

New Efficient Window-opening Thermostat

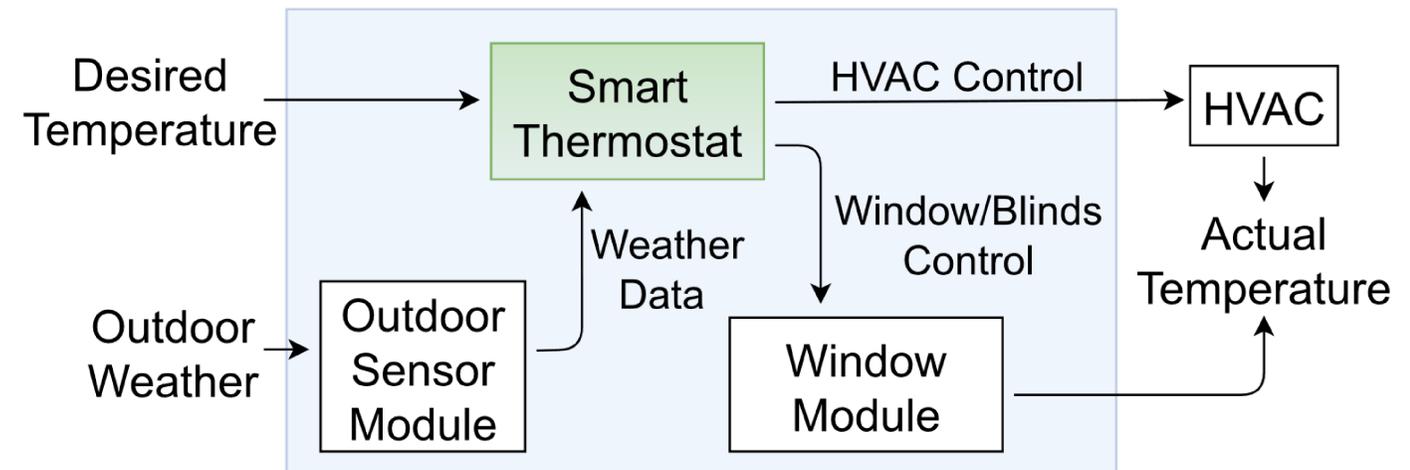
Project

Inefficient normal thermostats don't use natural heating and cooling. We want to:

- Save consumers money
- Be more environmentally friendly
- Require minimal user effort

We know that energy is wasted heating and cooling homes when it would be much simpler to just open a window.

System



Methods

To address the problem of more efficiently adjusting the interior climate of a home, we decided that three components were necessary

- The STM handles user input and the decisions of how and when to heat or cool a home.
- The OSM measures current weather conditions outside and reports those measurements back to the STM.
- The WM is responsible for opening and closing the physical windows and blinds of a certain window within the home. It receives commands to do so from the STM.

Conclusion

