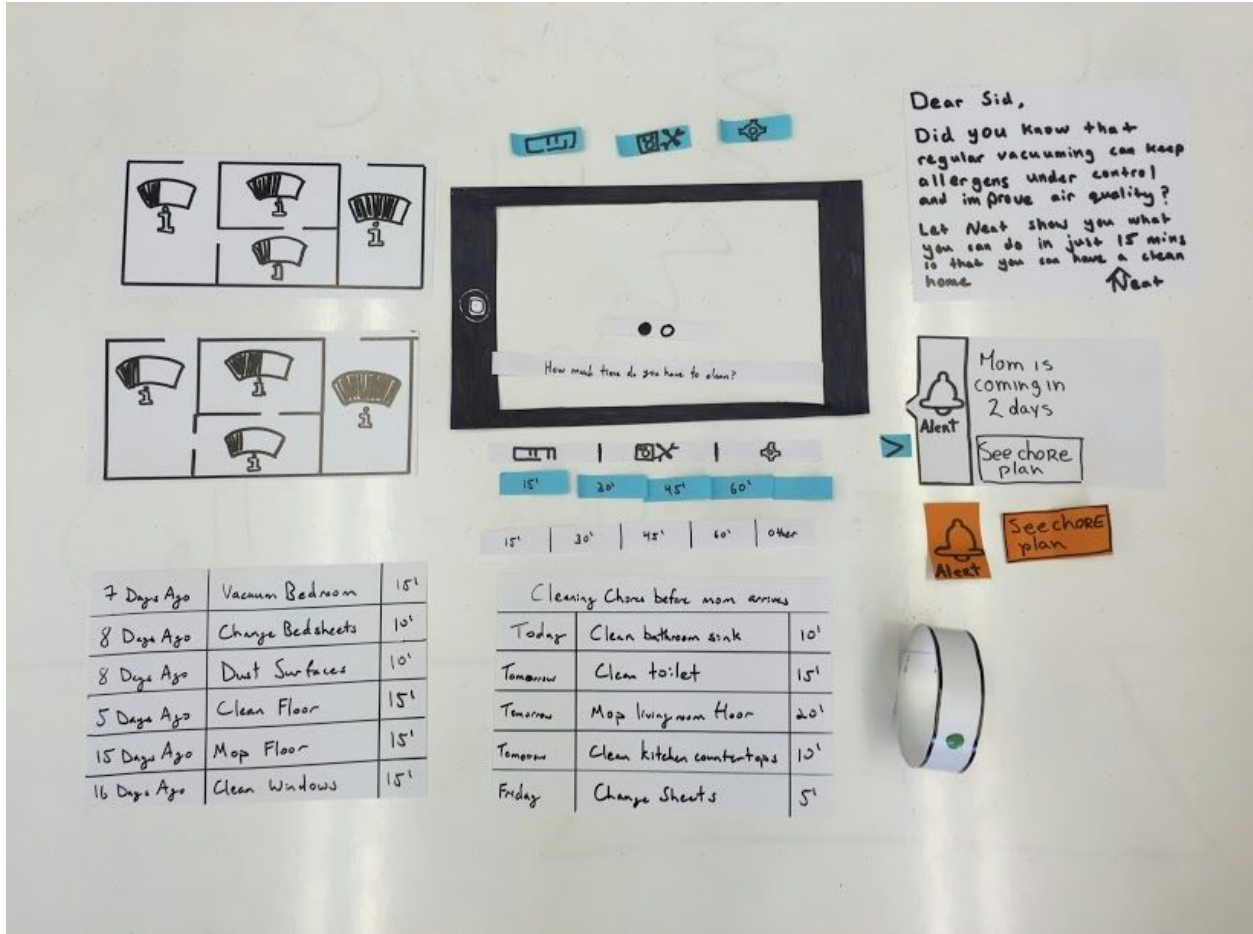


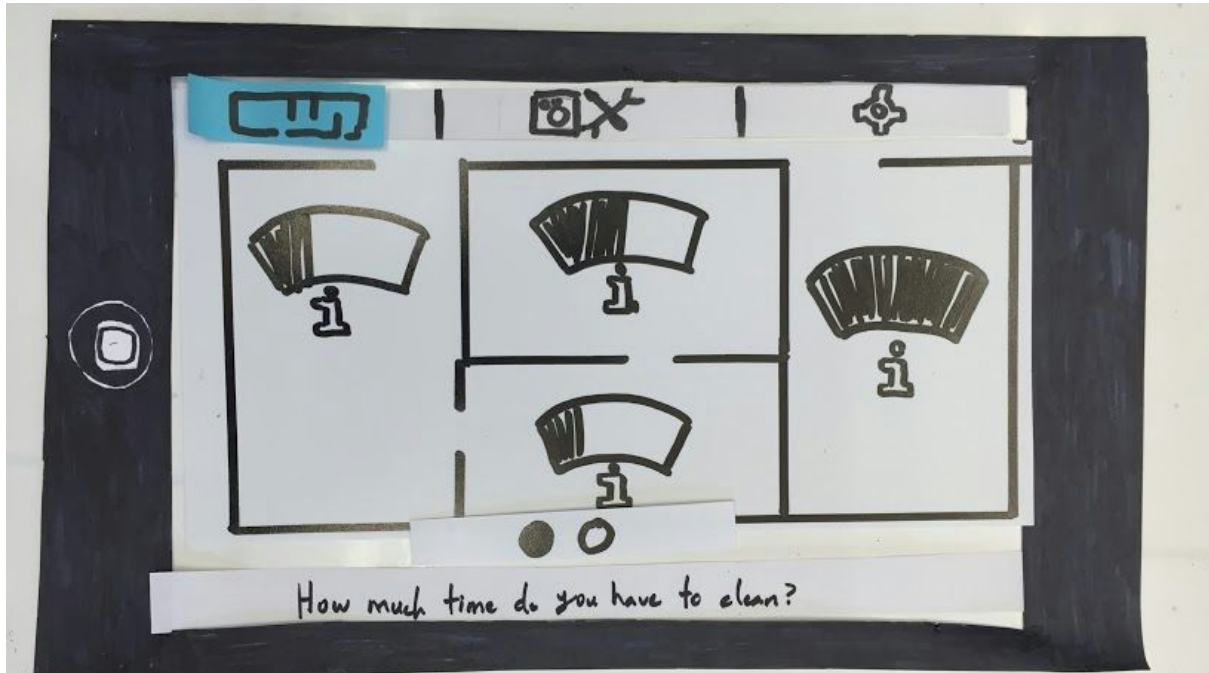
Assignment 3a: Neat Paper Prototype

Siddhartha Gorti, Andrew Tat, Yoanna Dosouto & Doaa Alsharif

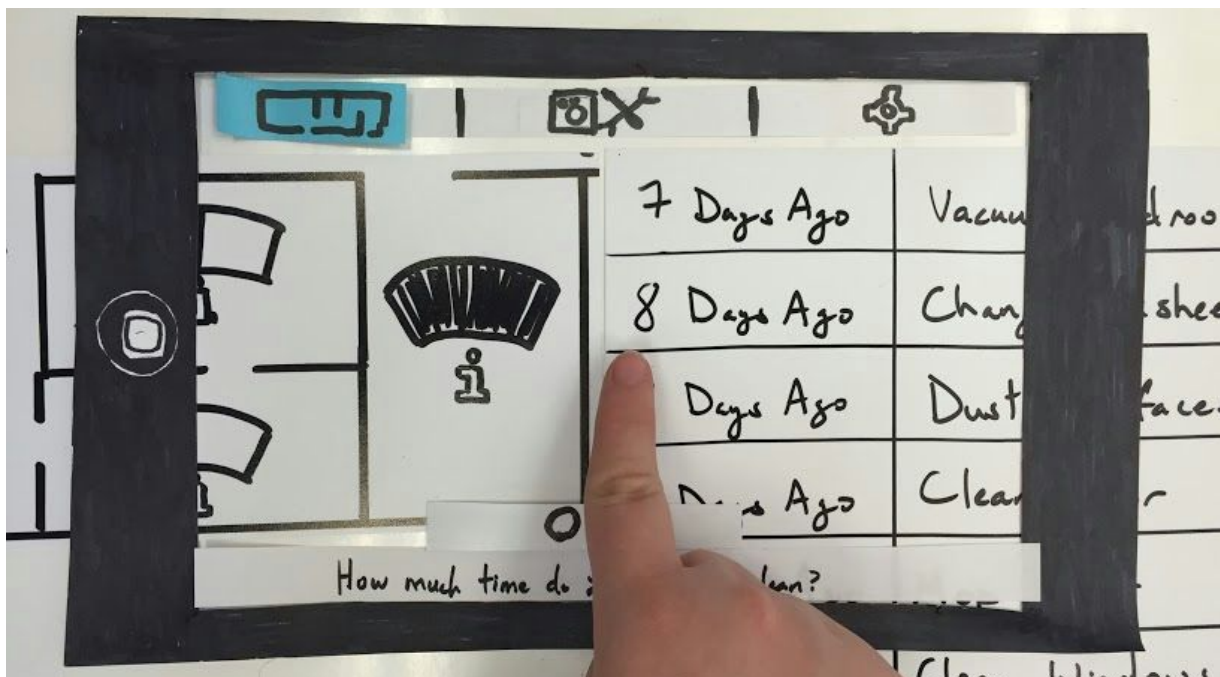


Overall view of paper prototype for the two main tasks.

Main dashboard views

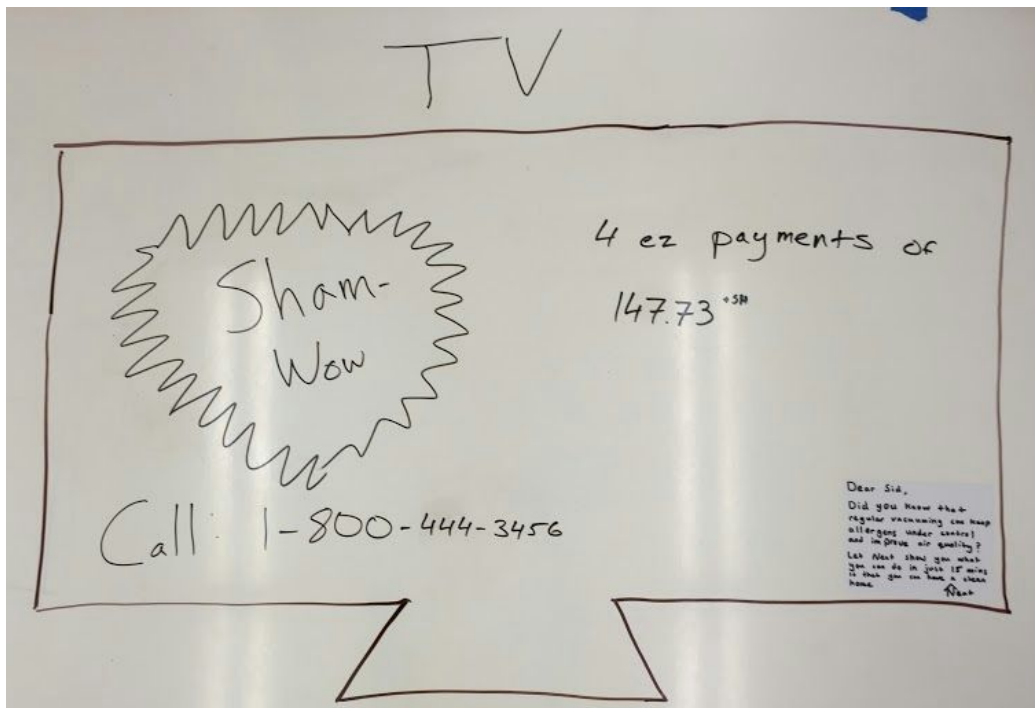
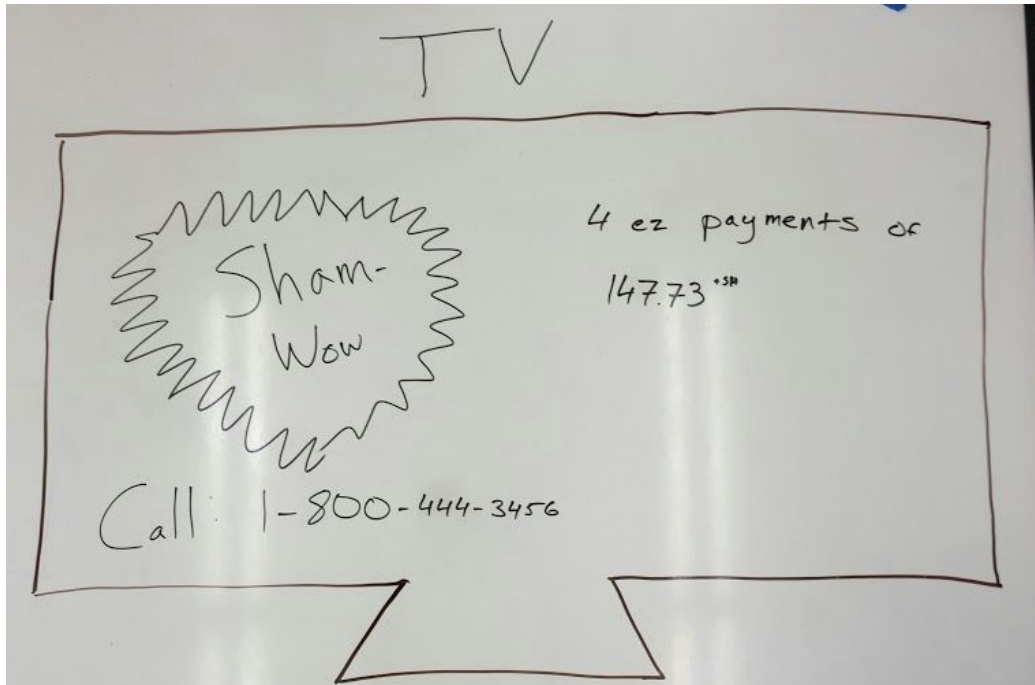


From the dashboard view of the Neat system the user can see the overall cleaning state of the house.

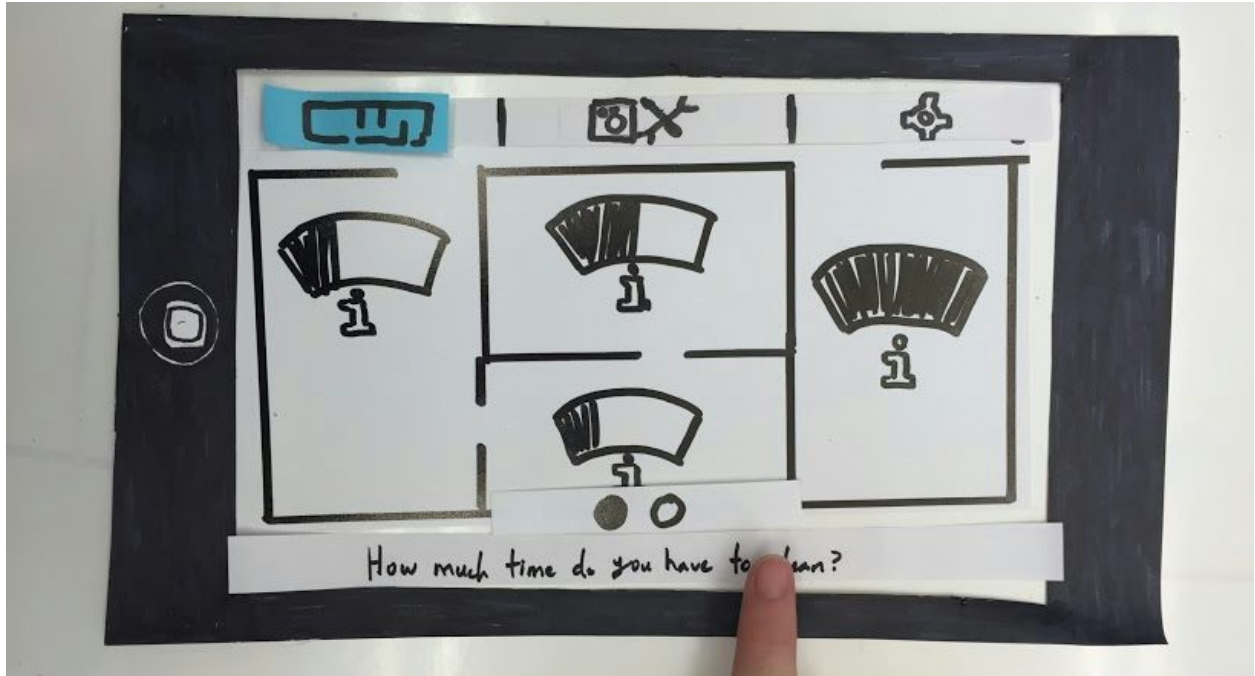


Swipe left to bring up list with status of the house containing cleaning history details like last time task was performed and time it will take in the future.

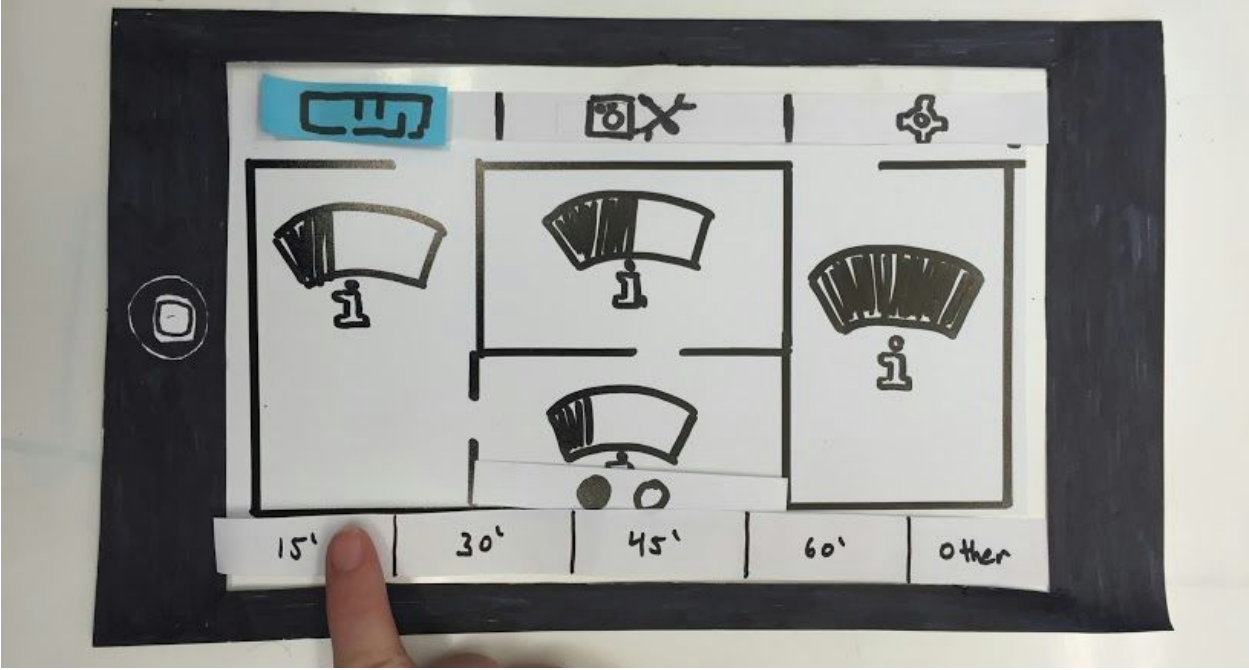
Task 1: Promote cleaning activities during idle times



Neat detects the user has been watching TV for an extended period of time, and during commercials it shows a popup on the TV screen stating that regular vacuuming will reduce the presence of allergens in the home. Message encourages user to spend a few minutes to do some cleaning and improve the state of the house.



Following the TV recommendation provided by Neat the user decides he or she wants to do a little bit of cleaning but he or she only has only a few minutes to spare. To see what Neat suggests to clean user taps on “How much time do you have to clean” button.



User selects how long do they have available for cleaning by tapping on one of the time buttons.

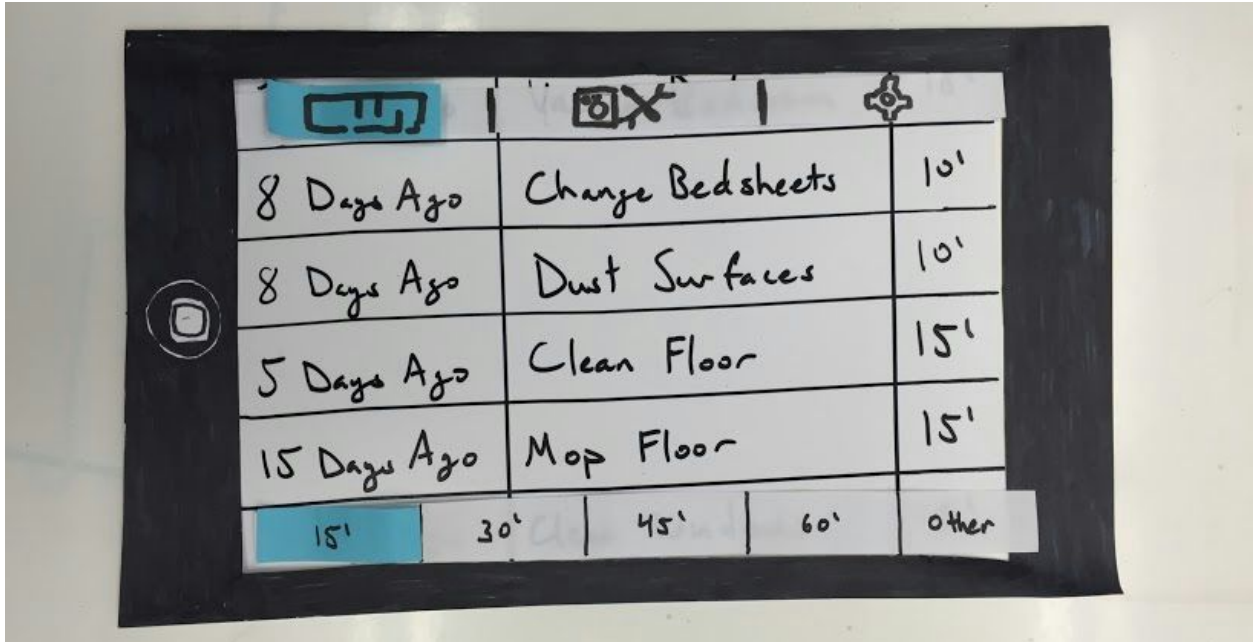
Task	Duration
7 Days Ago Vacuum Bedroom	15'
8 Days Ago Change Bedsheets	10'
8 Days Ago Dust Surfaces	10'
5 Days Ago Clean Floor	15'

15'	30'	45'	60'	other
-----	-----	-----	-----	-------

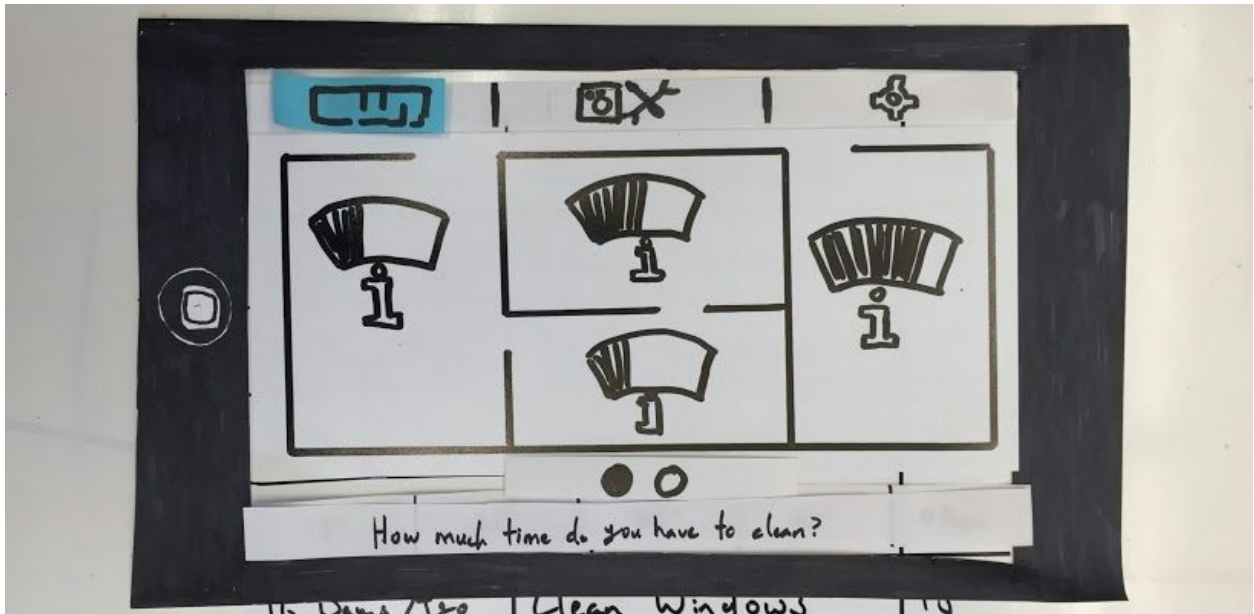
Based on the user's 15 minute availability Neat shows the task that can be accomplished in 15 minutes or less and that will benefit the cleaning state of the house the most.



From the 15 minute list user decides to vacuum the bedroom and lets the system know that the task has been performed by recording start and end of the task through the waterproof wearable.

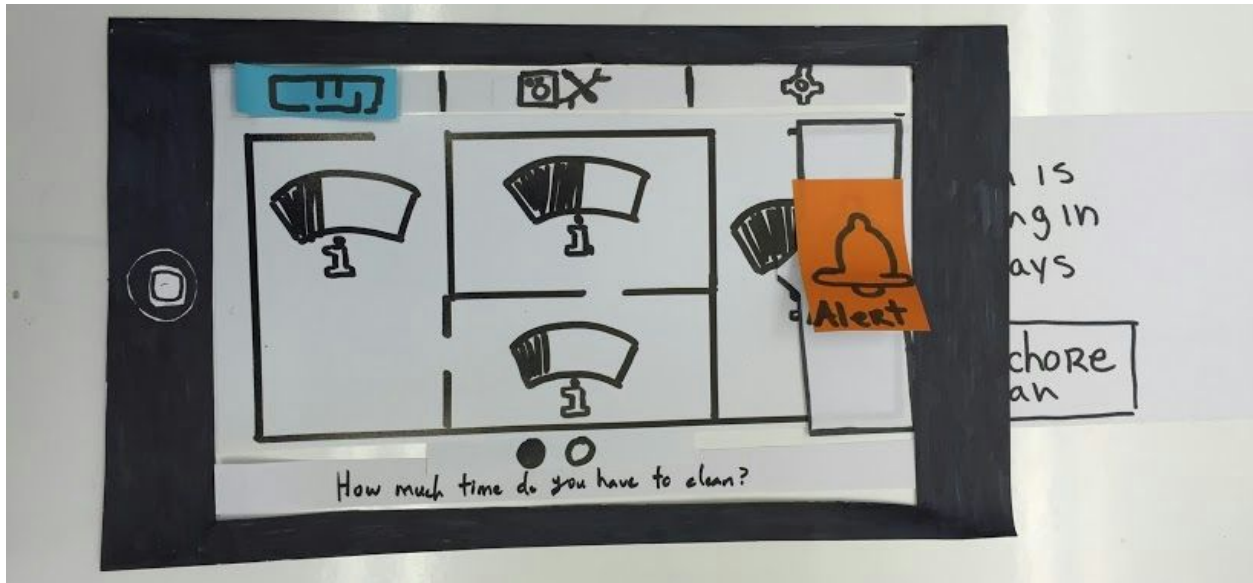


As soon as the band syncs to the Neat system the “vacuum bedroom” task disappears and the list automatically reorders the cleaning priorities for the house.

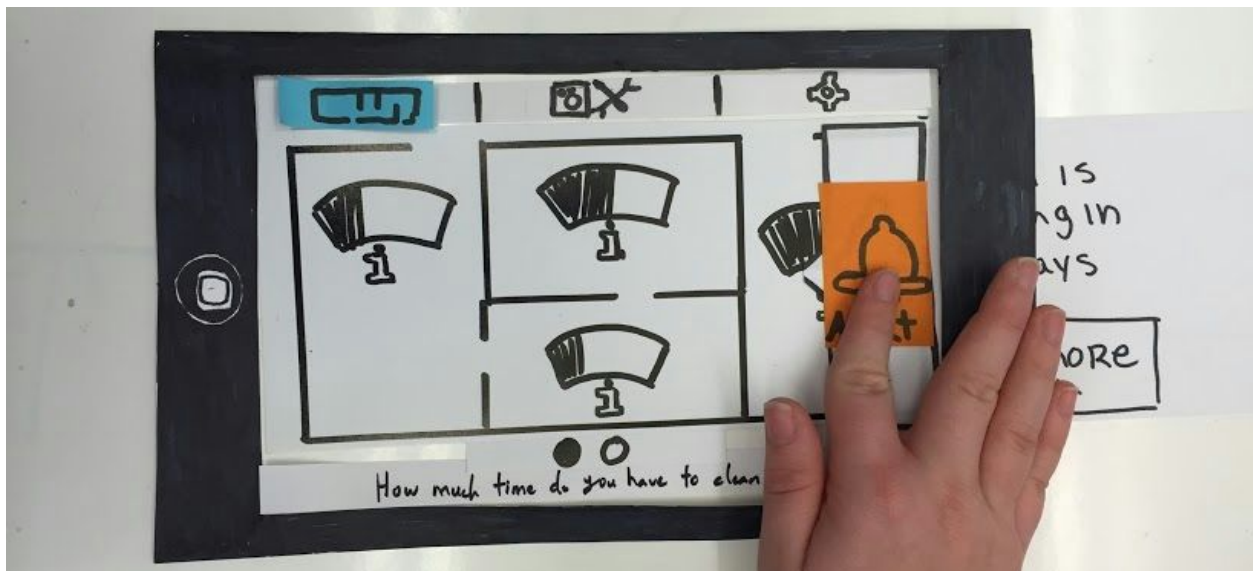


After task completion main screen also updates showing the room to the right (the bedroom) with a smaller portion of the bar filled since vacuuming has been done in that room.

Task 2: Prevent a messy home when receiving visitors



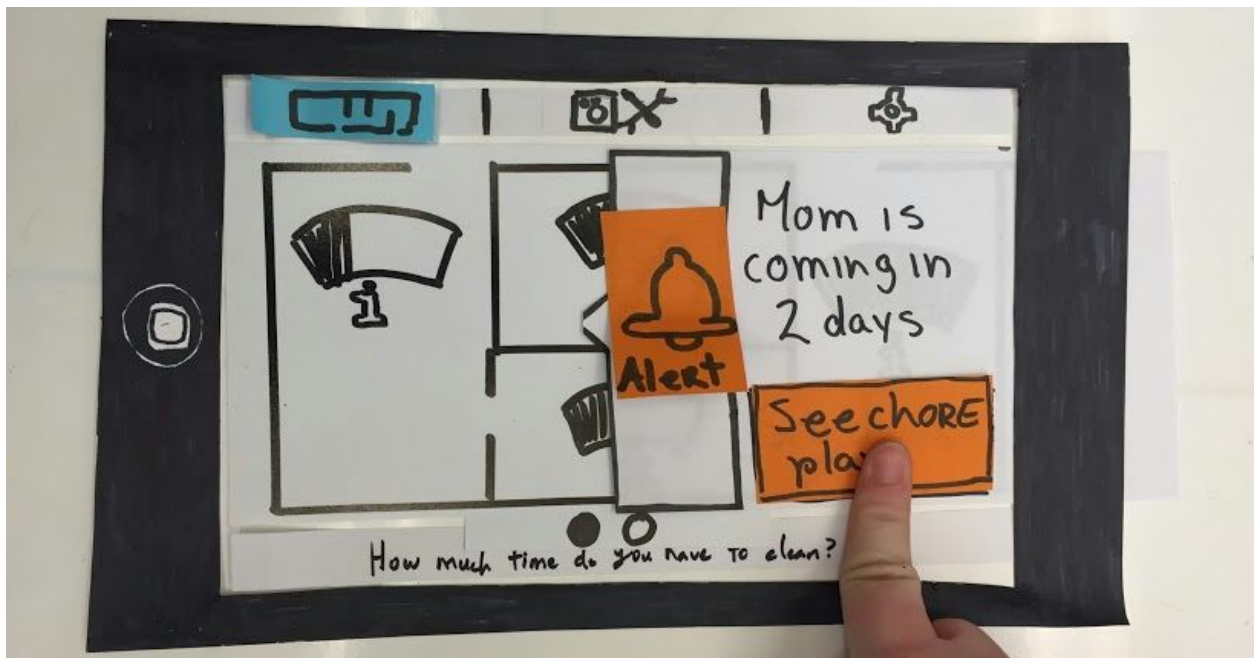
Neat identifies an external trigger by parsing through the user's emails and texts and generates an alert that is displayed on the main screen and among other smart devices around the house to encourage cleaning behavior.



The user chooses to address the alert by swiping left.



The alert now covers some of the screen and displays alert details



The user presses the "see chore plan" to be presented with a list of tasks to complete before mom arrives. This external trigger serves as motivation to jump start cleaning behavior.

Cleaning Chores before mom arrives		
Today	Clean bathroom sink	10'
Tomorrow	Clean toilet	15'
Tomorrow	Mop living room floor	20'
Tomorrow	Clean kitchen countertops	10'
Friday	Change sheets	5'

Based on the areas that are most unclean and the areas that are most likely to be seen, Neat automatically generates a roadmap of tasks to complete.

Today	Clean bathroom sink	10'
Tomorrow	Clean toilet	15'
Tomorrow	Mop living room floor	20'
Tomorrow	Clean kitchen coun	
Friday	Change sheets	

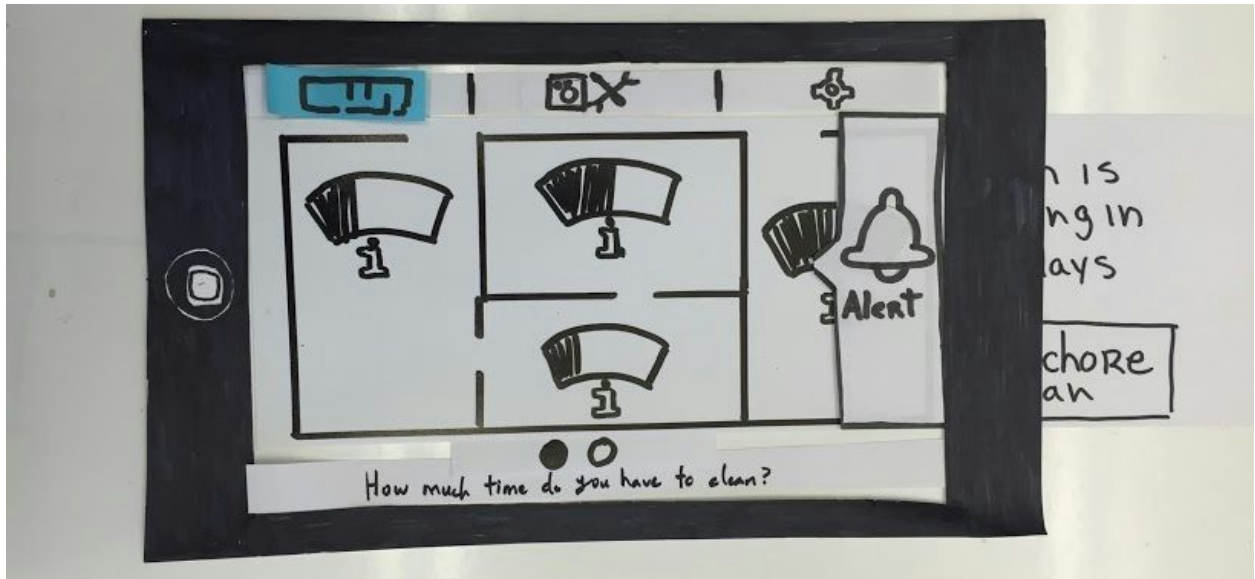
The user can scroll up and down to view all the tasks.

Today	Clean bathroom sink	10'
Tomorrow	Clean toilet	15'
Tomorrow	Mop living room floor	20'
Tomorrow	Clean kitchen countertops	10'
Friday	Change Sheets	5'

The user can select a task to start.



The user speaks into the wearable and Neat collects cleaning metrics about the particular task that the user selected.



The alert has now reduced in importance and is not critical anymore because some work has been done.