



**Universidad
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UDES



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Actividad PostContenido 1 - Unidad 1

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Programa de Ingeniería de Sistemas

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UNIDAD 1

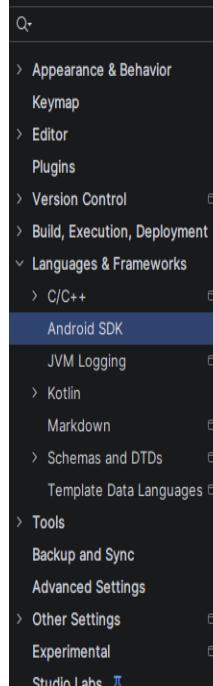
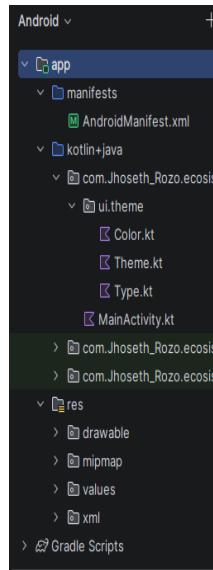
Ecosistema Móvil y Fundamentos Avanzados

Post-Contenido 1 — Laboratorio

Configuración de Entornos de Desarrollo



Tabla de Entregables

Item	Descripción	Formato																																												
Proyecto completo	Carpeta del proyecto Android Studio	Directorio																																												
Captura 1	SDK Manager con componentes instalados	 <p>Languages & Frameworks > Android SDK</p> <p>Manager for the Android SDK and Tools used by the IDE</p> <p>Android SDK Location: C:\Users\L&R\AppData\Local\Android\Sdk</p> <p>Edit Optimize disk</p> <p>SDK Platforms SDK Tools SDK Update Sites</p> <p>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.</p> <table border="1"> <thead> <tr> <th>Name</th> <th>API Level</th> <th>Revision</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>Android CinnamonBun Preview</td><td>CinnamonBun</td><td>1</td><td>Not installed</td></tr> <tr><td>Android CANARY Preview</td><td>CANARY</td><td>9</td><td>Not installed</td></tr> <tr><td>Android 16.0 ("Baklava")</td><td>36.1</td><td>1</td><td>Installed</td></tr> <tr><td>Android Baklava Preview</td><td>Baklava</td><td>1</td><td>Not installed</td></tr> <tr><td>Android 16.0 ("Baklava")</td><td>36.0</td><td>2</td><td>Not installed</td></tr> <tr><td>Android 16.0 ("Baklava")</td><td>36.0-ext18</td><td>1</td><td>Not installed</td></tr> <tr><td>Android 16.0 ("Baklava")</td><td>36.0-ext19</td><td>1</td><td>Not installed</td></tr> <tr><td>Android 15.0 ("VanillalceCream")</td><td>35</td><td>2</td><td>Not installed</td></tr> <tr><td>Android 15.0 ("VanillalceCream")</td><td>35-ext14</td><td>1</td><td>Not installed</td></tr> <tr><td>Android 15.0 ("VanillalceCream")</td><td>35-ext15</td><td>1</td><td>Not installed</td></tr> </tbody> </table> <p><input checked="" type="checkbox"/> Hide Obsolete Packages <input type="checkbox"/> Show Package</p>	Name	API Level	Revision	Status	Android CinnamonBun Preview	CinnamonBun	1	Not installed	Android CANARY Preview	CANARY	9	Not installed	Android 16.0 ("Baklava")	36.1	1	Installed	Android Baklava Preview	Baklava	1	Not installed	Android 16.0 ("Baklava")	36.0	2	Not installed	Android 16.0 ("Baklava")	36.0-ext18	1	Not installed	Android 16.0 ("Baklava")	36.0-ext19	1	Not installed	Android 15.0 ("VanillalceCream")	35	2	Not installed	Android 15.0 ("VanillalceCream")	35-ext14	1	Not installed	Android 15.0 ("VanillalceCream")	35-ext15	1	Not installed
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Captura 2	Estructura del proyecto en Android Studio	 <p>MainActivity.kt</p> <pre> 1 package com.Jhoseth_Rozo.ecosistemamovil 2 3 import android.os.Bundle 4 import androidx.activity.ComponentActivity 5 import androidx.activity.compose.setContent 6 import androidx.activity.enableEdgeToEdge 7 import androidx.compose.foundation.layout.fillMaxSize 8 import androidx.compose.foundation.layout.padding 9 import androidx.compose.material3.Scaffold 10 import androidx.compose.material3.Text 11 import androidx.compose.runtime.Composable 12 import androidx.compose.ui.Modifier 13 import androidx.compose.ui.tooling.preview.Preview 14 import com.Jhoseth_Rozo.ecosistemamovil.ui.theme.EcosistemaMovilTheme 15 16 class MainActivity : ComponentActivity() { 17 override fun onCreate(savedInstanceState: Bundle?) { 18 super.onCreate(savedInstanceState) 19 enableEdgeToEdge() 20 setContent {</pre>																																												



Captura 5

Logcat filtrado
con mensajes
del proyecto

```
el7a_API34 (emulator-5554) Android 14, API 34 | Logcat + | ECOLOGIA_APP
----- PROCESS ENDED (12075) for package com.Jhoseth_Rozo.ecosistemamovil -----
----- PROCESS STARTED (12186) for package com.Jhoseth_Rozo.ecosistemamovil
02-24 23:40:17.671 12186-12186 ECOLOGIA_APP com.Jhoseth_Rozo.ecosistemamovil W Procesando paradigma: Nativo
02-24 23:40:17.677 12186-12186 ECOLOGIA_APP com.Jhoseth_Rozo.ecosistemamovil W Procesando paradigma: Hibrido
02-24 23:40:17.681 12186-12186 ECOLOGIA_APP com.Jhoseth_Rozo.ecosistemamovil W Procesando paradigma: Multiplataforma
02-24 23:40:17.681 12186-12186 ECOLOGIA_APP com.Jhoseth_Rozo.ecosistemamovil E Error simulado en el paradigma: Multiplataforma
----- PROCESS ENDED (12186) for package com.Jhoseth_Rozo.ecosistemamovil -----
----- PROCESS STARTED (12279) for package com.Jhoseth_Rozo.ecosistemamovil -----
----- PROCESS ENDED (12279) for package com.Jhoseth_Rozo.ecosistemamovil -----
----- PROCESS STARTED (12352) for package com.Jhoseth_Rozo.ecosistemamovil -----
```

Captura 6

Debugger
detenido en
breakpoint con
variables

```
ID paradigmas.forEachIndexed { index, (nombre, tech, desc) -> paradigm
Log.w( tag = "ECOLOGIA_APP", msg = "Procesando paradigma: $nombre" )

Threads & Variables Console
Evaluate expression (Intro) or add a watch (Ctrl+Mayús+Intro)
joseph_Rozo > this = {MainActivity@25598} com.Jhoseth_Rozo.ecosistemamovil.MainActivity@8e8b85b
roid.app > savedInstanceState = null
roid.app > @ scrollView = {ScrollView@25599} "android.widget.ScrollView{80a8a09 VFED.V... ....I. 0,0-0,0}"
entation > layout = {LinearLayout@25600} "android.widget.LinearLayout{e81b40e V.E..... ....I. 0,0-0,0}"
ityThread > paradigmas = {ArrayList@25601} size = 3
yThread > 0 = {Triple@25687} (Nativo, Kotlin/Swift, Rendimiento maximo, acceso completo a APIs)
ndroid.ap > 1 = {Triple@25688} (Hibrido, Ionic/Capacitor, Tecnologias web en contenedor nativo)
Executor > 2 = {Triple@25689} (Multiplataforma, Flutter/React Native, Codigo compartido, rendimiento cercano a nativo)
```

README.md

Instrucciones
para
ejecutar
,

problem
as encontrados

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