**Layout**

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**Xylophone App**

1. **Features**

* One octave of Keys from A to G
* Plays actual xylophones sounds
* The buttons glow on pressing or touching
* Option to record a sequence and playback

1. **Technologies Overview**

* Keys A-G (ImageButton)
* Plays the notes in Xylophone Sound
* stopButton (ImageButton)
* To stop recording or to stop the

The playback of the recording

* recordButton (ImageButton)
* To record what the user is playing
* playButton (ImageButton)
* to playback the previous recording.
* XylophoneLinearLayout
* Two rows and 1 column
* Row one has a Vertical Linear Layout for the

Stop, record, and play buttons.

* Row two has the GridLayout for the Xylophone Keys

1. **XML files for “Glow on Key Press” Feature**

* In the drawable folder, 8 XML files contain code for the

State of the buttons. For pressed state, one color is set,

For the default state, another color is set. So, when the user

Presses/touches the button on the phone screen, it would

Appear as if the button is glowing.

* A selector is used. Example code:

*<?***xml version="1.0" encoding="utf-8"***?>*<**selector xmlns:android="http://schemas.android.com/apk/res/android"**>  
 <**item android:state\_pressed="true" android:drawable="@color/PlayRecordStopPressColor"** />  
 <**item android:state\_focused="true" android:drawable="@color/PlayRecordStopPressColor"** />  
 <**item android:drawable="@color/playButtonColor"** />  
</**selector**>