Update: A Simple IoT-Style Air-Conditioner for the Elderly

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Improvements

- Added text-to-speech (MIT App Inventor)
  - Announces what happens at each button press
  - App can speak temperature to person
- Small fan powered by 3V motor
- User sets “target temperature”, fan turns on and off accordingly
Hardware

- Fan is attached to 3V motor
- Driven by Adafruit motor driver
- Rfduino interfaces between app and motor, powered by coin battery
Overall Function

- User can adjust “Target Temperature”
- If target temperature is lower than the temperature measured by Rfduino, fan turns on and notifies user
- Fan turns off and notifies user if either the air temperature decreases to the target temperature or if the user raises the target temperature to the air temperature