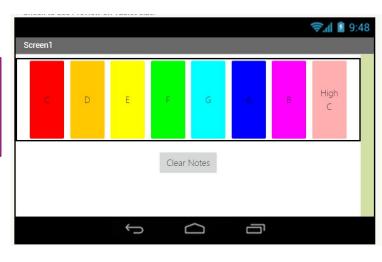
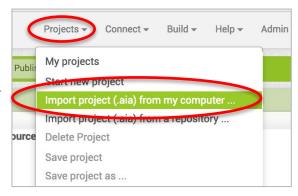


- Go to the MIT App Inventor website (<a href="http://ai2.appinventor.mit.edu">http://ai2.appinventor.mit.edu</a>) and sign in to your account.
- Import the "MyPiano\_Template.aia" - > project provided by your teacher.
- Your Designer is empty except for media files. Note that all the sound files are included and appear in the Media panel.

The goal is a piano with eight keys, side by side. To do that you need to add a HorizontalArrangement.

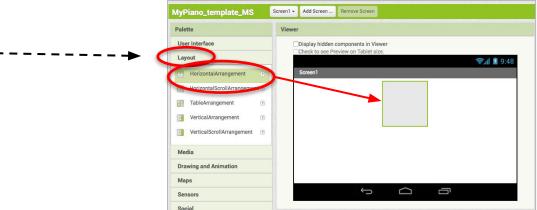
Drag out a **HorizontalArrangement** from the Layout Drawer.







Also note the Viewer shows the phone sideways. The Screen is in *Landscape* mode.



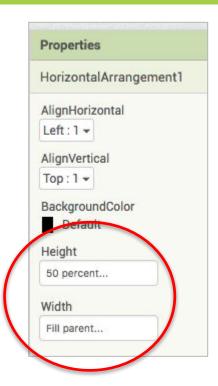


### LET'S CONTINUE

- Change the *Height* of the **HorizontalArrangement** to **50%** and its *Width* to **Fill Parent**.
- Drag *eight* Buttons into the **HorizontalArrangement**.

  They will appear side by side.





The correct order of piano keys is "C D E F G A B HighC," so name each button according to its note.

- Click on **Button1** in the Components window and change its name to "**CNote**".
- 8 Rename **Button2** "DNote".
- Rename the remaining keys in this order "C D E F G A B HighC".







## **SETTING PROPERTIES**

10 Change **CNote's** Properties as follows:

Background Color: Red

Height: Fill parent

• Width: 10 percent

Text: C



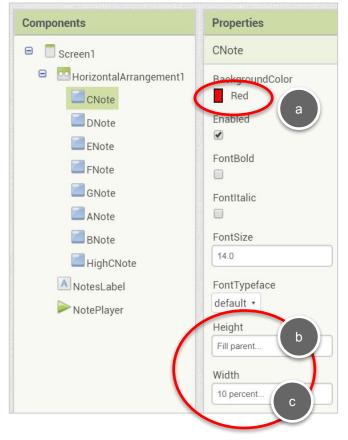
Change properties for **DNote**:

Background Color: Orange

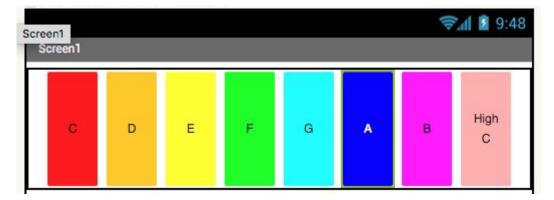
• Height: Fill parent

• Width: 10 percent

Text: D



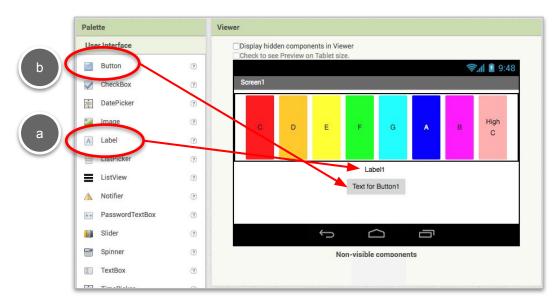
Change the remaining keys so your layout looks like the one below.





## **ADDING MORE COMPONENTS**

Drag a Label and a Button and place them both below HorizontalArrangement1.

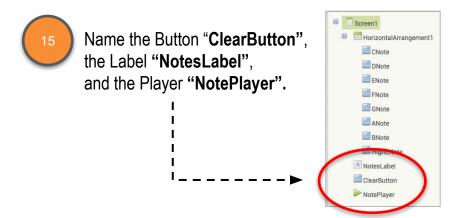


From the **Media** drawer, drag a **Player** component onto the Viewer.





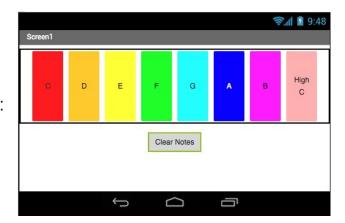
# **ADDING MORE COMPONENTS (continued)**



Set the *Text* property for **NotesLabel** to **blank** (erase all the text).

Set the *Text* property for **ClearButton** to "Clear Notes".

Your layout should look like this:







#### COMPUTATIONAL THINKING CONCEPTS

The following are the Computational Thinking Concepts learned in Part 1.

