

AMBIENT ALERTING

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

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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 communication.

Methodology

● Phase I

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

● Phase II

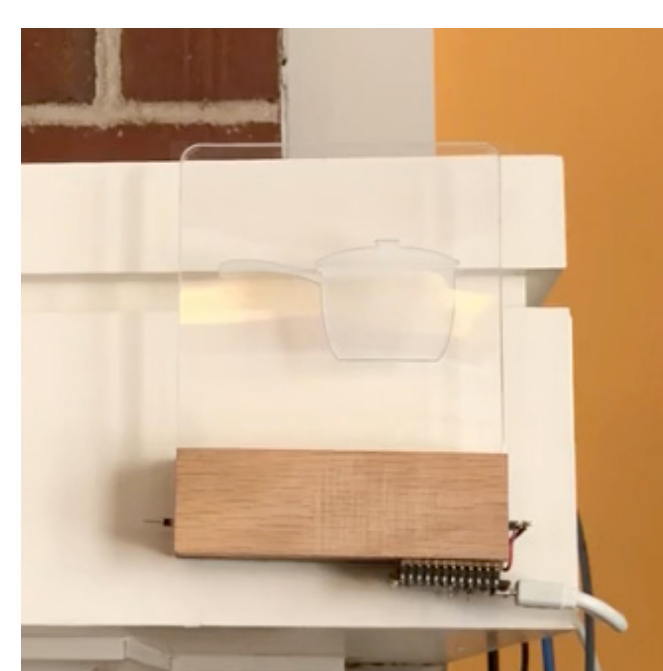
- Participatory Design
- Brainstorm
- Design Guidelines
- Design Refinement

● Phase III

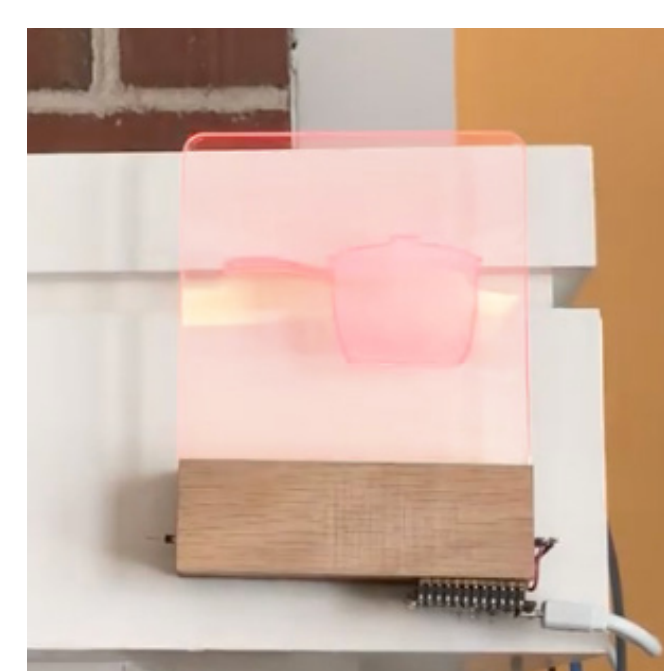
- Prototype Design
- User Testing
- Future Work



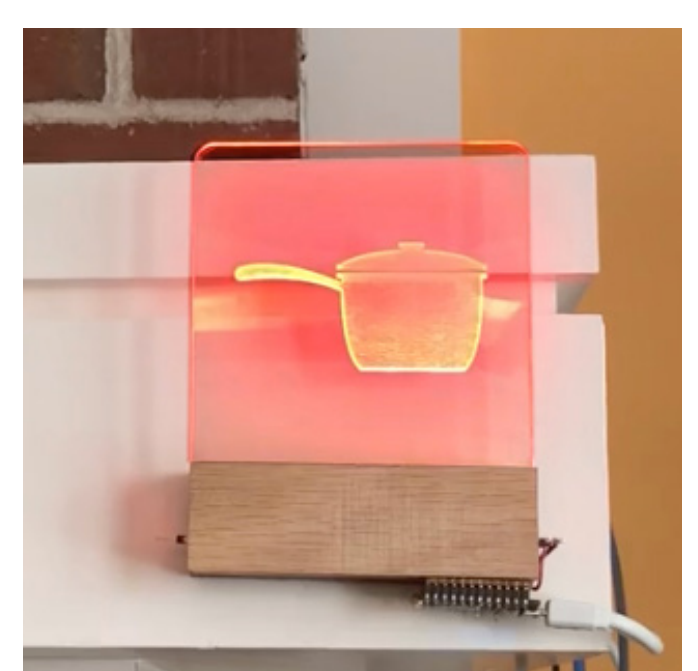
Design Concept



Stove is off (no light)



Stove is on (red)



Stove is on fire (flashing + sound)

