

Nombre completo: José Carlos Mora

AE U2.2 Actividades Android Studio

Actividad y tipo:	AE U2.2 Actividades Android Studio
Lugar:	Centro Docente
Individual / Equipo:	Individual
RA y CE	RA1.c, RA2.a, RA2.b y RA3.c.
Fecha:	Fecha de entrega disponible en Moodle
Formato	Se deberá entregar un .PDF con el siguiente formato: Nombre Apellidos - AE U1.pdf

Objetivos

El objetivo de esta actividad es identificar el conocimiento adquirido tras la revisión de la U2. Android Studio.

Descripción de la actividad

Realiza las siguientes actividades:

1. Busca en la página de Android Developers qué utilidad puede tener la inclusión del siguiente código en el Manifests: <uses-permission android:name = < permiso < android:SdkVersion = <entero>/> (2 puntos)
Ese elemento admite un atributo opcional, que indica que ese permiso sólo tiene sentido hasta un cierto nivel de API o hasta un mínimo de API

2. Inicializa un proyecto y calcula cuántos usuarios podrían acceder a la aplicación si tuvieran en un dispositivo las siguientes versiones de Android: kitkat, Lollipop (Api 22), Nougat (Api 25) y Oreo. (2 puntos)
Kit- kat → 100%
Lollipop 22 → 99.8%
Nougat 25 → 98,0%

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Oreo → 97,4%

3. Entra en los Setting de Android Studio (Ctrl+Alt+S) y comprueba los platforms de Android que tienes instalados o parcialmente instalados y las SDK Tools instaladas. (1,5 puntos)

SDK Platforms SDK Tools SDK Update Sites		
Below are the available SDK developer tools. Once installed, the IDE will automatically check for updates. Check "show package details" to display available versions of an SDK Tool.		
Name	Version	Status
<input checked="" type="checkbox"/> Android SDK Build-Tools		Update Available: 36.1.0
<input type="checkbox"/> NDK (Side by side)		Not Installed
<input type="checkbox"/> Android SDK Command-line Tools (latest)		Not Installed
<input type="checkbox"/> CMake		Not Installed
<input type="checkbox"/> Android Auto API Simulators	1	Not installed
<input type="checkbox"/> Android Auto Desktop Head Unit Emulator	2.0	Not installed
<input checked="" type="checkbox"/> Android Emulator	36.1.9	Update Available: 36.2.12
<input checked="" type="checkbox"/> Android Emulator hypervisor driver (installer)	2.2.0	Installed
<input checked="" type="checkbox"/> Android SDK Platform-Tools	36.0.0	Installed
<input type="checkbox"/> Android Support Repository	47.0.0	Not installed
<input type="checkbox"/> Google Play APK Expansion library	1	Not installed
<input type="checkbox"/> Google Play Instant Development SDK (Deprecated)	1.9.0	Not installed
<input type="checkbox"/> Google Play Licensing Library	1	Not installed
<input type="checkbox"/> Google Play services	49	Not installed
<input type="checkbox"/> Google Repository	58	Not installed
<input type="checkbox"/> Google USB Driver	13	Not installed
<input type="checkbox"/> Google Web Driver	2	Not installed
<input type="checkbox"/> Layout Inspector image server for API 29-30	6	Not installed
<input type="checkbox"/> Layout Inspector image server for API 31-36	8	Not installed
<input type="checkbox"/> Layout Inspector image server for API S	3	Not installed

SDK Platforms SDK Tools SDK Update Sites			
Each Android SDK Platform package includes the Android platform and sources pertaining to an API level by default. Once installed, the IDE will automatically check for updates. Check "show package details" to display individual SDK components.			
Name	API Level	Revision	Status
<input checked="" type="checkbox"/> Android 16.0 ("Baklava")	36.1	1	Not installed
<input type="checkbox"/> Android Baklava Preview	Baklava	1	Not installed
<input type="checkbox"/> Android Baklava Preview	Baklava	1	Not installed
<input checked="" type="checkbox"/> Android 16.0 ("Baklava")	36.0	2	Installed
<input type="checkbox"/> Android 16.0 ("Baklava")	36.0-ext18	1	Not installed
<input type="checkbox"/> Android 16.0 ("Baklava")	36.0-ext19	1	Not installed
<input type="checkbox"/> Android 15.0 ("VanillaIceCream")	35	2	Not installed
<input type="checkbox"/> Android 15.0 ("VanillaIceCream")	35-ext14	1	Not installed
<input type="checkbox"/> Android 15.0 ("VanillaIceCream")	35-ext15	1	Not installed
<input type="checkbox"/> Android 14.0 ("UpsideDownCake")	34	3	Not installed
<input type="checkbox"/> Android 14.0 ("UpsideDownCake")	34-ext8	1	Not installed
<input type="checkbox"/> Android 14.0 ("UpsideDownCake")	34-ext10	1	Not installed
<input type="checkbox"/> Android 14.0 ("UpsideDownCake")	34-ext11	1	Not installed
<input type="checkbox"/> Android 14.0 ("UpsideDownCake")	34-ext12	1	Not installed
<input type="checkbox"/> Android 13.0 ("Tiramisu")	33	3	Not installed
<input type="checkbox"/> Android 13.0 ("Tiramisu")	33-ext4	1	Not installed
<input type="checkbox"/> Android 13.0 ("Tiramisu")	33-ext5	1	Not installed
<input type="checkbox"/> Android 12L ("Sv2")	32	1	Not installed
<input type="checkbox"/> Android 12.0 ("S")	31	1	Not installed
<input type="checkbox"/> Android 11.0 ("R")	30	3	Not installed
<input type="checkbox"/> Android 10.0 ("Q")	29	5	Not installed
<input type="checkbox"/> Android 9.0 ("Pie")	28	6	Not installed
<input type="checkbox"/> Android 8.1 ("Oreo")	27	3	Not installed
<input type="checkbox"/> Android 8.0 ("Oreo")	26	2	Not installed
<input type="checkbox"/> Android 7.1.1 ("Nougat")	25	3	Not installed
<input type="checkbox"/> Android 7.0 ("Nougat")	24	2	Not installed
<input type="checkbox"/> Android 6.0 ("Marshmallow")	23	3	Not installed

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SDK Platforms	SDK Tools	SDK Update Sites	
Each Android SDK Platform package includes the Android platform and sources pertaining to an API level by default. Once installed, the IDE will automatically check for updates. Check "show package details" to display individual SDK components.			
Name	API Level	Revision	Status
<input type="checkbox"/> Android 13.0 ("Tiramisu")	33-ext5	1	Not installed
<input type="checkbox"/> Android 12L ("Sv2")	32	1	Not installed
<input type="checkbox"/> Android 12.0 ("S")	31	1	Not installed
<input type="checkbox"/> Android 11.0 ("R")	30	3	Not installed
<input type="checkbox"/> Android 10.0 ("Q")	29	5	Not installed
<input type="checkbox"/> Android 9.0 ("Pie")	28	6	Not installed
<input type="checkbox"/> Android 8.1 ("Oreo")	27	3	Not installed
<input type="checkbox"/> Android 8.0 ("Oreo")	26	2	Not installed
<input type="checkbox"/> Android 7.1.1 ("Nougat")	25	3	Not installed
<input type="checkbox"/> Android 7.0 ("Nougat")	24	2	Not installed
<input type="checkbox"/> Android 6.0 ("Marshmallow")	23	3	Not installed
<input type="checkbox"/> Android 5.1 ("Lollipop")	22	2	Not installed
<input type="checkbox"/> Android 5.0 ("Lollipop")	21	2	Not installed
<input type="checkbox"/> Android 4.4W ("KitKat Wear")	20	2	Not installed
<input type="checkbox"/> Android 4.4 ("KitKat")	19	4	Not installed
<input type="checkbox"/> Android 4.3 ("Jelly Bean")	18	3	Not installed
<input type="checkbox"/> Android 4.2 ("Jelly Bean")	17	3	Not installed
<input type="checkbox"/> Android 4.1 ("Jelly Bean")	16	5	Not installed
<input type="checkbox"/> Android 4.0.3 ("IceCreamSandwich")	15	5	Not installed
<input type="checkbox"/> Android 4.0 ("IceCreamSandwich")	14	4	Not installed
<input type="checkbox"/> Android 3.2 ("Honeycomb")	13	1	Not installed
<input type="checkbox"/> Android 3.1 ("Honeycomb")	12	3	Not installed
<input type="checkbox"/> Android 3.0 ("Honeycomb")	11	2	Not installed
<input type="checkbox"/> Android 2.3.3 ("Gingerbread")	10	2	Not installed
<input type="checkbox"/> Android 2.3 ("Gingerbread")	9	2	Not installed
<input type="checkbox"/> Android 2.2 ("Froyo")	8	3	Not installed
<input type="checkbox"/> Android 2.1 ("Eclair")	7	3	Not installed

Hide Obsolete Packages Show Package Details

4. Inicia Android Studio y entra en el archivo build.gradle (Module:app) que se encuentra en la carpeta Gradle Scripts y anota las dependencias que implementará tu entorno en las aplicaciones que desarrolles. (1,5 puntos)

libs.appcompat

libs.material

libs.activity

libs.constraintlayout

libs.junit

libs.ext.junit

libs.espresso.core

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5. Crea mediante el AVD Manager un dispositivo virtual que tenga iguales o similares características que tu teléfono móvil habitual (en el caso de usar iPhone, desplegar un Samsung s25. (3 puntos)

