Android Emulator Creation Tutorial

This tutorial is for students that would like to use the Zoolab computers to run/test their Android programs.

(also useful for students using their own computers)

Step 1: Navigate to the AVD Manager in Android Studio

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Step 2: Select Create Virtual Device in the bottom of the screen.

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Step 3: Select the size/type of screen you would like for your emulator and then press next.

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		ect Hardware e a device definition					Size on Disk
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	Category	Name *	Size	Resolution	Density	Nexus 5	
	TV	Nexus S	4.0*	480x800	hdpi		
	Wear	Nexus One	3.7*	480x800	hdpi	1080px Size: normal	
	Phone	Nexus 6P	5.7*	1440x2560	560dpi	Ratio: notiong Density: xxhdpi	
	Tablet	Nexus 6	5.96*	1440x2560	560dpi	4.95° 1920ps	
		Nexus 5X	5.2*	1080x1920	420dpi		
		Nexus 5	4.95*	1060x1920	xxhdpi		
		Nexus 4	4.7"	768x1280	xhdpi		
		Galaxy Nexus	4.65"	720x1280	xhdpi		
		5.4° FWVGA	5.4"	480x854	mdpi		
		5.1" WVGA	5.1*	480x800	mdpi		
		4.7" WXGA	4,7*	720x1280	xhdpi		
		4.65" 720p (Galaxy Nexus)	4.65*	720x1280	xhdpi		
		4" WVGA (Nexus S)	4.0*	480x800	hdpi	վ Լ	
	New Hardware	e Profile Import Hardware Pr	ofiles		Ø	Clone Device	

Step 4: The Zoolab computers will only have a few system images installed, but to get the emulators up and running, will need to install a different one. Select the "Show downloadable System Images" checkbox at the bottom of the screen.

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API Level 23 Android 6.0 Google Inc.
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6.0 Google Inc.
System Image
x86

Step 5: Based on the SDK version you will be using for the project, find the ameabi-v7a system image and press the download button. When the installation is finished, select the installed image, press next and then finish on the next screen to create the emulator.

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System Image Select a system image								
Release Name	N API Level *	ABI x85_64	Android null Target					
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Marshmallow Download	23	x86_64	Android 6.0 (with Google APIs)					
Marshmallow Download	23	armeabi-v7a	Android 6.0					
Marshmallow Download	23	×86	Android 6.0					
Marshmallow Download	23	x86_64	Android 6.0					
Lollipop Download	22	armeabi-v7a	Android 5.1 (with Google APIs)					
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Lollipop Download	21	x86	Android 5.0 (with Google APIs)					
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Now when you run your program, your new emulator will show up in the dropdown.

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