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# OVERVIEW

- Goals
- User Stories
- High level design
- Hardware and software requirements
- Demo
- Outcomes



# GOALS

- Never sleep through your alarm again
- Develop an android alarm clock app
- Design and engineer an IoT arm which is triggered by android alarm clock app

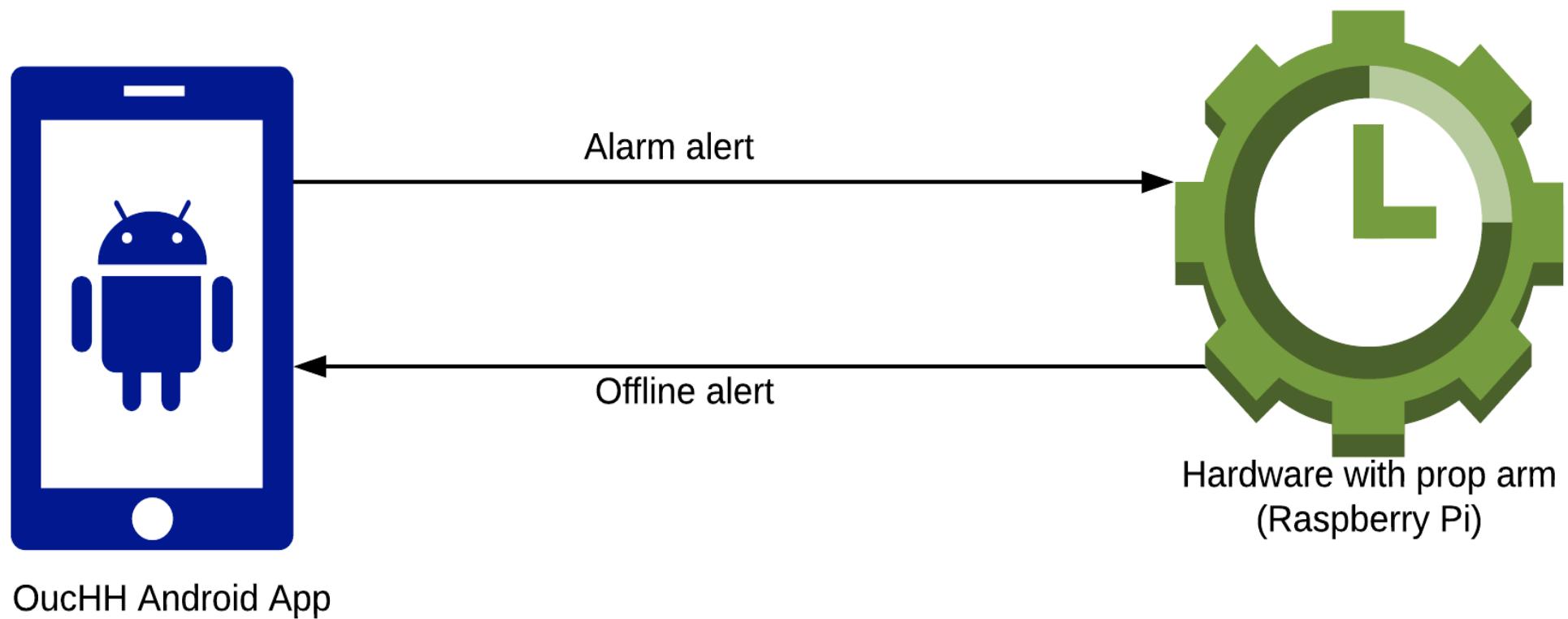


# USER STORIES

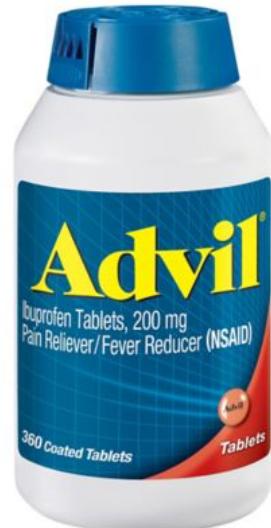
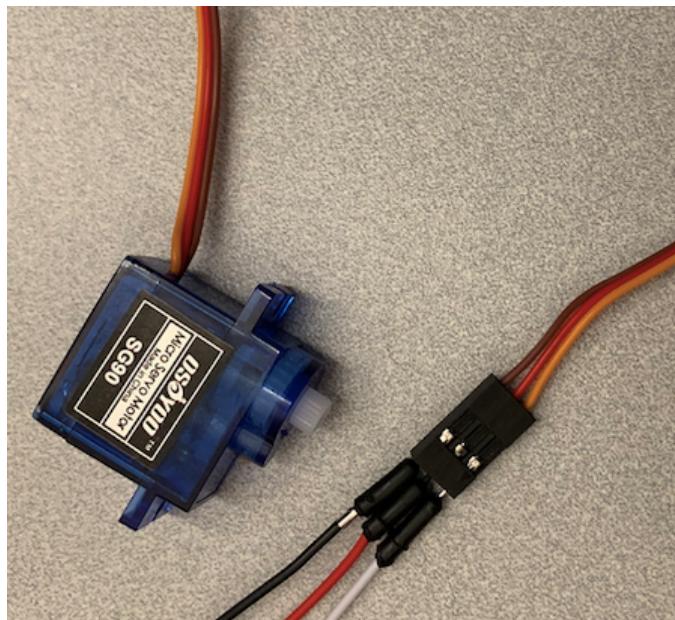
- As a **sleep loving college student**, I want to be certain that my new **OucHH alarm clock wakes me up on time**, so that I **don't miss my morning class**
- As a **sleep loving college student**, I want to be certain that my new **OucHH alarm clock will stop slapping me when I hit the snooze button on my OucHH mobile app**, so that I **don't get a black eye**
- As a **non-traditional student**, I want to be certain that **I can set more than one alarm on my new OucHH mobile app for different days**, so that I **don't have to update the alarm everyday**



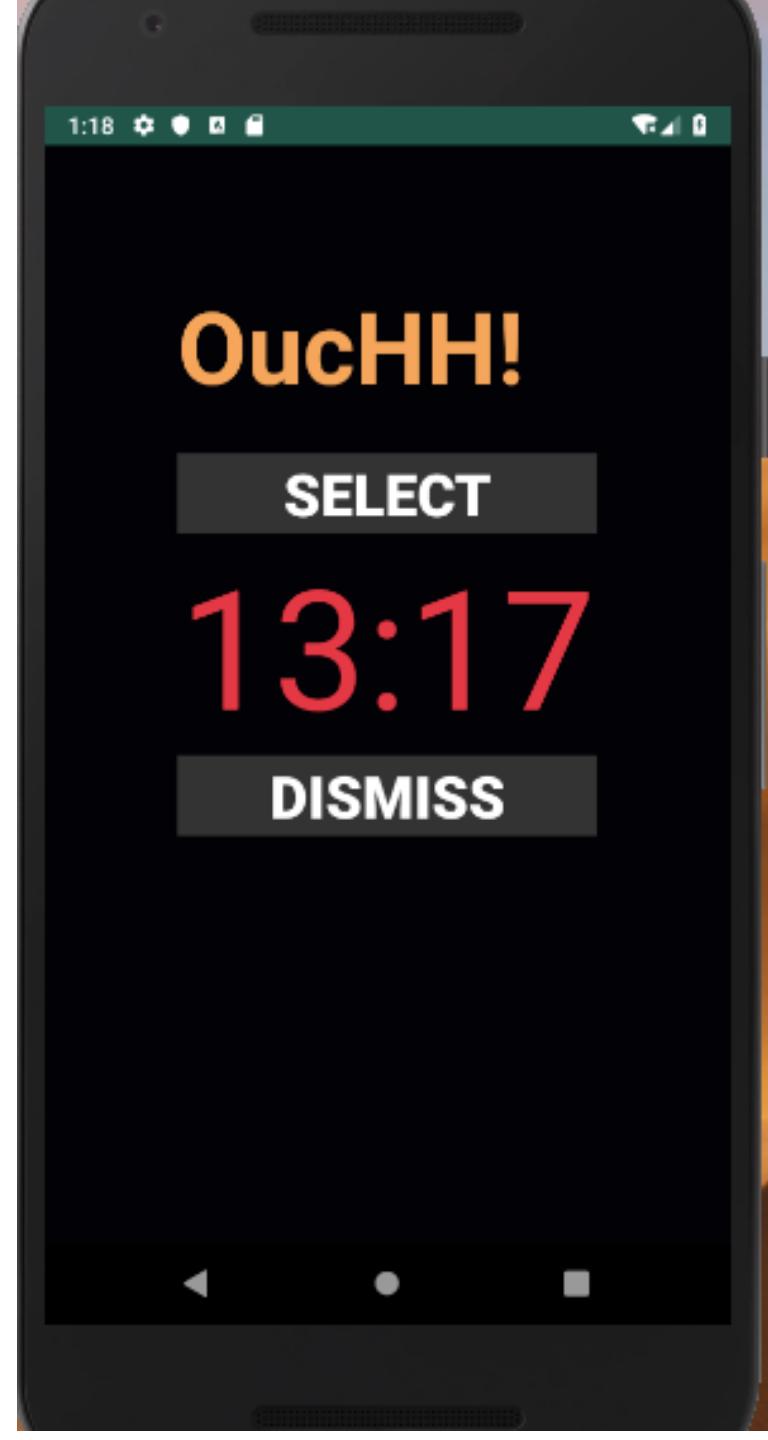
# HIGH LEVEL DESIGN



# HARDWARE REQUIREMENTS



# SOFTWARE REQUIREMENTS



# DEMO

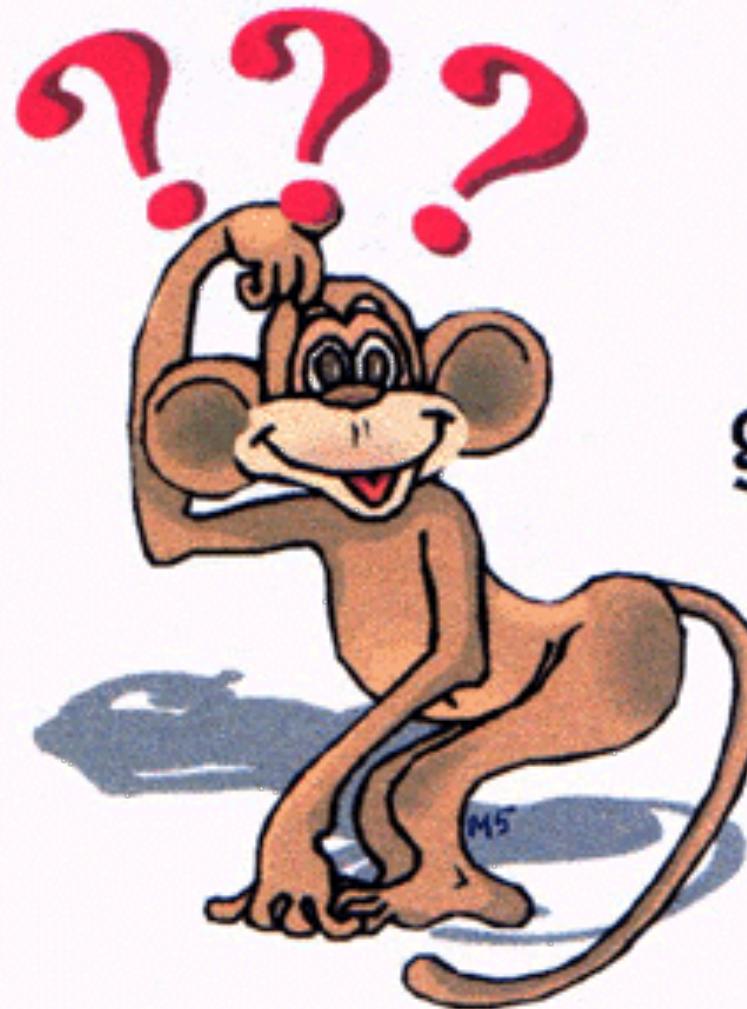


# OUTCOMES

- Success:
  - OucHH mobile app
  - OucHH IoT hardware
  - Alarm on mobile device
  - IoT slapping arm activated with alarm

- Issues:
  - First servo broke
  - Prop arm too heavy
  - Spend a lot of time on IFTTT, but didn't end up using it





Questions  
are  
guaranteed in  
life;  
Answers  
aren't.