



Team Sunflower

Featuring...

Ryan Li





Kevin Liu

Jonathan Tu





Jason Yim



Mentor: **Jaimie Obatake** ⁷

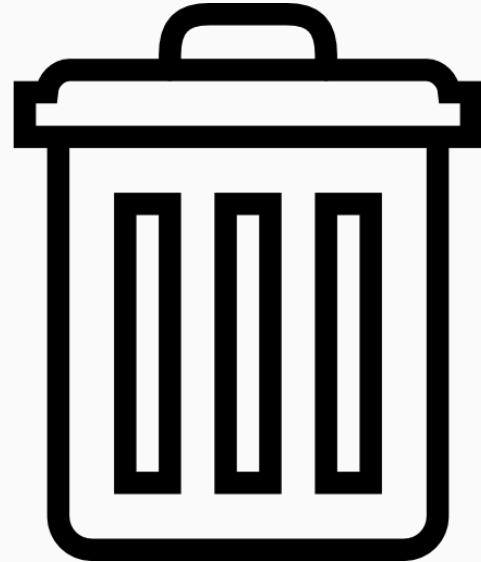
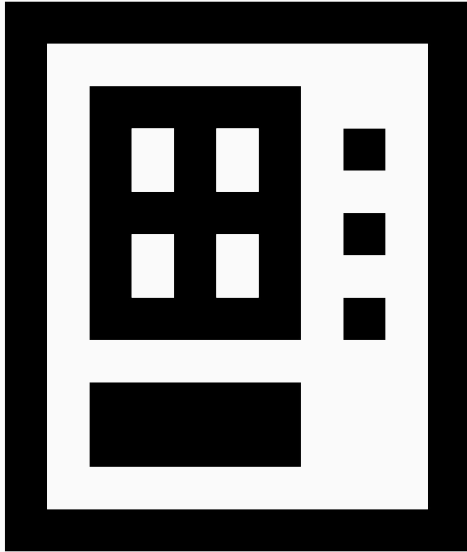
Lab Motivation

- Transform UH Mānoa into a microgrid
- Use renewable energy for sustainability
- Reduce current energy costs
- Monitor and predict intermittent weather



Project Overview

- Gather Data from Vending Machines
- Create an Interactive Trash Can



Vending Machine: Project Overview

- Monitor power consumption
- Reduce energy costs
- Analyze accumulated data to promote efficient usage of energy



Smart Can: Project Overview

- Promote sustainable living
- Decrease the pollution in our community
- Make recycling more interactive
- Create a functioning Smart Can

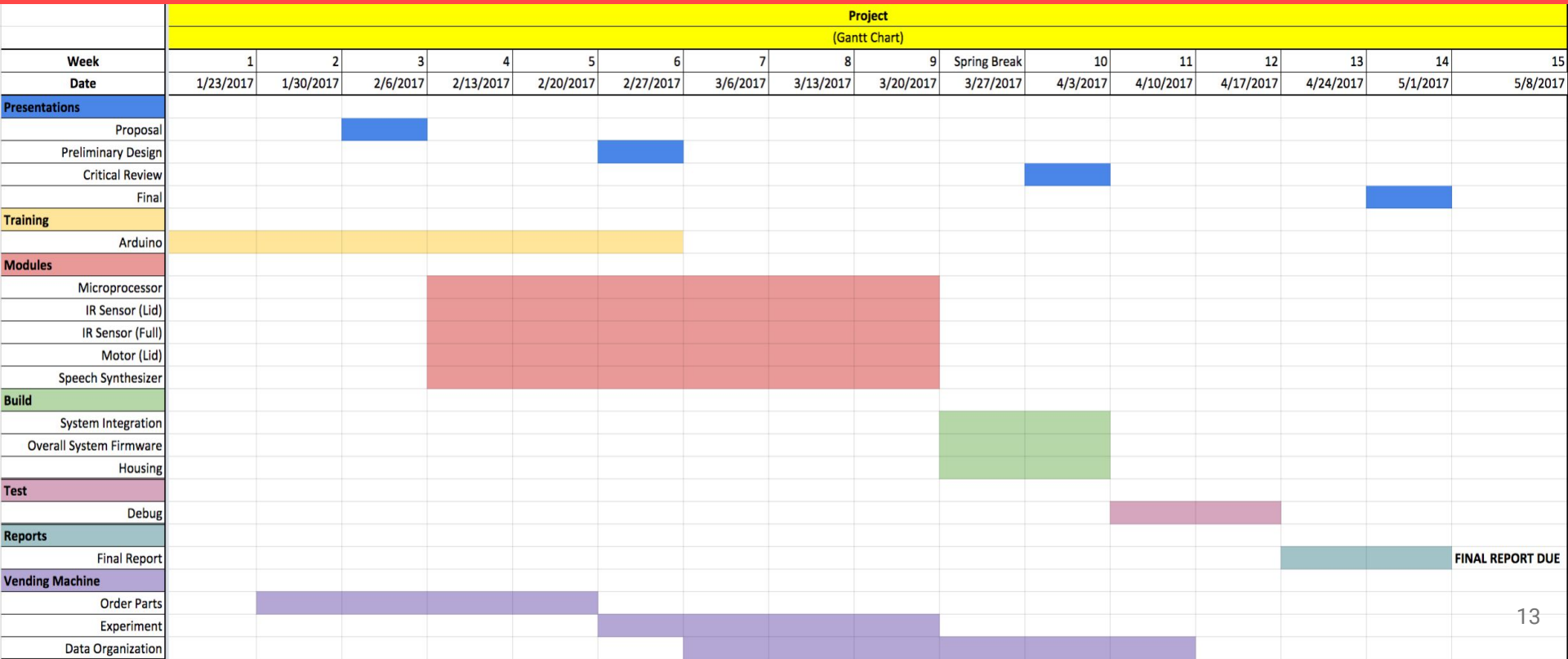


Planned Goals

- Create a functioning Smart Can
- Acquire workplace skills
- Obtain technical skills
- Experience the design process
- Learn about renewable energy



Projected Timeline



FINAL REPORT DUE



Thank you for listening!

Any Questions?