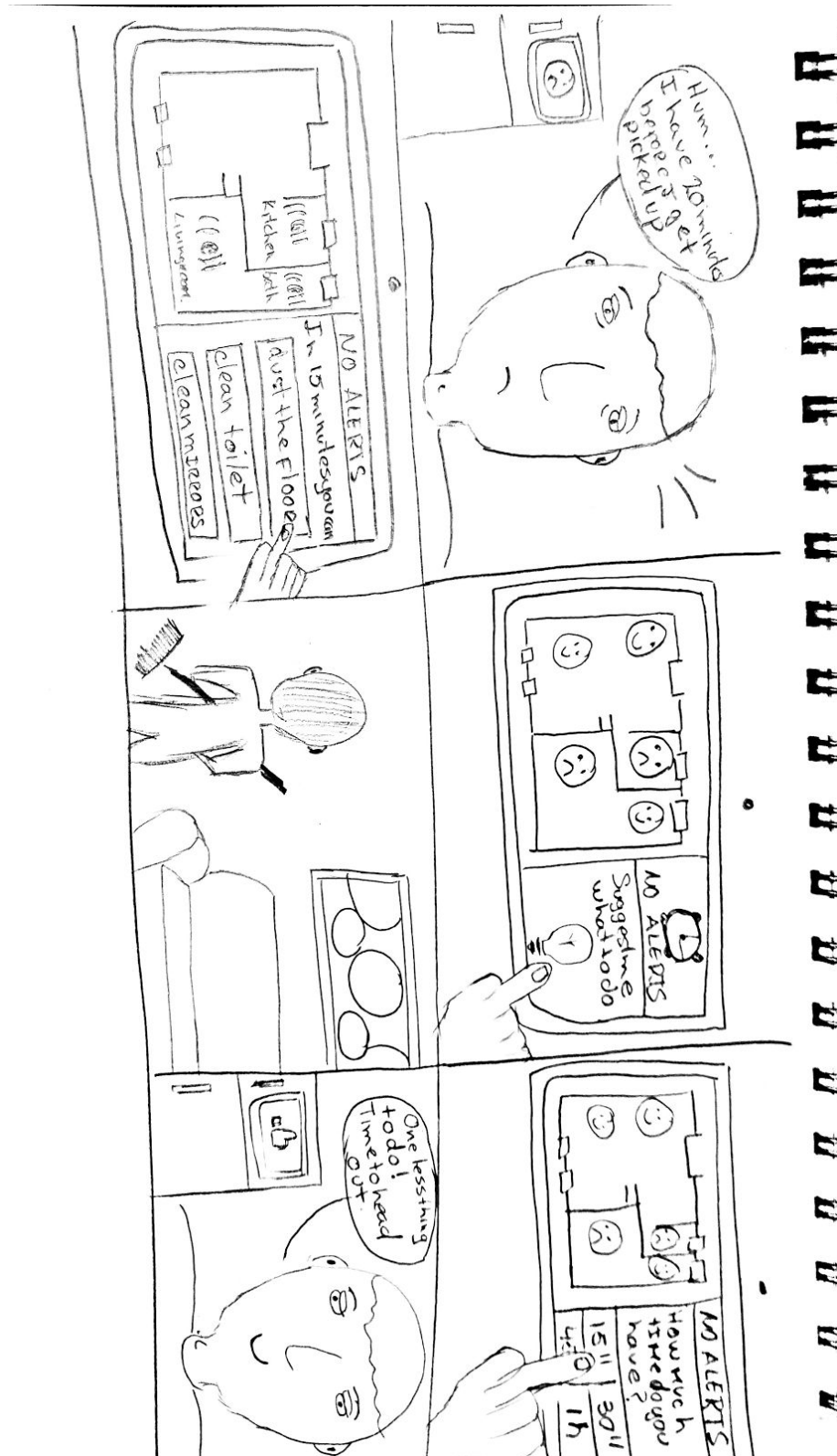Andrew Tat, Yoanna Dosouto, Doaa Alsharif & Siddhartha Gorti
CSE 440AB (Cleaning and the Internet of Things)
Assignment 2g: Design Review

The design that we are moving forward features a dashboard that will then be placed in a centralized area of the house (e.g. kitchen). The centralized dashboard allows easy access and provides a comprehensive view of the house. From the dashboard, users can visualize the state of their cleanliness and can target the areas that need their attention. This design is able to accomplish our two main tasks, the ability to prioritize and generate cleaning tasks based on a user input of time and the ability to provide a roadmap of the necessary chores to account for the presence of external triggers (eg. guest coming over). From our contextual inquiries we saw the formation of some major themes when it came to people's cleaning habits. For many people, a clean environment is something that they really valued. However the only way they could fit cleaning into their busy lifestyle was to do cleaning in short bursts instead of dedicating hours. The problem was, these people were often unsure of what areas to target given their limited amount of time. Our first task aims to help people combat these problems and achieve their goal of a clean environment. Based on user input of time and the "problem" areas of the house, the program suggests various cleaning tasks with estimated times that can fit within the user's time budget. Another theme we uncovered from our CI was the presence of external triggers. These triggers are often an impetus for cleaning activity and we wanted to capture that. Our second task aims to help users account for external triggers by providing users a detailed list of the tasks that need to accomplish in order to have a clean environment for their guest and make a good impression.

What you can do with 15 minutes

Getting ready for mom's arrival