Echo Calculator

Goal

Create and deploy an Alexa Echo application which can recognize basic vocal mathematical expressions.

Team Values

- Minimal possibility for run-time errors.
- Human sounding responses.
- Stick to development plan regardless of anything,
- 100% adherence to requirements.

Assumptions

- It is assumed that the user will have a stable internet connection.
- It is assumed that the user will have a working Echo Dot.

Specific Requirements

1. System must recognize queries in the following format
    a. <NUMBER> <OPERATOR> <NUMBER>
    b. <NUMBER> = {-(2^32 - 1) - 2^32}
    c. <OPERATOR> = {-, +, /, *, modulus, ==, !=, >. <}
2. System must respond to invalid input with a funny phrase.
3. User must laugh first time at any funny phrase.
4. System must calculate response within 10 seconds.
5. System must be available on Echo Dot through Skills section of Alexa app.

Estimated Time

- 60 hours
- Start Date: 2/26/18
- End Date: 3/19/18

Milestone

1. App supports arithmetic expressions. (SR 1) (3/14/18)
2. App supports logical expressions. (SR 1) (
3. SR 2.
4. SR 3.
5. SR 4.

GitHub

The team will use GitHub issues to keep track of bugs during development process. The team will also use GitHub for most updated code and documentation.

Team Agreement

Both Joseph Peaden and Haniel Diaz agree to each:

- Work 10 hours per week on the project.
    - This will be tracked using an hoursSpent() function.
- Meet at least 4 hours per every 10.