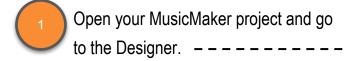
Blocks

MUSIC MAKER: CHALLENGE

You will write the code now to Record music you make with your Music Maker!

START HERE

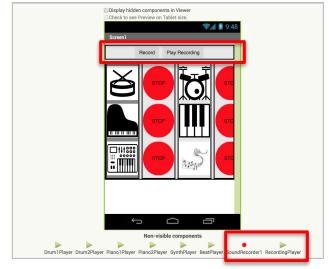




Add the following Components:

| Drawer | Component | Name | Property | Setting |
|----------------|----------------------------|------------------------|----------|------------------|
| Layout | Horizontal- Arrangement | Record- Arrangement | Width | "Fill Parent" |
| User Interface | Button | RecordButton | Text | "Record" |
| User Interface | Button | PlayRecordingButton | Text | "Play Recording" |
| Media | Player | RecordingPlayer | | |
| Media | SoundRecorder | SoundRecorder1 | | |

Your new components should appear like this when you're finished.





Here is the idea; when the user presses a Record button, the app will start recording. But the button text will also change to say "**Stop Recording**".



Likewise, if the app is currently recording, when the user presses the button the app will stop recording and change the button's text back to "**Record**".



BOOLEAN VARIABLE

You will use a Boolean variable to keep track of whether the app is recording or not. Initially, you are not recording, so the variable is **false**. Create and initialize the new variable, and name it **recording**.





CHECK IF WE ARE RECORDING

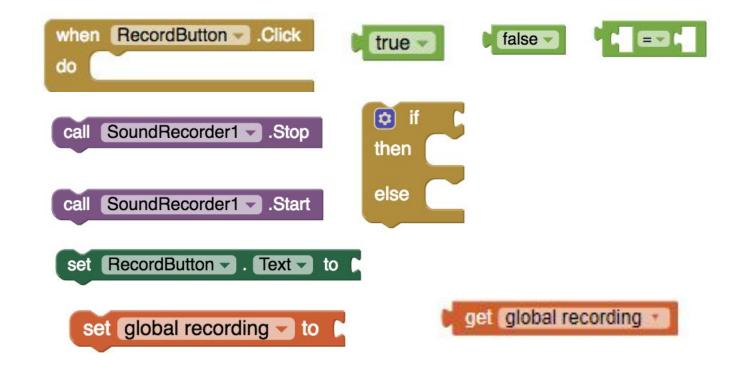


When the **RecordButton** is clicked, you need to check whether or not you are recording.

If recording:

- Stop recording.
- o Display "Record" on **RecordButton**.
- Set recording to false.
- else (not recording)
 - Start recording.
 - o Display "Stop recording" on **RecordButton**.
 - Set recording to true.

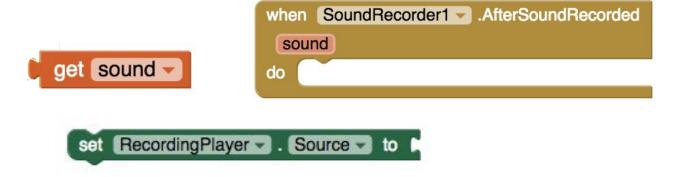
Use the blocks below.





AFTER RECORDING

For the **SoundRecorder**, after the music is recorded, you want to save the recording so the **RecordingPlayer** component can replay it. The sound variable is the recorded sound, so set the *Source* of your **RecordingPlayer** to **sound**.



Also code the PlayRecordingButton.Click event!

```
when PlayRecordingButton .Click do
```

What should happen when the user clicks this button?

- You might want to disable the

 PlayerRecordingButton until the sound
 has been recorded. Can you figure out how
 to disable and enable that Button?
- As always, test your app to make sure it works as expected!

