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.

**Previous Work**

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**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**

- **Control a device from your phone**
  - Stove
  - Ice maker
  - Water heater

- **Set Stove Timer**
  - When Timer Ends:
    - Stove: Turn off
    - Ice maker: Turn off
    - Water heater: Turn off

- **Water Heater**
  - Status:
    - Everything is ok
    - Water Consumption: normal
  - Last Alert:
    - None

- **Alert**
  - Date:
    - 9:41
  - Time:
    - 9:41
  - Location:
    - Kitchen
  - Description:
    - Fire on Stove
  - Call 911

For more information, please email kristin.j.hare@gatech.edu or brian.jones@imtc.gatech.edu