Smart Mirror

MIDTERM PROGRESS
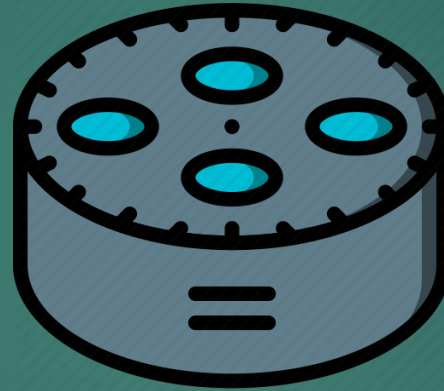
GROUP 36: KINGSLEY CHU, ADAMS LIU, IAN CHANG

DATE: DEC/05/2019

Divided the roles into 3 parts

Hardware/Frame Development
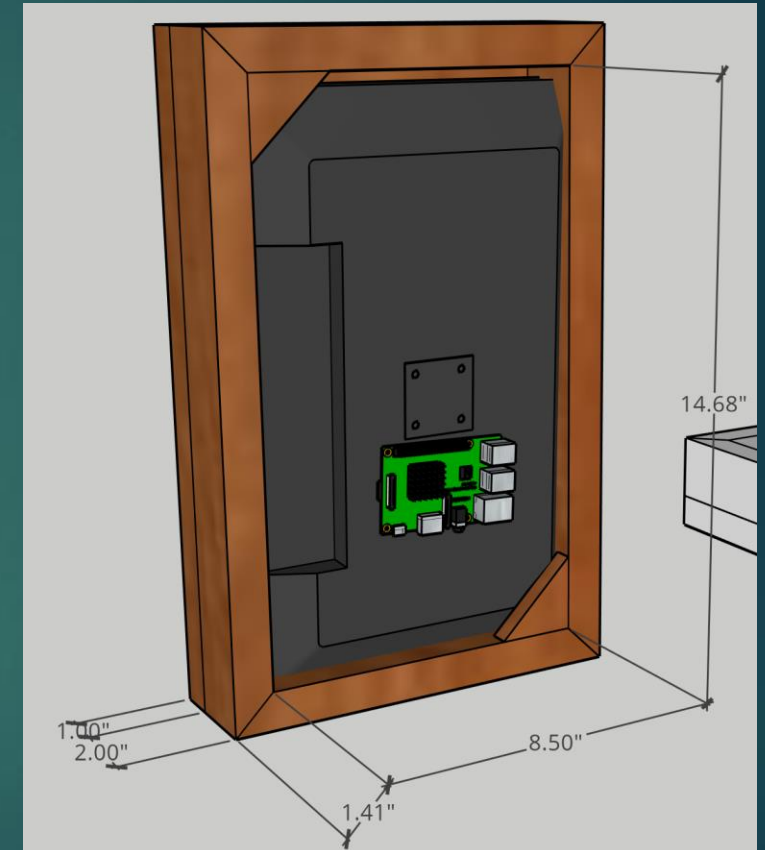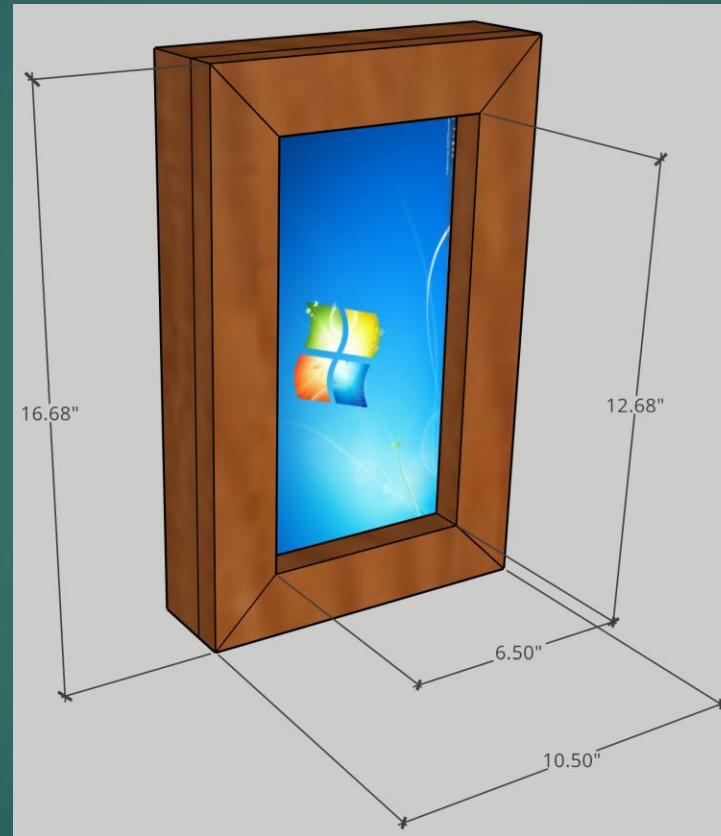[Ian Chang]

Amazon Voice Development
[Adams Liu]

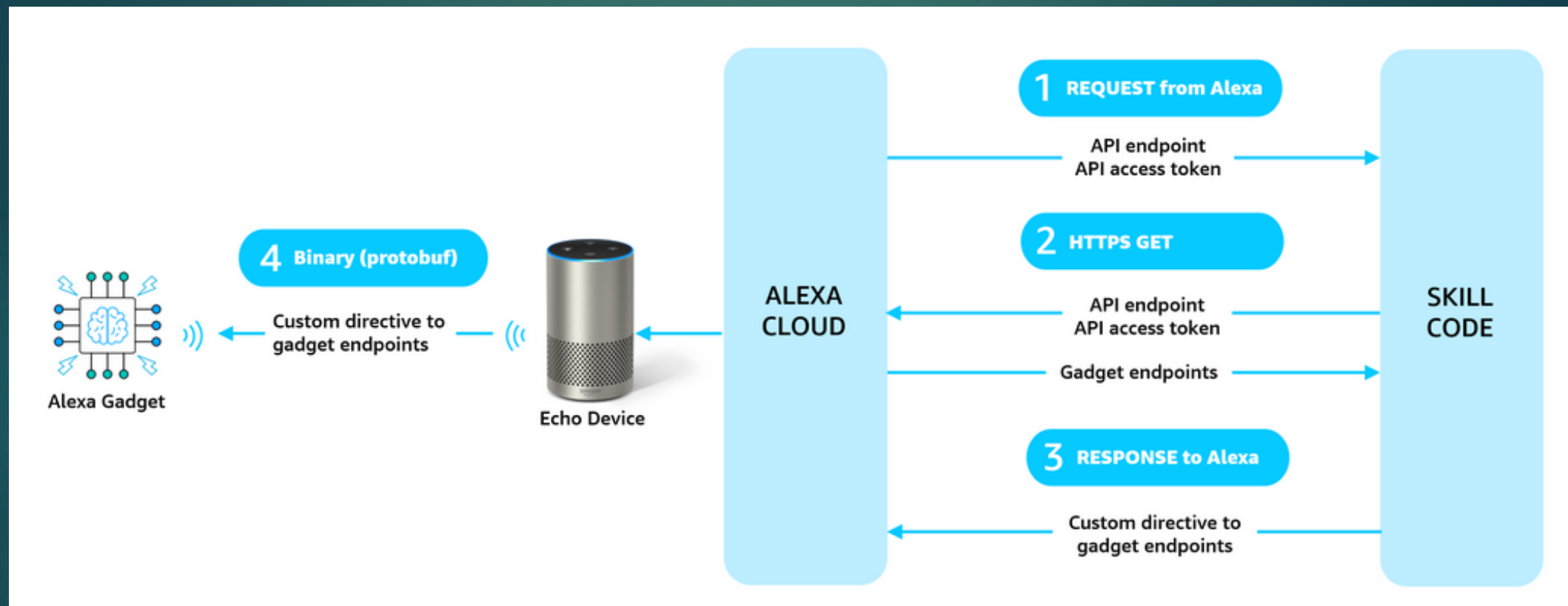Fullstack + GUI Development
[Kingsley Chu]

Hardware & Materials

List of Materials

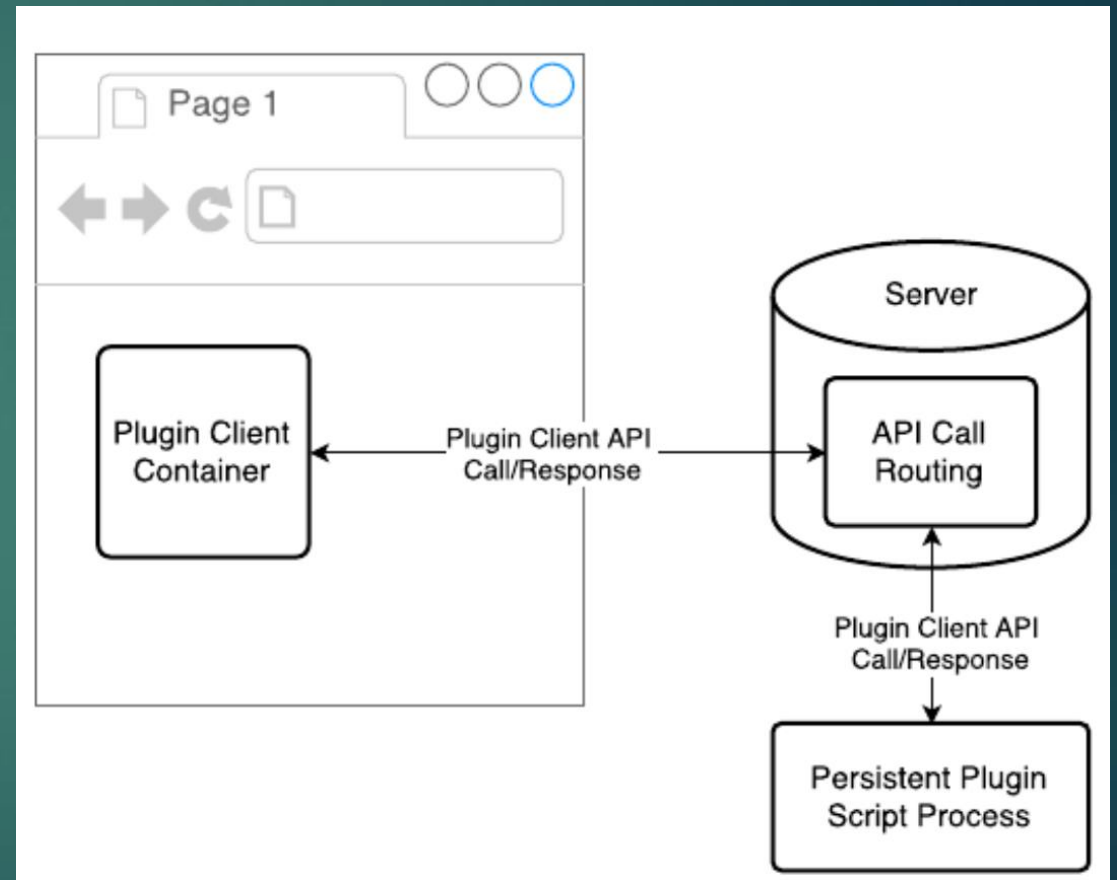| Item	Price
1x3x8 Pine Lumber	$8.21
1x2x8 Pine Lumber	$5.80
21' Monitor (19.6 x 8.3 x 15.11)	$132.82
Window Film (36" by 15ft)	$50.69
PIR Sensor	$3.44
RGB Programmable LEDs	$13.99
Plexiglass (12x24")	$27.49
Subtotal	$242.44
HST	$35.61
Total	$278.05

Alexa voice integration

Voice User Interface

Utterance and Intent (Schedule)

- Utterance:
  - "what's my schedule"?
  - "what does my schedule look like for today?"
  - "what's today's agenda?"
  - "what's today's to-do list?"
  - "what am I doing today?"

- Intent 1: ReadScheduleIntent {value: 2019-12-05}
  - Call onto calendar API and return and responds by listing out schedule items for listed date

- Intent 2: OpenCalendarIntent {value: 2019-12-05}
  - Communicates with Raspberry Pi to launch Calendar display for listed date

Software & UI

9:59 a.m.

Wednesday, March 16

23°
Clear Sky
Toronto

Hello, John!

I THINK
Tyler, The Creator

Spotify

📅 **Tennis**
Tomorrow at 12:30 PM

📅 **Swimming**
Tomorrow at 2:00 PM

📅 **Golf**
Sunday at 10:00 AM

📅 **Reservation at Hunter's Landing**
Sunday at 12:00 PM

Next Steps

▶ Build the mirror

▶ Integration development between Alexa, Raspberry Pi, and Mirror

▶ Integration testing with between the ecosystem