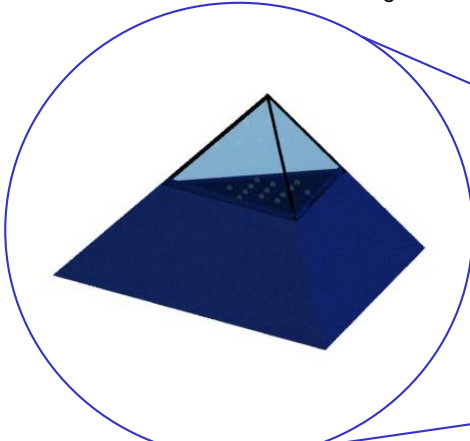


HomeHawk

Problem

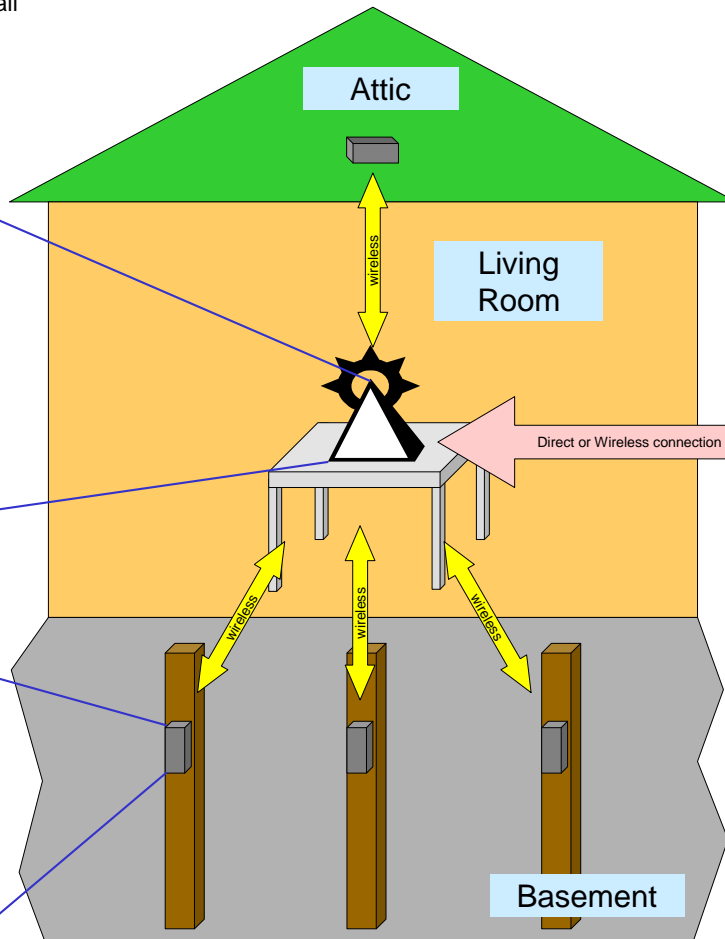
One of your most prized positions -- your home -- is constantly at risk of damages due to environmental conditions. Even a minor fluctuation in temperature and humidity can lead to large repair costs and overall frustration. Compound that with the health risks and cost of termite and rat infestations, homeownership becomes an exercise in constant vigilance.



Base Unit



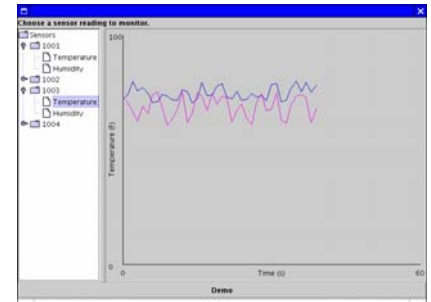
Sensor Unit



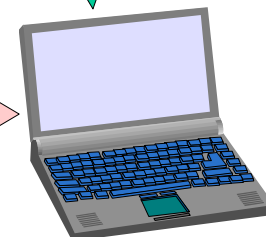
HomeHawk Features

- Autonomous monitoring of important household conditions including temperature, humidity, presence of mice and termites – in real time!
- Multiple sensor units allow multi-zone monitoring (e.g. basement, garage, attic, etc.) with quick and easy expansion capabilities

- You decide the acceptable temperature and humidity ranges for each zone.
- Base unit provides central notification of any alarm conditions enabling quick response.



Real-time monitoring



The following sensor units are available for configuration:

Sensor ID	Name	Description	Tempera	Min	Max	Humidity	Min	Max	Mouse	Termites
1001	Basement 1	Near the washing machine	<input checked="" type="checkbox"/>	40	80	<input type="checkbox"/>	20	80	<input type="checkbox"/>	<input type="checkbox"/>
1002	Basement 2	North Room	<input type="checkbox"/>	40	80	<input type="checkbox"/>	20	70	<input checked="" type="checkbox"/>	<input type="checkbox"/>
1003	Basement 3	South Room	<input type="checkbox"/>	40	80	<input type="checkbox"/>	20	70	<input type="checkbox"/>	<input checked="" type="checkbox"/>
1004	Attic	In the attic	<input checked="" type="checkbox"/>	20	150	<input checked="" type="checkbox"/>	10	70	<input type="checkbox"/>	<input type="checkbox"/>

Update Configuration Retrieve Configuration

Configuration Tool

Jaein Jeong, Yatish Patel, Julian Lippmann,
Hengsi Lin, Sharvari Prabhu
ME 221 Group 14
University of California at Berkeley

