

SESSÃO 01 – CONFIGURAÇÃO DO AMBIENTE E FERRAMENTAS



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DESENVOLVEDOR ANDROID NAS HORAS VAGAS PESQUISADOR NA UFMG CODE FOR FOOD

@JORDANSILVA



FELIPE ARIMATÉIA

ENGENHEIRO DE SOFTWARE MOBILE NA CI&T SWAT TEAM I LOVE CODE

@TWITERDOARI

ANTES DE COMEÇAR, ALGUNS LINKS!

- http://developerstudyjams.com/
- http://www.udacity.com/
- https://www.udacity.com/account/affiliate/GoogleStudyJams
- http://www.gdgbh.org/
- https://gdgbh.slack.com/

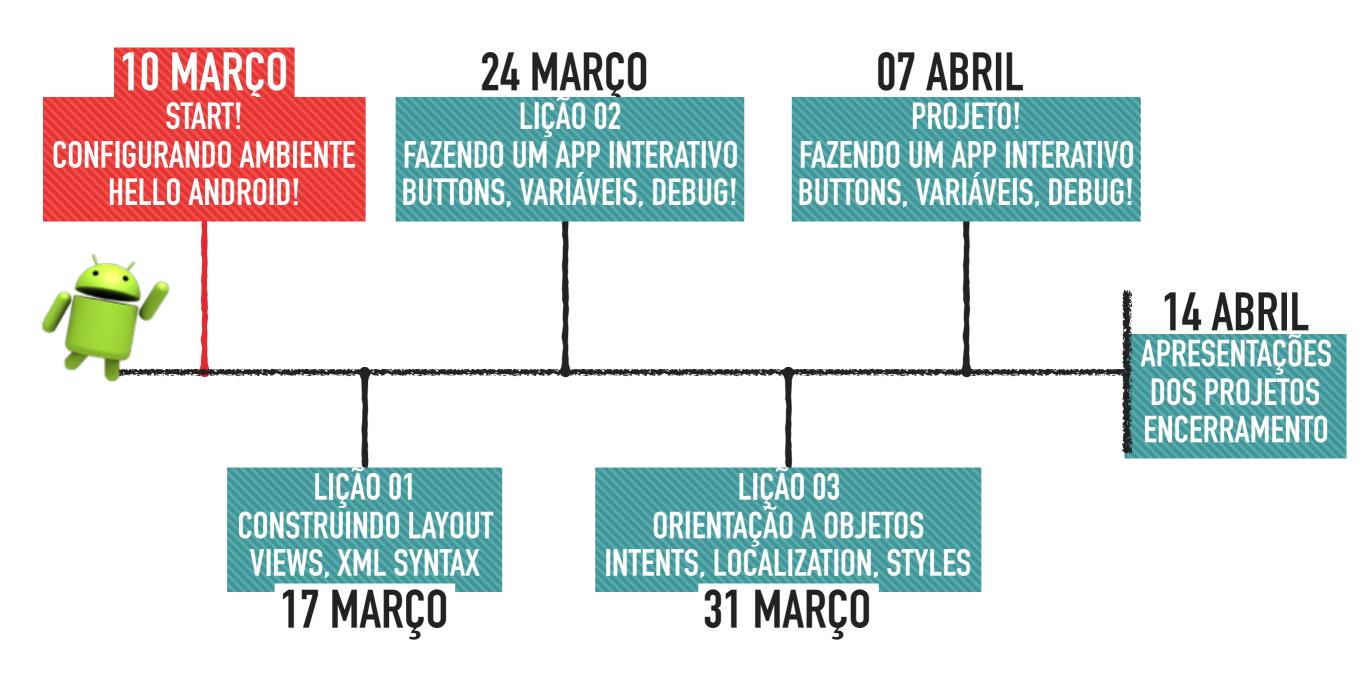
O QUE PRECISO PARA COMEÇAR?





Odication Dedication

COMPLETE TODAS AS ETAPAS!





INSTALANDO O ANDROID STUDIO

- 1. INSTALAR O JAVA DEVELOPMENT KIT
- 2. INSTALAR O ANDROID STUDIO



INSTALANDO O JDK

- 1. INSTALAR O JAVA DEVELOPMENT KIT
 - VERIFIQUE NO SEU TERMINAL SE JÁ POSSUI ALGUMA VERSÃO JAVA INSTALADA
 - comando: java -version

```
Last login: Thu Mar 10 12:50:46 on ttys000
[[jordansilva@Gaia ~ ]$ java -version
    java version "1.8.0_73"
Java(TM) SE Runtime Environment (build 1.8.0_73-b02)
Java HotSpot(TM) 64-Bit Server VM (build 25.73-b02, mixed mode)
[jordansilva@Gaia ~ ]$
```

INSTALANDO O JDK

- 1. INSTALAR O JAVA DEVELOPMENT KIT
 - Google It: "jdk 8 download"
 - http://www.oracle.com/technetwork/java/javase/ downloads/index.html
 - APÓS A INSTALAÇÃO VERIFIQUE NO TERMINAL A VERSÃO INSTALADA

INSTALANDO O ANDROID STUDIO

1. INSTALAR O JAVA DEVELOPMENT KIT



- 2. INSTALAR O ANDROID STUDIO
 - Google It: "Android Studio"
 - http://developer.android.com/intl/pt-br/sdk/index.html

VARIÁVEIS DE AMBIENTE (WINDOWS)

JAVA

JAVA_HOME = C:\Program Files\Java\jdk1.7.0_79

PATH = ;%JAVA_HOME%\bin; (acrescentar na variável PATH)

ANDROID

ANDROID_HOME = <diretorio_android_sdk>

PATH = ;%ANDROID_HOME%\tools;%ANDROID_HOME%\platform-tools (acrescentar na variável PATH)

VARIÁVEIS DE AMBIENTE (MAC OS X)

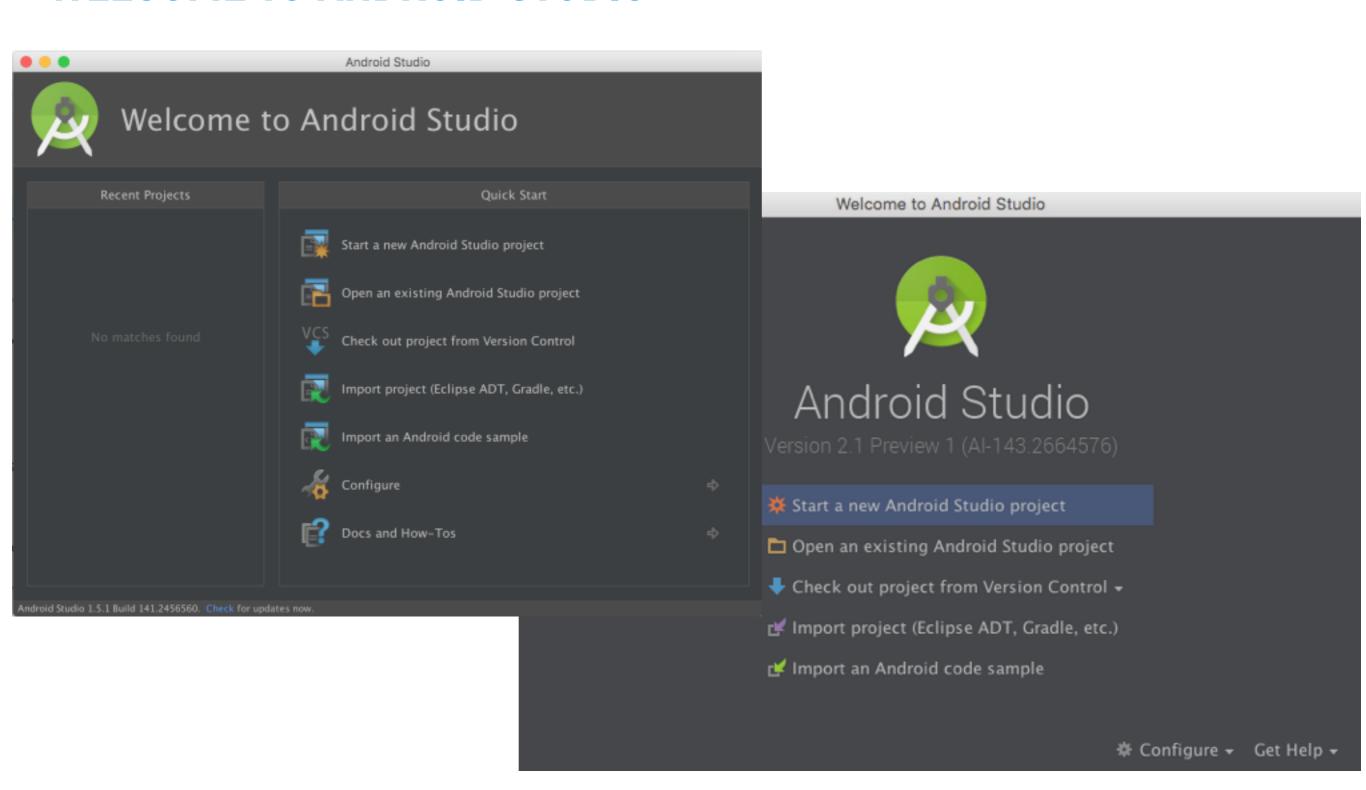
JAVA

```
export JAVA_HOME=$(/usr/libexec/java_home -v 1.8)
export PATH=${JAVA_HOME}/bin:$PATH
```

ANDROID

```
export ANDROID_HOME=/Users/<user>/Library/Android/sdk
export PATH=$PATH:$ANDROID_HOME/tools:
$ANDROID_HOME/platform-tools
```

WELCOME TO ANDROID STUDIO



HELP



CONFIGURAÇÕES E PREFERÊNCIAS



CÓDIGOS DE EXEMPLOS



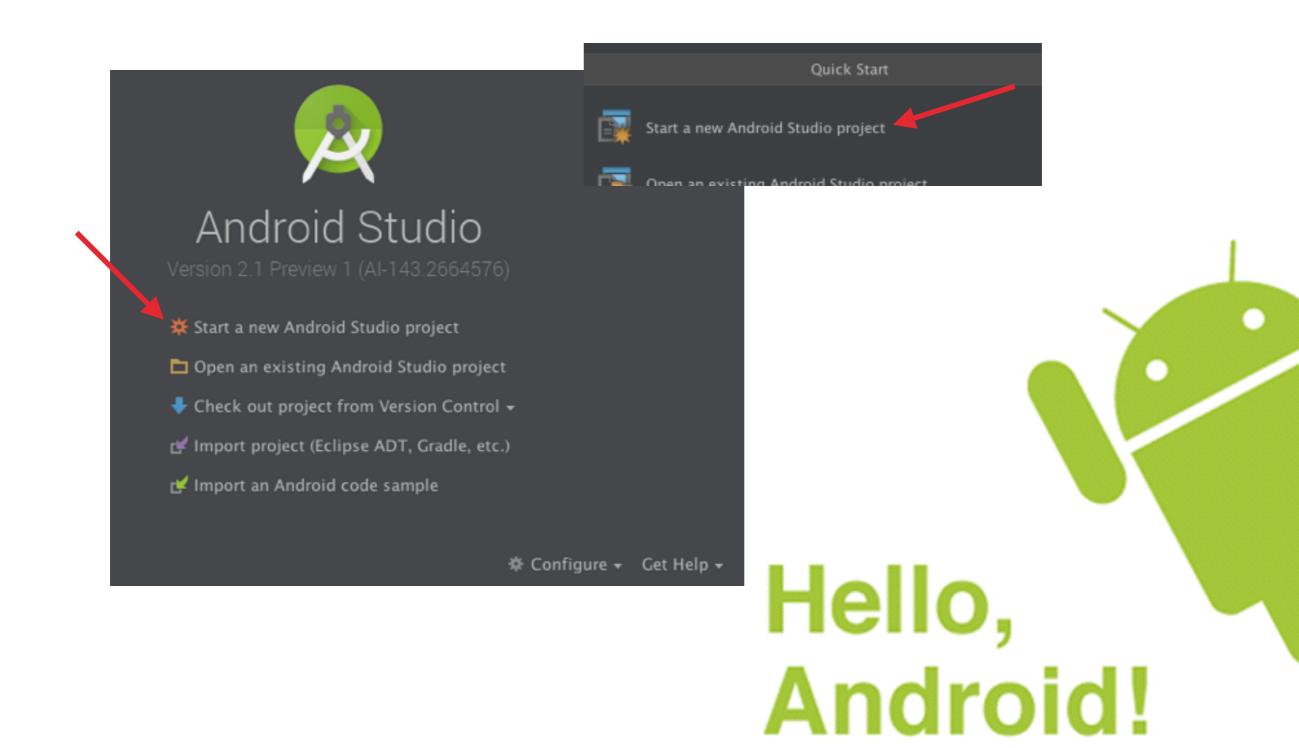
SUPORTE PARA OUTRAS IDES

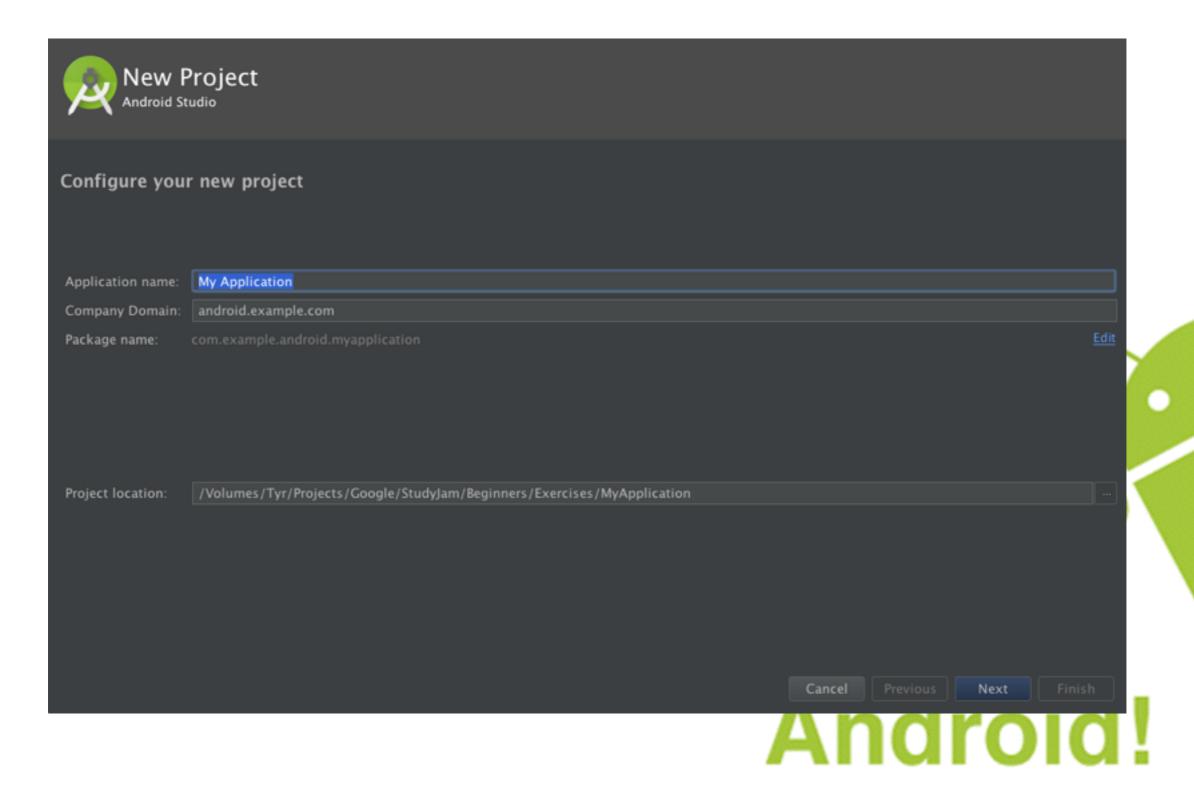


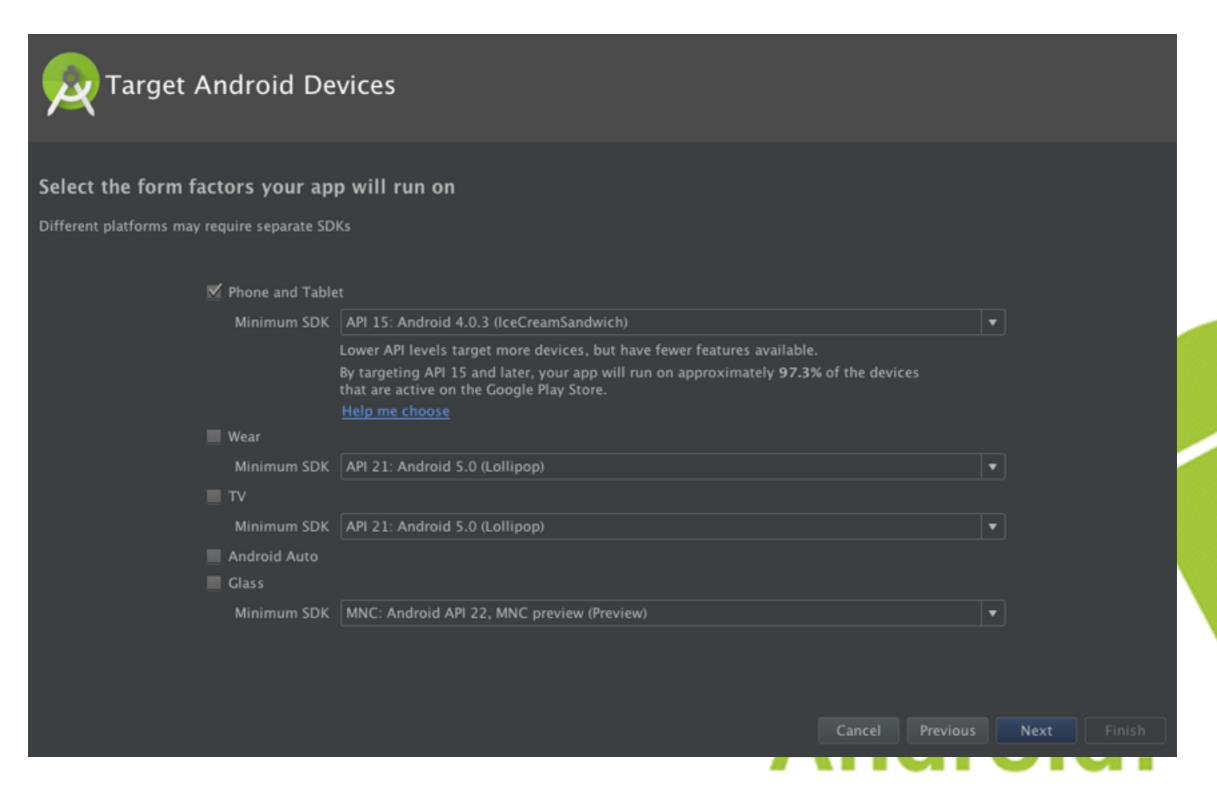
CONTROLE DE VERSÃO



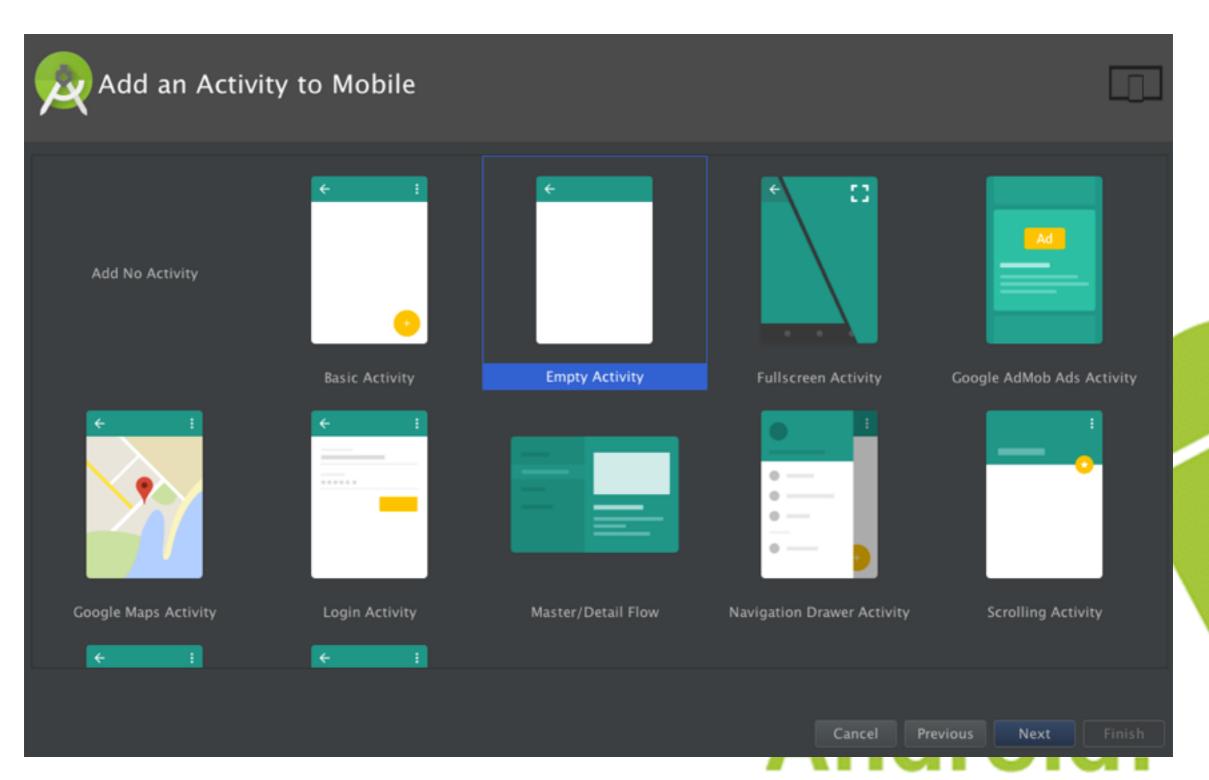
VAMOS COMEÇAR!

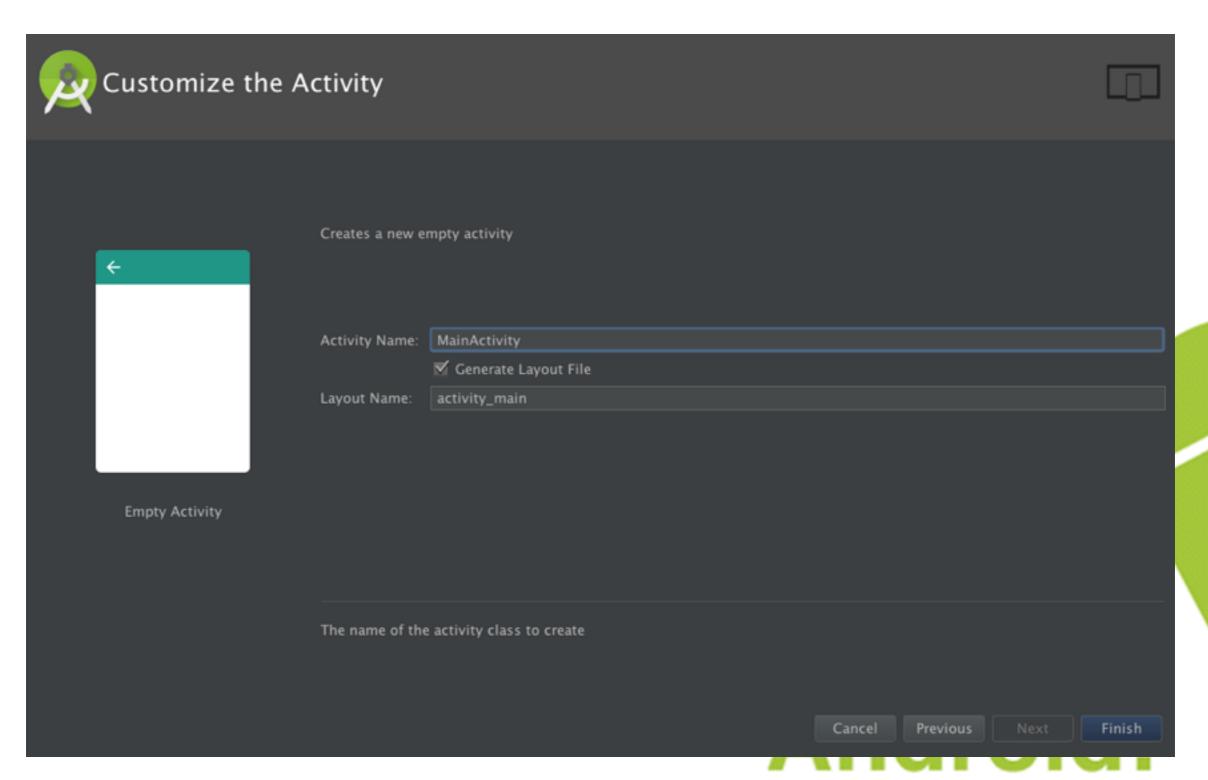






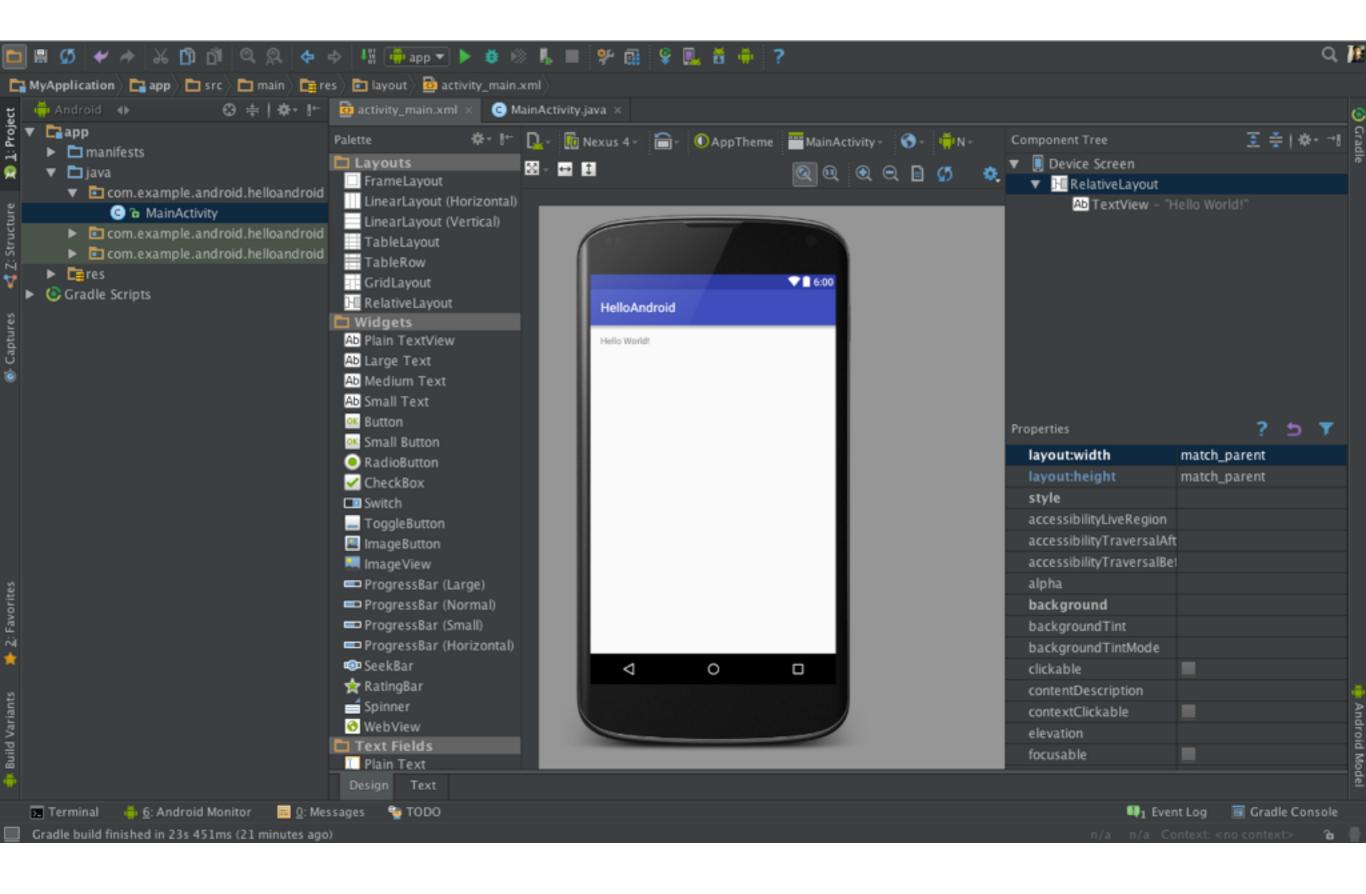
ANDROID PLATFORM	API LEVEL	CUMULATIVE	Ice Cream Sandwich	
VERSION 2.3 Gingerbread	10	DISTRIBUTION 97.3%	Contacts Provider	Accessibility
4.0 Ice Cream Sandwich	15	94.8%	Social APIs Explore-by-touch mode User profile Accessibility for views	Accessibility for views
4.1 Jelly Bean	16	86.0%	Invite intent Large photos	Accessibility services Improved text-to-speech engine support
4. 2. Jolly Poop	1 7		Calendar Provider	User Interface
4.2 Jelly Bean	17	74.3%	Calendar APIs Event intents	Spell checker services
4.3 Jelly Bean	18	70.9%	Voicemail Provider	Improved action bar Grid layout
			Add voicemails to the device	Texture view Switch widget
			Multimedia	Improved popup menus
4.4 KitKat	19		Media effects for images and video Remote control client Improved media player	System themes Controls for system UI visibility Hover event support Hardware acceleration for all windows
			Camera	Enterprise
	2.1	<u>35.4%</u>	Face detection Focus and metering areas Continuous auto focus Camera broadcast intents	VPN services Device policies Certificate management
5.0 Lollipop	21		Connectivity	Device Sensors
5.1 Lollipop	22	18.4%	Android Beam for NDEF push with NFC Wi-Fi P2P connections Bluetooth health profile	Improved sensors Temperature sensor Humidity sensor
6.0 Marshmallow	23	1.3%	Network usage and controls	
			https://developer.android.com/abou	t/versions/android-4.0.html



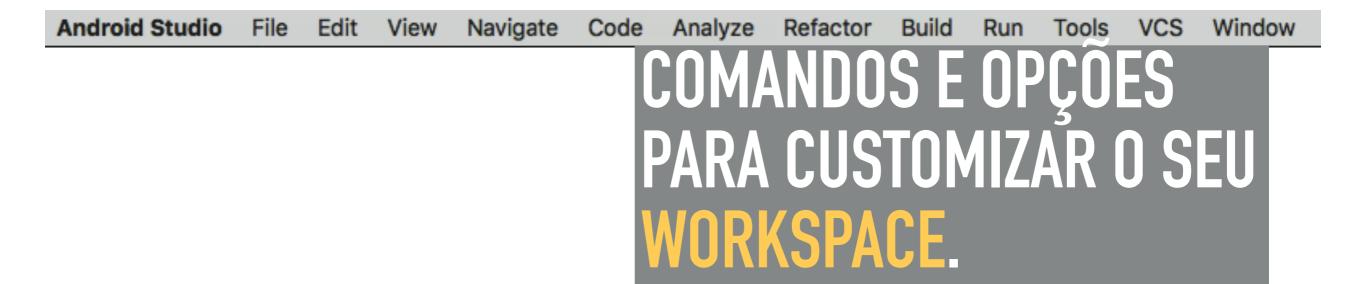




ANDROID STUDY JAMS: CONFIGURAÇÃO DO AMBIENTE E FERRAMENTAS



MENU



TOOLBAR (BARRA DE FERRAMENTAS)

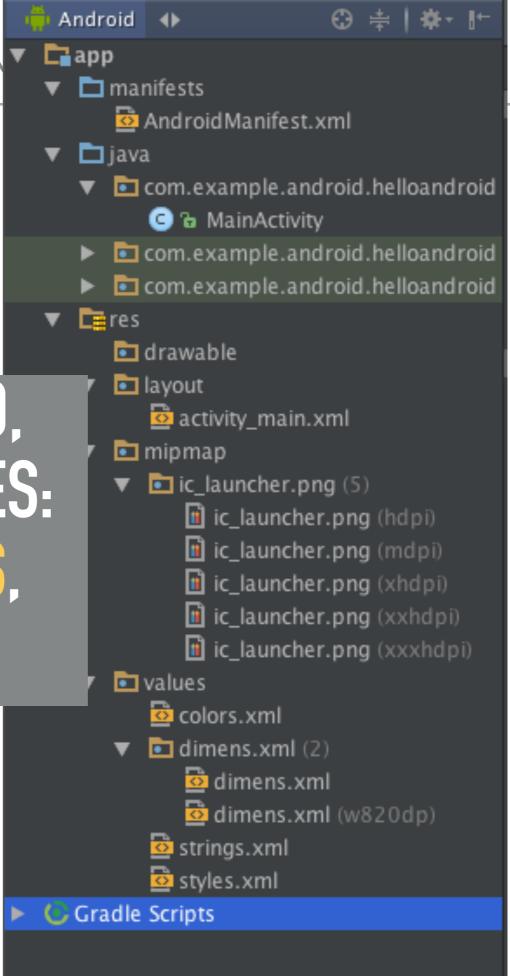


PROJECT PATH (ÁRVORE DE NAVEGAÇÃO DO PROJETO)



PROJECT PANEL

EXIBE A ESTRUTURA DO PROJETO, PERMITE REALIZAR VÁRIAS AÇÕES: ADICIONAR ACTIVITIES, IMAGENS, NAVEGAR ENTRE OS ARQUIVOS.



ANDROID STUDY JAMS: CONFIGURAÇÃO DO AMBIENTE E FERRAMENTAS

FILE EDITOR

```
package com.lockerfish.myapplication;

package com.lockerfish.myapplication;

public class MainActivity extends AppCompatActivity {

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity_main);

Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);

setSupportActionBar(toolbar);

PloatingActionButton fab = (FloatingActionButton) findViewById(R.id.fab);

fab.setOnClickListener((view) = {

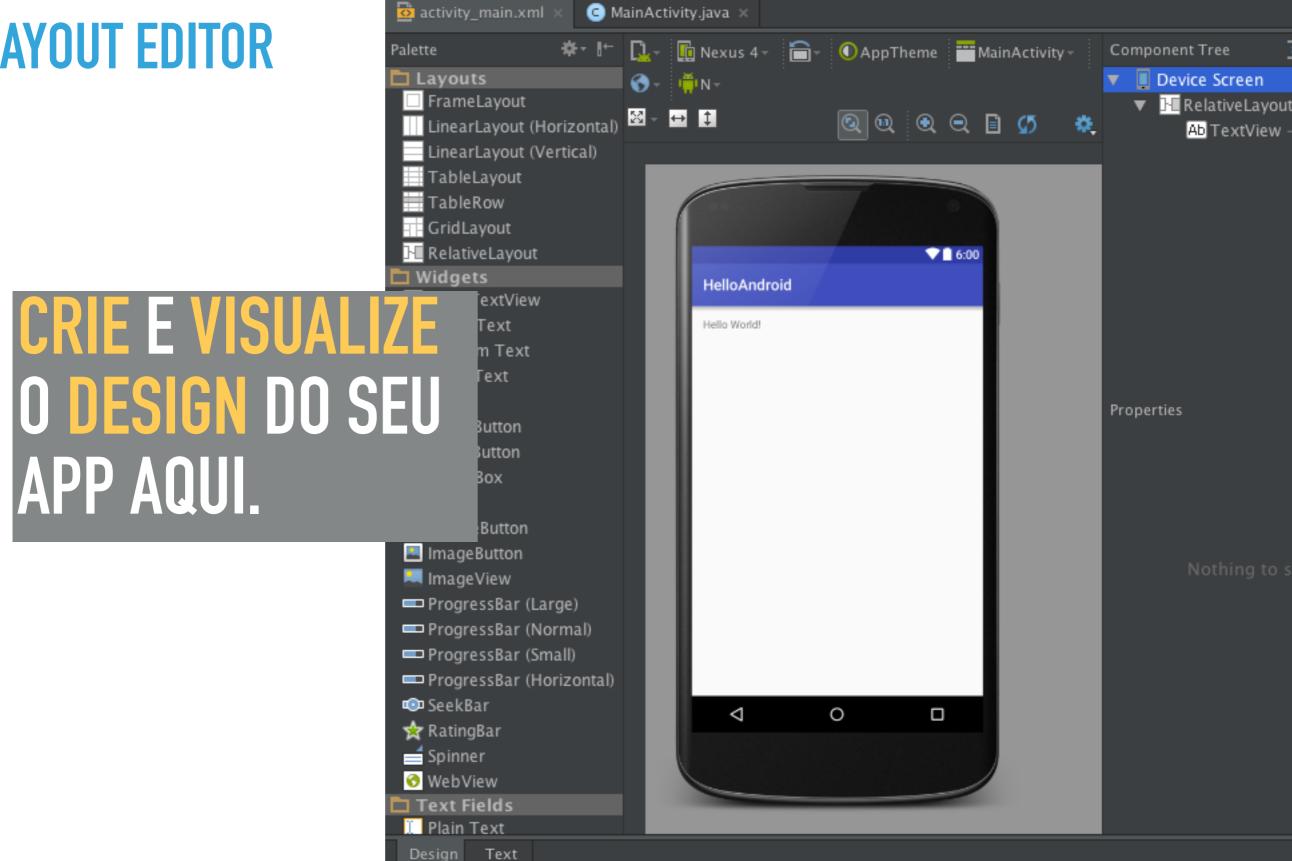
Snackbar.make(view, "Replace with your own action", Snackbar.LENGTH_LONG)

.setAction("Action", null).show();
```

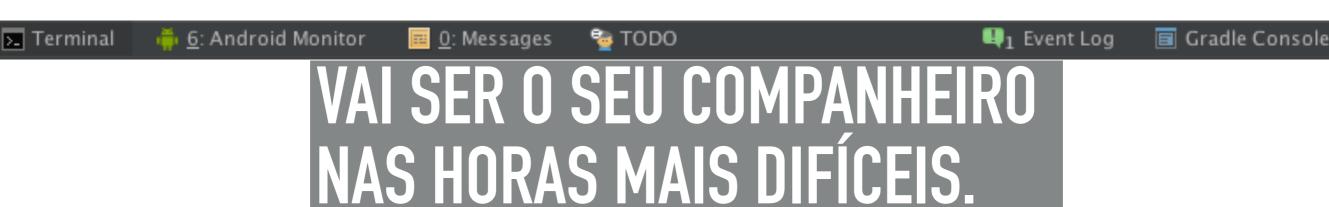
ONDE VAMOS BOTAR A MÃO NA MASSA!

```
de
poolean onCreateOptionsMenu(Menu menu) {
Inflate the menu; this adds items to the action bar if it is present.
MenuInflater().inflate(R.menu.menu_main, menu);
urn true;
```

LAYOUT EDITOR



STATUS BAR

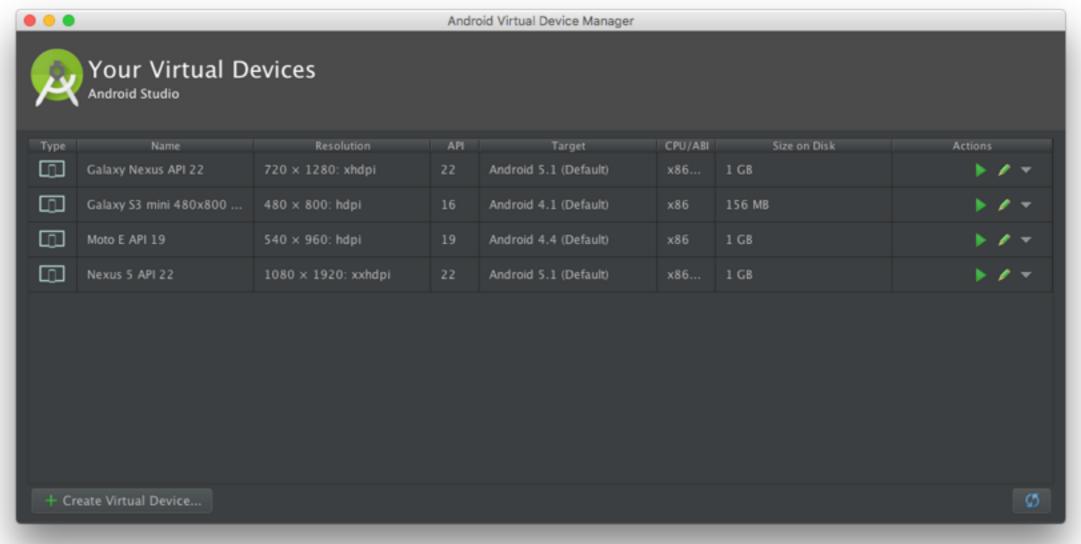


STATUS DE ATUALIZAÇÃO, ERROS, DEBUG.

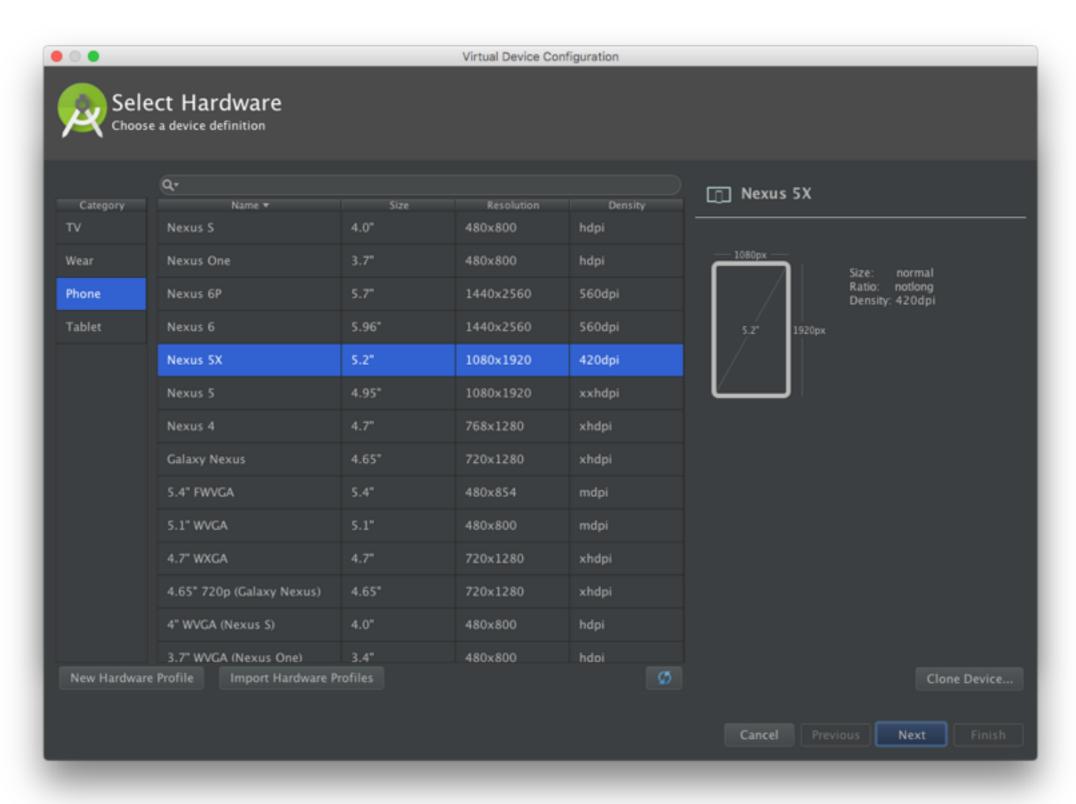
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EMULADOR

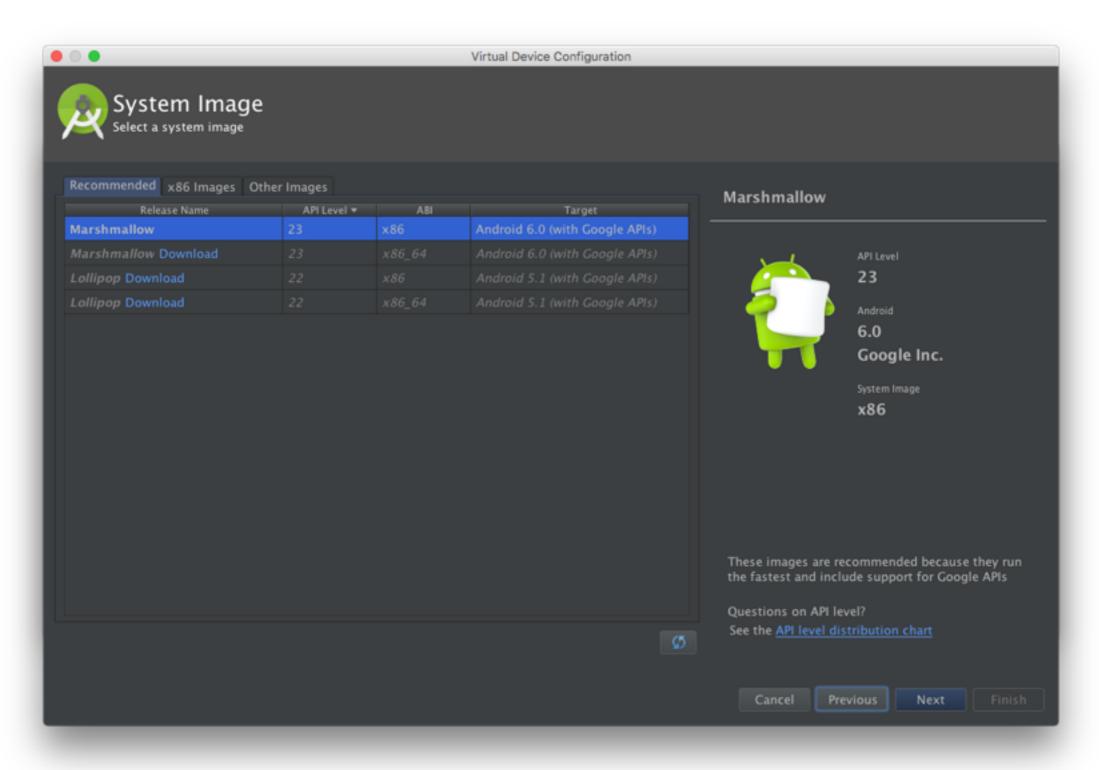




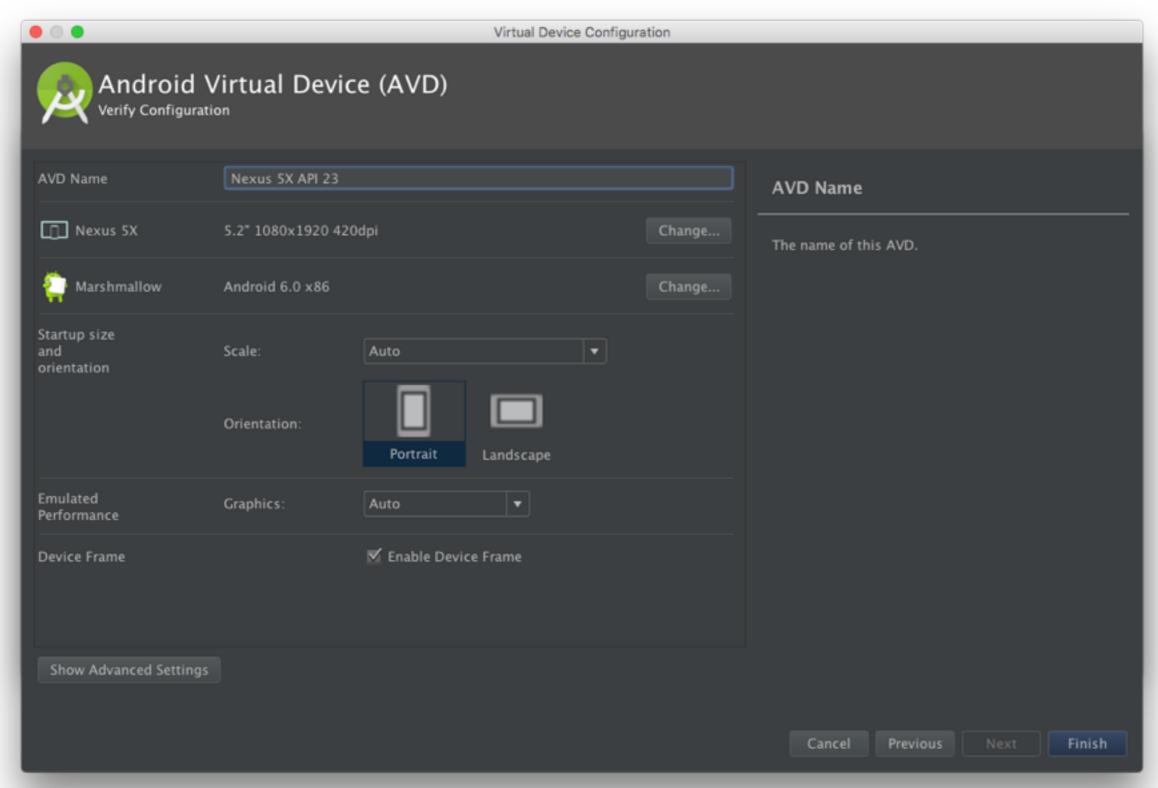
EMULADOR - SELECT HARDWARE



EMULADOR - SELECT SYSTEM IMAGE

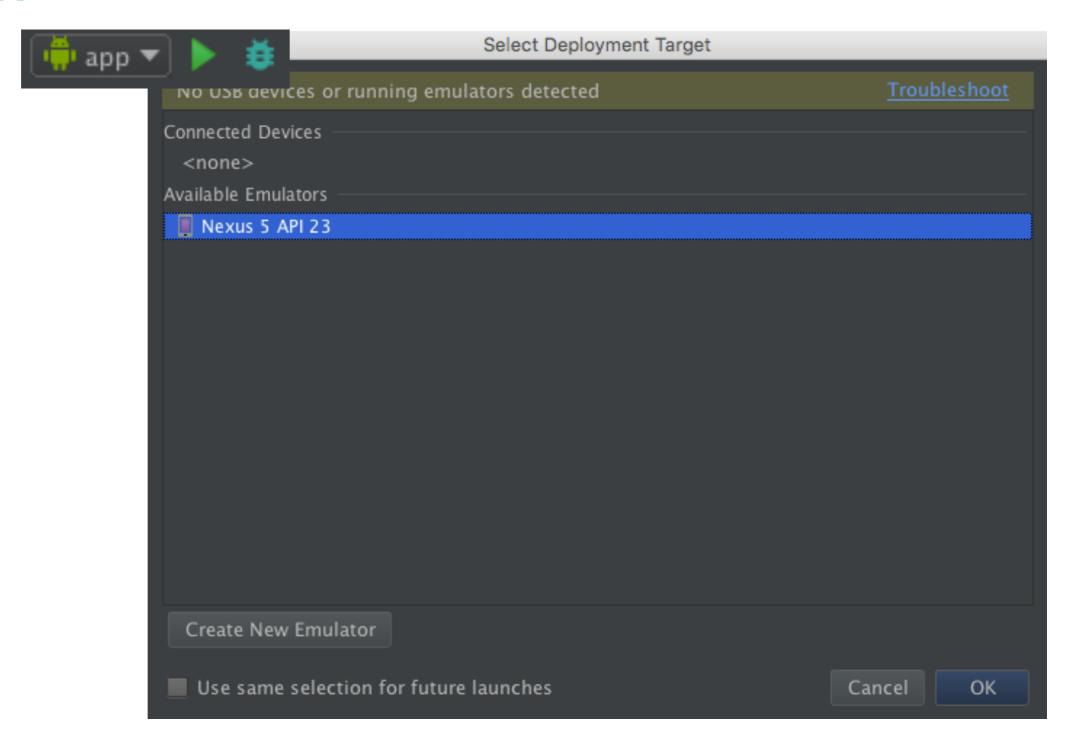


EMULADOR - CONFIGURATION



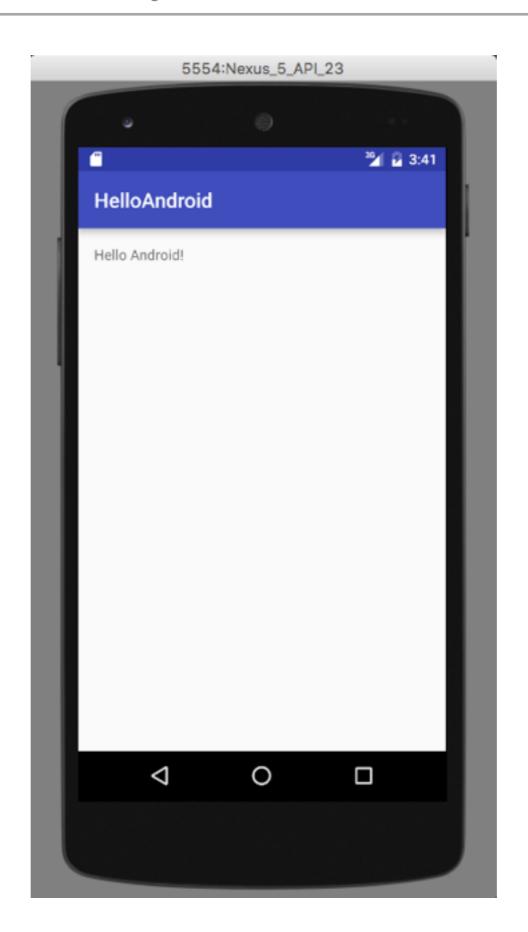
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LET'S PLAY!



ANDROID STUDY JAMS: CONFIGURAÇÃO DO AMBIENTE E FERRAMENTAS

LET'S PLAY!



LINKS ÚTEIS

INSTALANDO O ANDROID STUDIO

https://goo.gl/wqBBTr

VOCABULÁRIO ANDROID

https://goo.gl/dV7clj

UDACITY GOOGLE STUDY JAM

https://www.udacity.com/account/affiliate/GoogleStudyJams

https://goo.gl/dhwwY5 (Android Development For Beginners)

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- ► SLACK: GDGBH.SLACK.COM #devstudyjam