ANBENTALERING A system that notifies older adults of potential dangers in their home

Kristin Hare | Brian Jones | Aware Home GVU Demo Day | Spring 2018





Previous Work

Older adults worry about hazards that can cause damage to their home or their life such as fires, leaks, and trip risks. Many of these dangers can be caused by forgetfulness or lack of awareness, and these challenges can affect people of all ages, especially seniors. To design a notification system that can be easily used by older adults, prior Georgia Tech research has shown that it must: be consistent, prioritize notification severity based on level of danger, show previous alerts, have centralized access, be customizable, be very obvious, and allow two-way comunication.

Methodology ____

Phase I

Literature Review **Previous Work** Surveys Semi Structured Interviews **Design Sessions**

Phase II

Participatory Design Brainstorm Design Guidelines Design Refinement

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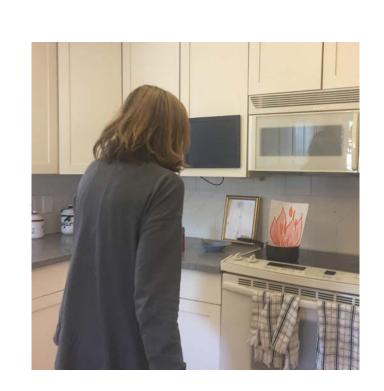
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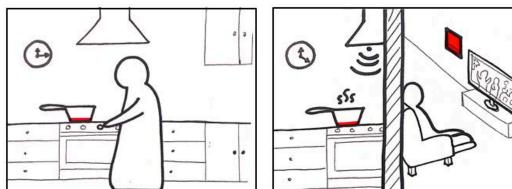
Prototype Design **User Testing** Future Work

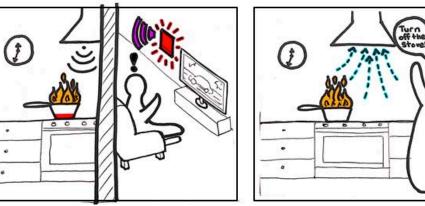


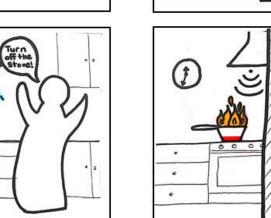




Design Concept





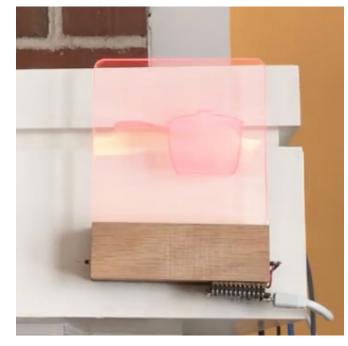








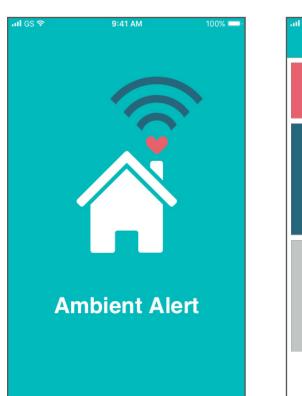
Stove is off (no light)

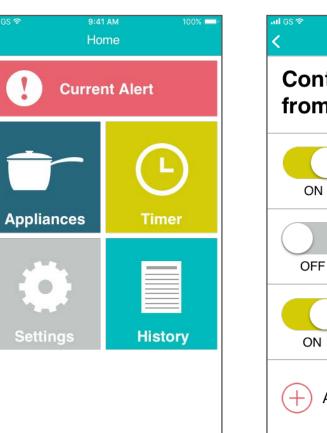


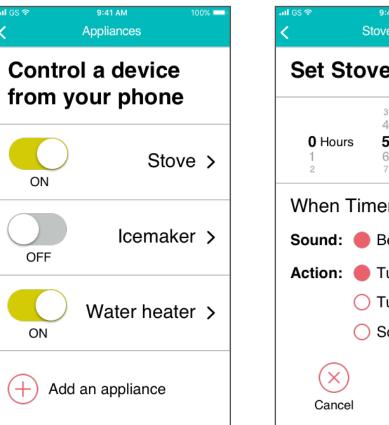
Stove is on (red)



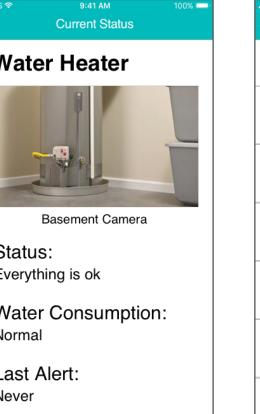
Stove is on fire (flashing + sound)



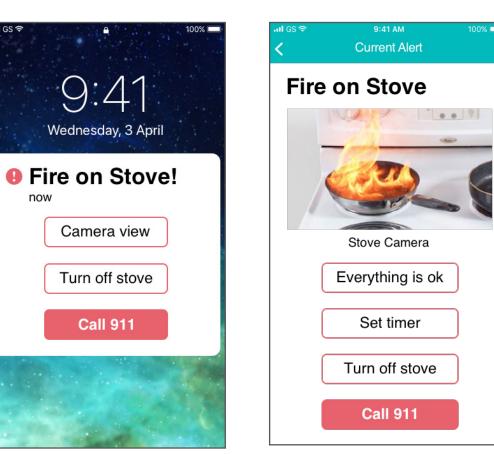




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9:41 AM 100% - uil GS ব Stove Timer				
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ncel	s	Start		La Ne



IGS 奈 9:41 AM History	
Alert	Date
Fire on Stove	4.3.18
Action: Turn stove off	11:55am
Stove Timer	2.15.18
Action: Turn timer off	12:05pm
Stove Timer	2.15.18
Action: Snooze	12:00pm
Stove Timer	2.15.18
Action: Snooze	11:55am
Water Leak	5.02.17
Action: Call plumber	1:10pm
Water Leak	4.21.17
Action: Turn icemaker of	off 8:00pm



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