

MY PIANO: PART 1

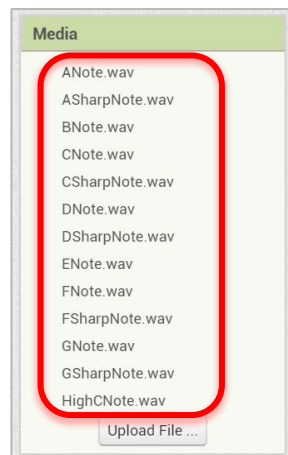
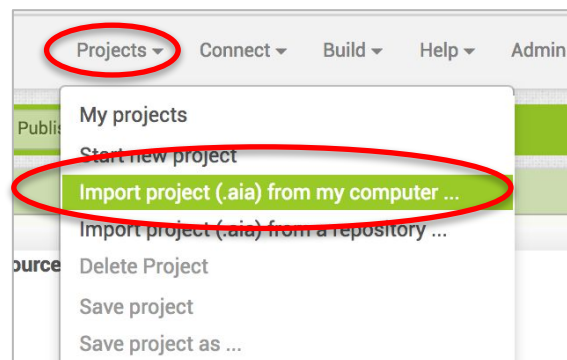
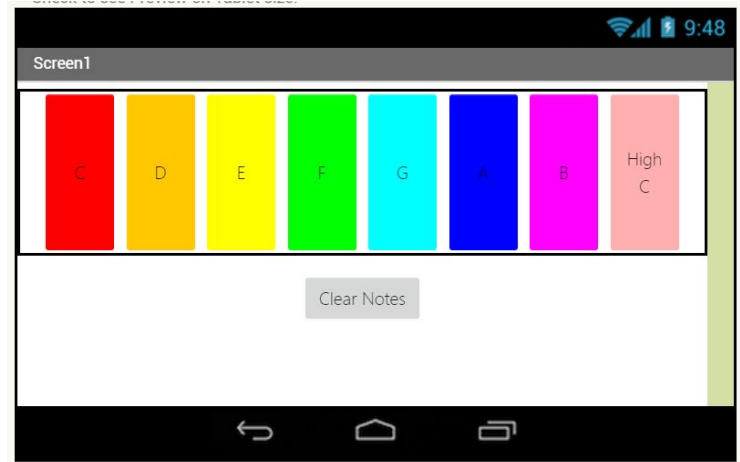
In this lesson, you will create a project with App Inventor that will play notes like a piano!

START HERE

1 Go to the MIT App Inventor website (<http://ai2.appinventor.mit.edu>) and sign in to your account.

2 Import the “MyPiano_Template.aia” – – –

3 Your Designer will be empty except for the media files. Note that all the sound files are included and appear in the Media panel.



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

The goal is a piano with eight keys, side by side.

DESIGNER

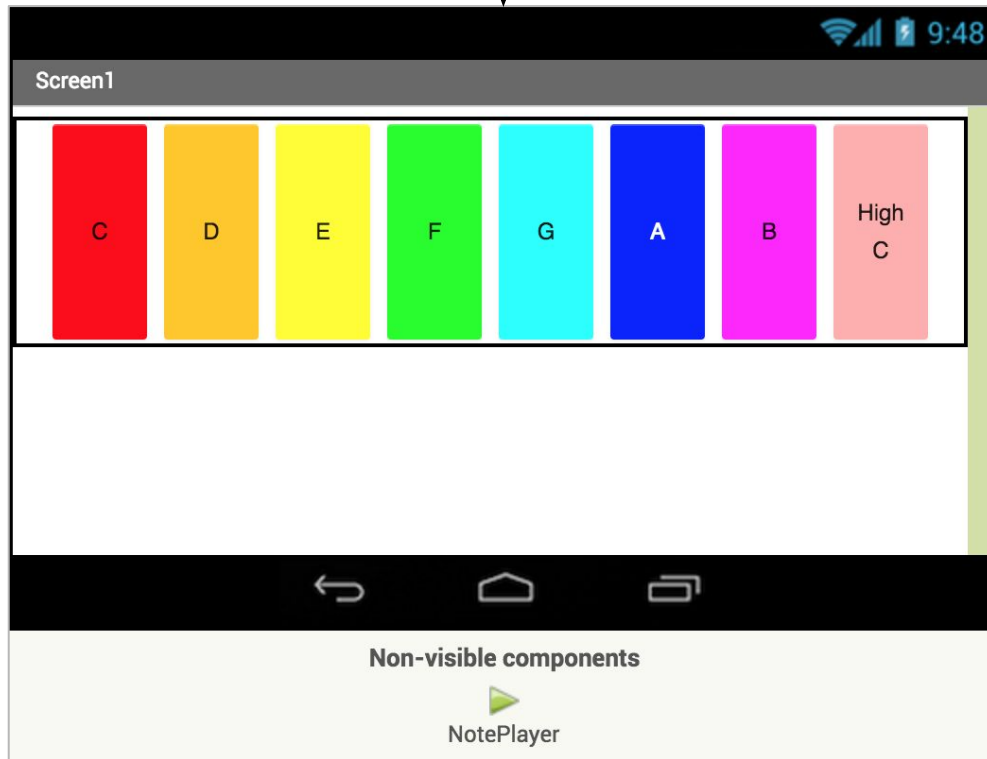


Add the components below to your Designer view:

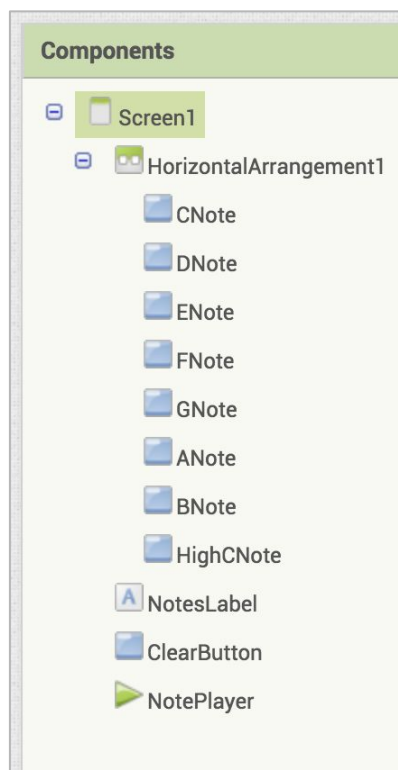
Drawer	Component	Name	Property	Setting
		Screen1	<i>AlignHorizontal</i>	“Center: 3”
Layout	HorizontalArrangement	HorizontalArrangement1	<i>Width</i> <i>Height</i>	“Fill Parent” 50%
User Interface	Button (8)		<i>Width (all)</i> <i>Height (all)</i>	10% “Fill Parent”
		CNote	<i>Text</i> <i>BackgroundColor</i>	C Red
		DNote	<i>Text</i> <i>BackgroundColor</i>	D Orange
		ENote	<i>Text</i> <i>BackgroundColor</i>	E Yellow
		FNote	<i>Text</i> <i>BackgroundColor</i>	F Green
		GNote	<i>Text</i> <i>BackgroundColor</i>	G Cyan
		ANote	<i>Text</i> <i>BackgroundColor</i>	A Blue
		BNote	<i>Text</i> <i>BackgroundColor</i>	B Magenta
		HighCNote	<i>Text</i> <i>BackgroundColor</i>	HighC Pink
User Interface	Label	NotesLabel	<i>Text</i>	“” (blank)
User Interface	Button	ClearButton	<i>Text</i>	Clear Notes
Media	Player	NotePlayer		

DESIGNER VIEW (continued)

Your Designer view should look like this: - - - ↴



And your Component list should look like this: - - - ➡



You'll code the blocks in Part 2!



While you may use a Sound component for short sounds, the Player component is more reliable to play all sound files.



COMPUTATIONAL THINKING CONCEPTS

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

My Piano

1. Naming:

