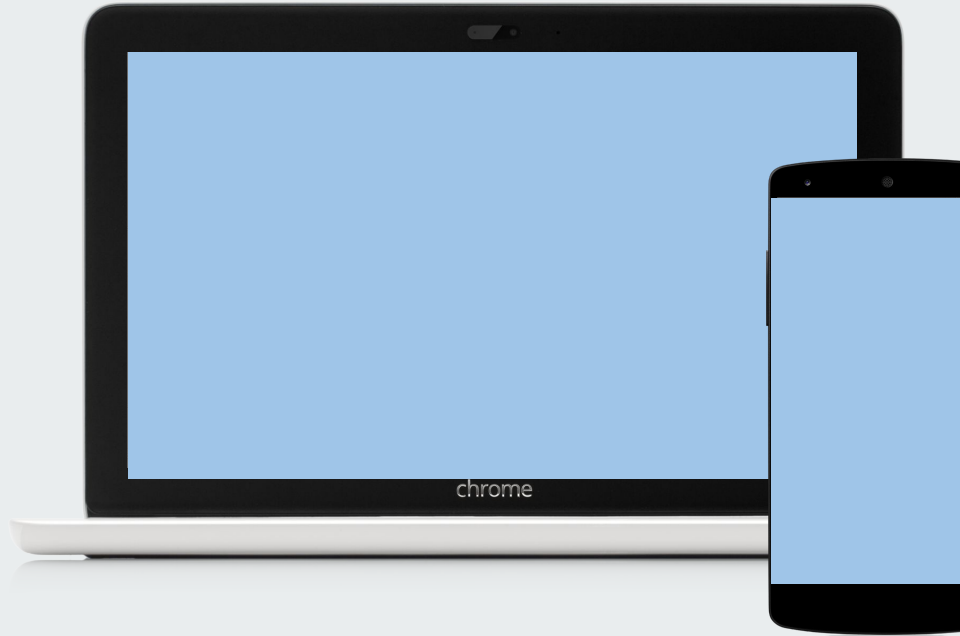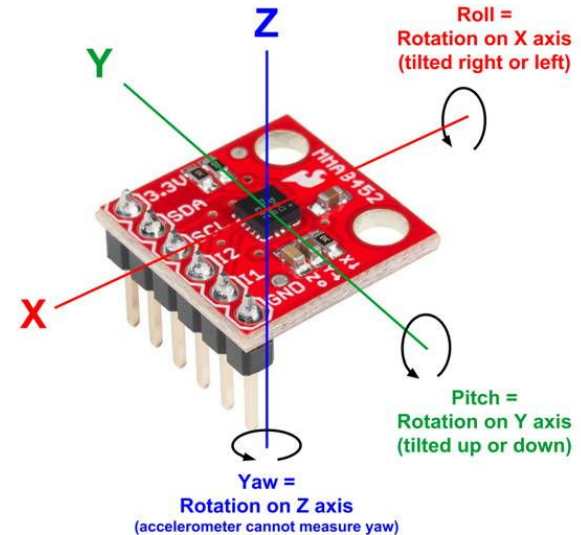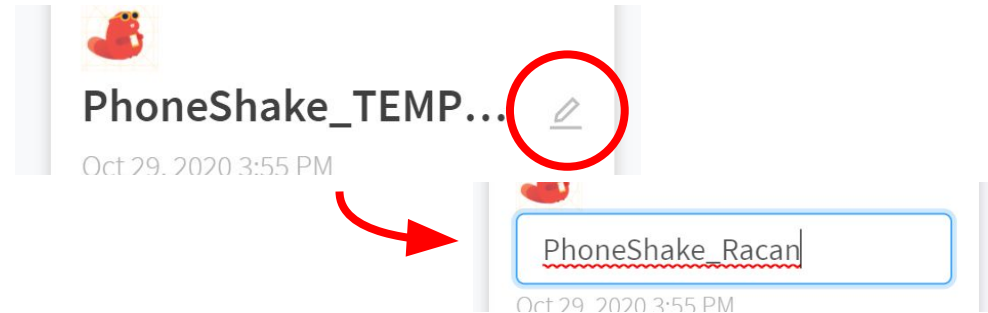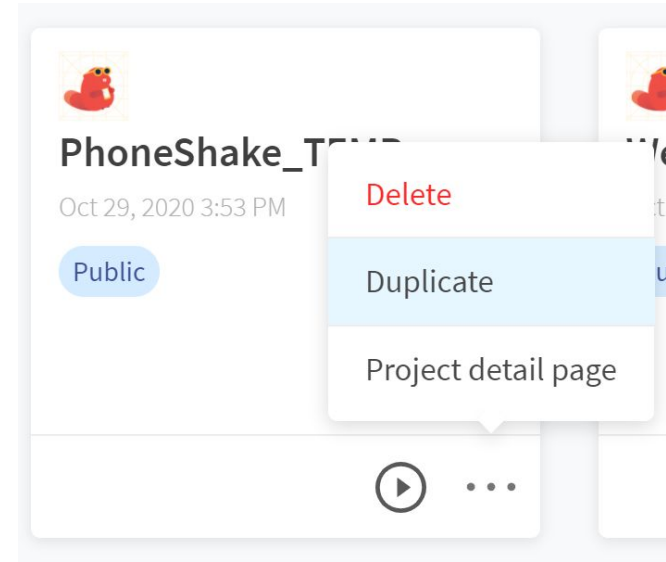# Thunkable: Assignment 3

Background: What is an Accelerometer?

- Sensor built into mobile devices which can detect motion
- You may have heard of a gyroscope, another type of motion sensor
- Modern phones have many, many sensors built into them
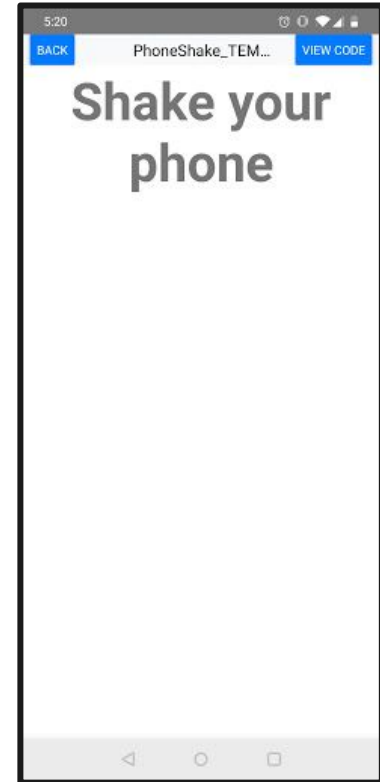- Message the instruction team if you want to learn more!

Z

Y

Roll =
Rotation on X axis
(tilted right or left)

X

Pitch =
Rotation on Y axis
(tilted up or down)

Yaw =
Rotation on Z axis
(accelerometer cannot measure yaw)

Copy the Template App

- Click the shared link we sent in #general
- Click the "Thunkable" logo in the upper left corner to exit out to your projects (you should now see PhoneShake_TEMPLATE in the list)
- **Make a copy** of this app by clicking "Duplicate"
- **Rename** the copy to "PhoneShake_LASTNAME"

PhoneShake_TEMP

Oct 29, 2020 3:53 PM

Public

Delete

Duplicate

Project detail page

PhoneShake_TEMP...

Oct 29, 2020 3:55 PM

PhoneShake_Racan

Oct 29, 2020 3:55 PM

Test it out on your phone!

- This app uses your phone/tablet's built-in accelerometer
- Doing the live test on web only shows what it looks like, *not* its functionality, so you **need** the mobile app to properly test this
- If you don't yet have the Thunkable Live app, check out our installation instructions
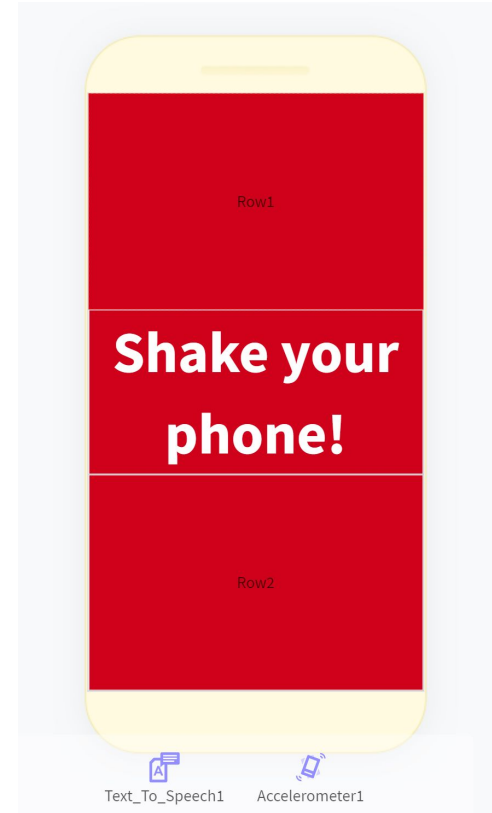
Make a UI

The current interface is very plain and boring. Spruce it up a little! For example...

- Add colors
- Add text

Refer to previous Thunkable projects for ideas on how to make a UI for the app.

Make it your own!

Creatively add something to the app. Maybe…

- Change what the text-to-speech says aloud
- Sensitivity of sensors

…or many more!

We **encourage** you to explore options with the accelerometer.

Be creative! We will be featuring outstanding submissions on the course website.

Hot Potato
Toss the phone before it speaks!

Start/Stop Game

Submit

- Make sure the app is named "PhoneShake_LASTNAME"
- In the upper-right corner of your app, click "Share"
- Click "Generate Link"
- Click "Copy" or select the text to copy the link
- Submit the link here: https://forms.gle/we7JpnZuzdpShuNX8