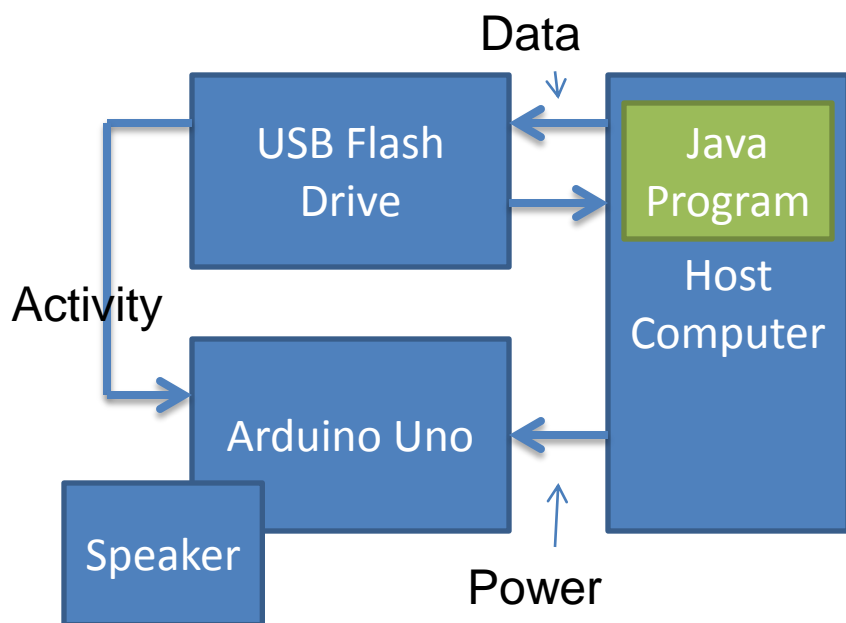# USBCryBaby, 5/28/12
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Problem Definition

- The USBCryBaby is designed to prevent users from forgetting their USB memory sticks when they log off a public computer. In order to do this the USBCryBaby sets of an alarm if the host computer logs off or shuts down.
- ✓ Proto-type to refined model
- ✓ 3/12/12 Demo USBCryBaby proto-type
- ✓ 3/17/12 Build PIC 18F2553 proto-type ascertain minimum clock speed not pin usage.
- ✓ 4/23/12 Build minimum processor proto-type
- 6/1/12 Build final proto-type

Solution Specifications

- The Flash Drive carries a java program that executes at drive startup and guarantees drive activity every 30 seconds
- The Ardiuno looks for the activity and sets of an alarm if it doesn't seen any from 40 seconds

Competitive Analysis

- There are no formal competitors to the USBCryBaby however some people have suggested using lanyards to physically attach themselves to their USB drives this however only works if the user doesn't ever get up from their workstation

Potential Applications

- The USBCryBaby would prevent users from forgetting their USB drives when they leave workstations they are using

Future Improvement Ideas

- The prototype USBCryBaby is built using an Arduino Uno and a 1 inch speaker, we plan to shrink the device down and power it from a battery and the USB power from the computer where it is attached.

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