Blocks

MUSIC MAKER: CHALLENGE

Thanks for trying the Challenge! To do it, you will write the code to Record the music you make with your Music Maker!

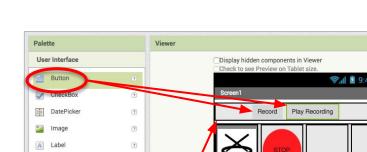
START HERE

- Go to the MIT App Inventor website (http://ai2.appinventor.mit.edu) and open your MusicMaker project.
- Go to the Designer. – – –
- Add a new HorizontalArrangment component where it fits well on your app's layout. Add it to the top of the screen. Then add two Buttons to the HorizontalArrangement.
- Change the *Width* of the

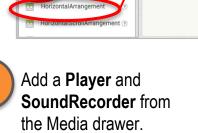
 HorizontalArrangement to Fill Parent.
- Rename the first Button

 "RecordButton" and the second

 "PlayRecordingButton".
- Change their *Text* to "Record" and "Play Recording" respectively.



Designer



They are non-Visible

PasswordTextRox

Rename the **Player** "RecordingPlayer".

components.





This button turns the Recorder on and off. 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**".

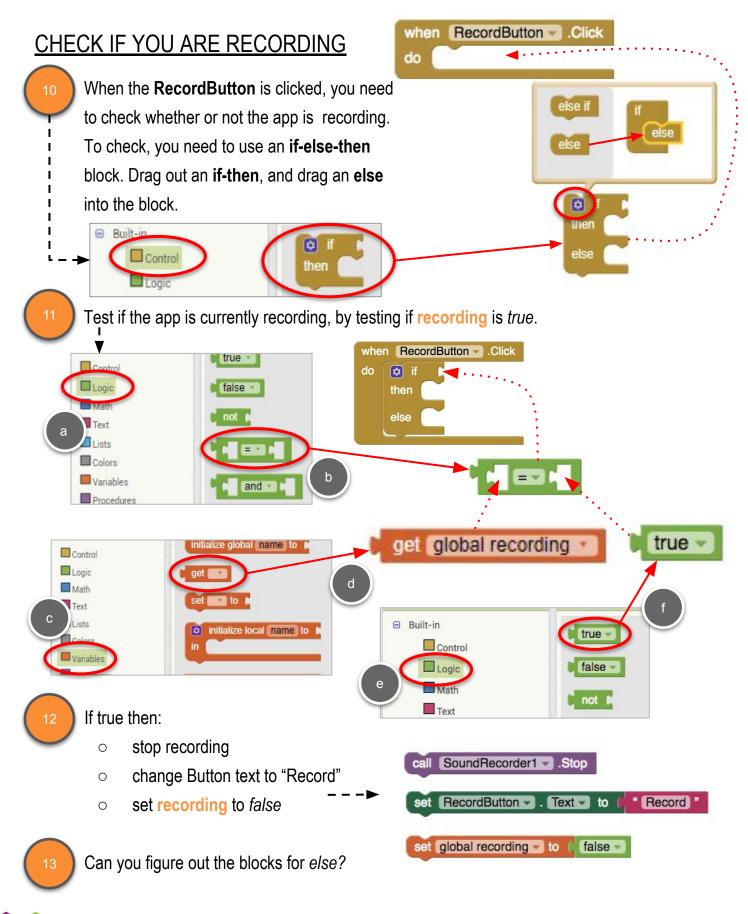


BOOLEAN VARIABLE

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**.



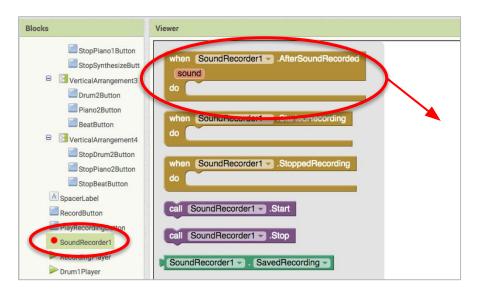




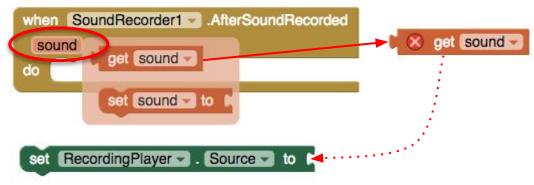
AFTER RECORDING



For the **SoundRecorder**, after the music is recorded, 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.



Do not forget to code the PlayRecordingButton.Click event!



You might want to disable the **PlayRecordingButton** until the sound has been recorded. Can you figure out how to disable and enable that Button?

What should happen when the user clicks this button?

