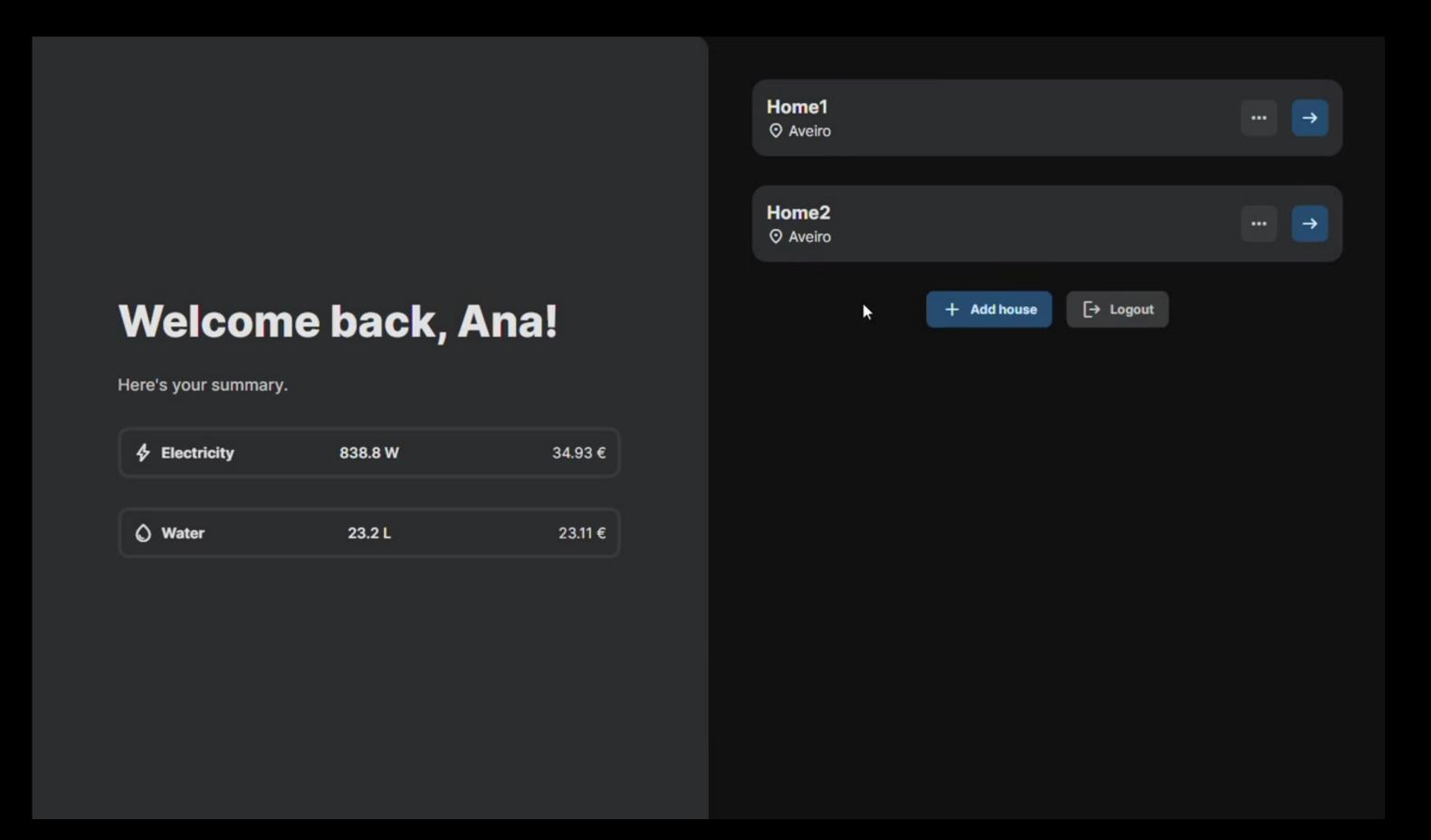
As John, I need to control every bit of water used in his house.



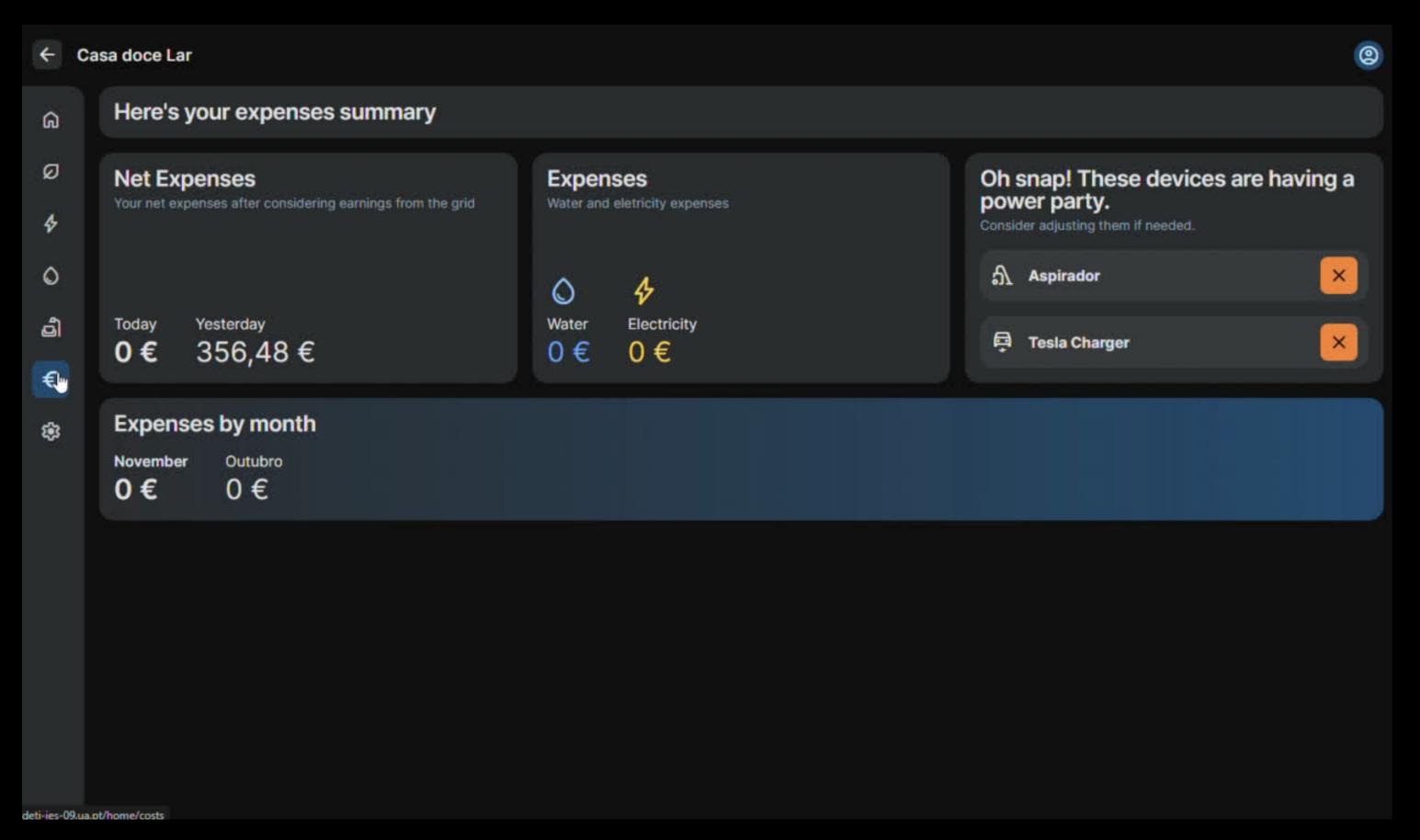
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As Ana, I would much like to get notified about the maximum percentage of the grid energy that can supply the house.



As Petter, I need to have a place where I can get a summary of all my electricity and water related costs.



THANKYOU

Have any question?

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