GRAPHICAL DESIGN OF AN ENERGY DASHBOARD FOR A PHYSICAL SMART HOME CONROL PANEL

As part of the H2020 SERENE[1] project, an energy dashboard for mobiles has been developed for the community of Aardehuizen[2]. The 1st version of the prototype has been deployed to the apple and google play store, and members of the community will be using it over summer. However, some inhabitants would like to have access to their energy data without the need to use their mobile phones, which is why we plan to design, in parallel to the mobile app, a dashboard for the NSPanel Pro Smart Home Control Panel[3].

For this assignment, we are looking for a student who is proficient in UI-UX design and would be interested in designing the dashboard for the control panel. The challenge lies in creating an intuitive, appealing and engaging design for such a small screen. This task will entail exploring different themes and styles that would resonate with the target audience, testing these ideas with the community members, and then creating a prototype of the dashboard in the new style. The student must make sure that a detailed stylesheet, along with any additional documentation needed to continue the development and integration of the application once the graduation is finished, is provided. The student will also need to create all the necessary graphical assets for the application to be implemented by an in-house developer.

TASK DESCRIPTION

- Creating **concepts** of the dashboard in different styles/themes that suit the target audience.
- Define the **characteristics** of these themes/styles (to understand how they differ).
- **Test** the concepts with the community to **select** the most suitable one.
- Design a **prototype** of the dashboard using the selected concept.
- **Evaluate** the final prototype with the community.

PRACTICAL INFORMATION

- **Student profile:** CMGT (design/art) grad student
- **Contact person(s):** Alejandro Moreno **(a.m.morenocelleri@saxion.nl)**
- **Research group Ambient Intelligence** saxion.edu/ami
- **Related project: H2020** SERENE (https://h2020serene.eu)

[1] https://www.saxion.edu/business-and-research/research/smart-industry/ambient-intelligence/serene

[2] https://www.aardehuis.nl/index.php/nl/

[3] https://sonoff.tech/product/central-control-panel/nspanel-pro/