



INSTITUTO TECNOLÓGICO DE ORIZABA



TEC. DE PROG. EMERGENTES PARA LA WEB

Práctica 03

UNIDAD 1

Manuel Panzi Utrera

9:00 – 10:00

Karyme Michelle Romero Ovando

21011037

Práctica 03 - Sensores de un dispositivo móvil

Expectativas

Identificar todos los sensores que nos proporciona un celular.

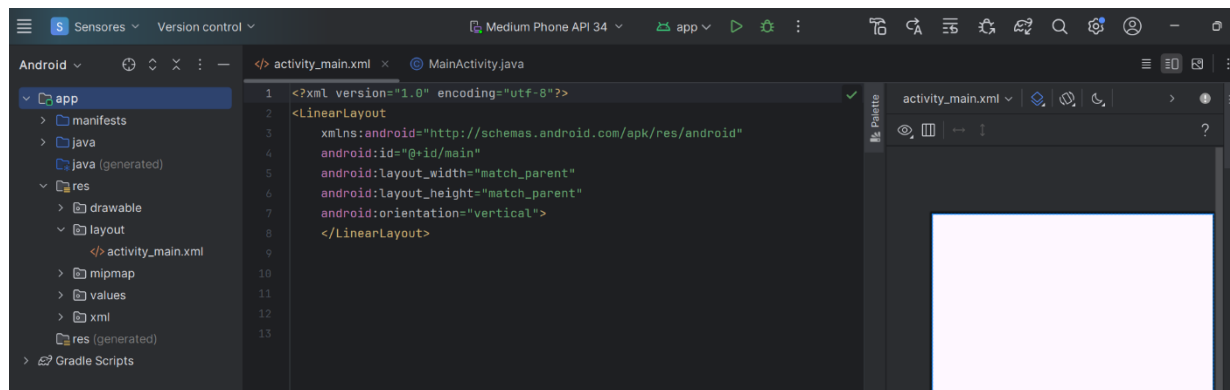
Competencias adquiridas al terminar la práctica

Conocer los sensores de tu dispositivo móvil.

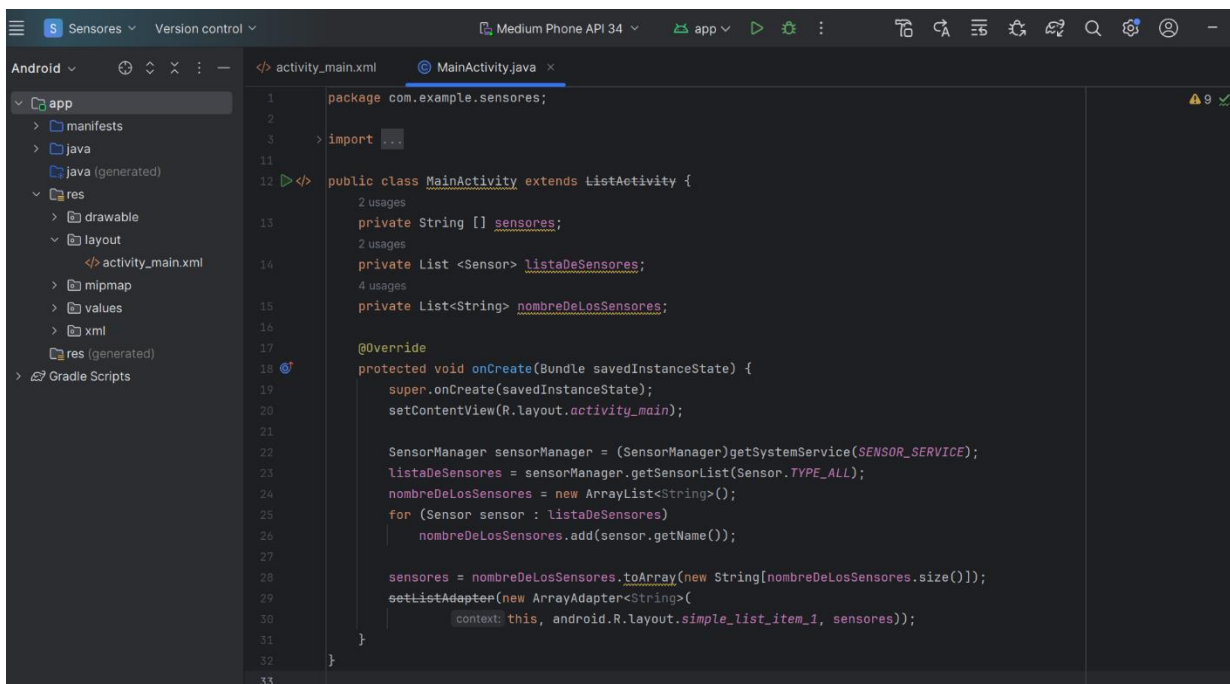
Planteamiento

Desarrollar una aplicación Android que al ser ejecutada nos muestre una lista de todos los sensores con los que cuenta el móvil.

activity_main




MainActivity



Resultado

Samsung Galaxy A54

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|--|--|---|--|
| <div>7:26 99%</div> <div></div> <div> ○ <</div> | <div>7:26 99%</div> <div>ISG6320 Grip sensor</div> <div>Grip Notifier Sensor</div> <div>LSM6DSOTR Accelerometer</div> <div>AK09918C Magnetometer</div> <div>LSM6DSOTR Gyroscope</div> <div>STK31610 Light</div> <div>AK09918C Magnetometer Uncalibrated</div> <div>LSM6DSOTR Gyroscope Uncalibrated</div> <div>Significant Motion</div> <div>Step Detector</div> <div>Step Counter</div> <div>Tilt Detector</div> <div>Pick Up Gesture</div> <div>Device Orientataion</div> <div>Interrupt Gyroscope</div> <div> ○ <</div> | <div>7:26 99%</div> <div>Scontext</div> <div>STK31610 Light CCT</div> <div>Call Gesture</div> <div>Wake Up Motion</div> <div>STK31610 Auto Brightness Sensor</div> <div>VDIS Gyroscope</div> <div>Flip Cover Detector</div> <div>LSM6DSOTR Accelerometer Uncalibrated</div> <div>SuperSteady Gyroscope</div> <div>Device Orientataion Wake Up</div> <div>SBM</div> <div>Light Seamless Sensor</div> <div>Hover Proximity</div> <div>Touch Pocket</div> <div>Samsung Hall IC</div> <div> ○ <</div> | <div>7:26 99%</div> <div>LSM6DSOTR Accelerometer Uncalibrated</div> <div>SuperSteady Gyroscope</div> <div>Device Orientataion Wake Up</div> <div>SBM</div> <div>Light Seamless Sensor</div> <div>Hover Proximity</div> <div>Touch Pocket</div> <div>Samsung Hall IC</div> <div>Motion Sensor</div> <div>Ear Hover Proximity Sensor (ProToS)</div> <div>Samsung Game Rotation Vector Sensor</div> <div>Samsung Gravity Sensor</div> <div>Samsung Linear Acceleration Sensor</div> <div>Samsung Rotation Vector Sensor</div> <div>Samsung Orientation Sensor</div> <div> ○ <</div> |
|--|--|---|--|

Samsung Galaxy A32

| | | |
|---|---|---|
| <div>12:30 50%</div> <div>LSM6DSL Accelerometer</div> <div>AK09918C Magnetometer</div> <div>LSM6DSL Gyroscope</div> <div>STK31610 Light</div> <div>AK09918C Magnetometer Uncalibrated</div> <div>LSM6DSL Gyroscope Uncalibrated</div> <div>Significant Motion</div> <div>Step Detector</div> <div>Step Counter</div> <div>Tilt Detector</div> <div>Pick Up Gesture</div> <div>Device Orientataion</div> <div>Interrupt Gyroscope</div> <div>Scontext</div> <div>STK31610 Light CCT</div> <div>Call Gesture</div> <div>Wake Up Motion</div> <div>STK31610 Auto Brightness Sensor</div> <div> ○ <</div> | <div>12:30 50%</div> <div>Pro Tos Motion</div> <div>Flip Cover Detector</div> <div>Device Orientataion Wake Up</div> <div>SBM</div> <div>Hover Proximity</div> <div>Touch Pocket</div> <div>Samsung Hall IC</div> <div>ISG5320A Grip sensor</div> <div>ISG5320A_SUB Grip sensor for sub</div> <div>Grip Notifier Sensor</div> <div>Motion Sensor</div> <div>Ear Hover Proximity Sensor (ProToS)</div> <div>Camera Light Sensor</div> <div>Samsung Game Rotation Vector Sensor</div> <div>Samsung Gravity Sensor</div> <div>Samsung Linear Acceleration Sensor</div> <div>Samsung Rotation Vector Sensor</div> <div>Samsung Orientation Sensor</div> <div> ○ <</div> | <div>12:30 50%</div> <div>VDIS Gyroscope</div> <div>Pro Tos Motion</div> <div>Flip Cover Detector</div> <div>Device Orientataion Wake Up</div> <div>SBM</div> <div>Hover Proximity</div> <div>Touch Pocket</div> <div>Samsung Hall IC</div> <div>ISG5320A Grip sensor</div> <div>ISG5320A_SUB Grip sensor for sub</div> <div>Grip Notifier Sensor</div> <div>Motion Sensor</div> <div>Ear Hover Proximity Sensor (ProToS)</div> <div>Camera Light Sensor</div> <div>Samsung Game Rotation Vector Sensor</div> <div>Samsung Gravity Sensor</div> <div>Samsung Linear Acceleration Sensor</div> <div>Samsung Rotation Vector Sensor</div> <div> ○ <</div> |
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Huawei Y9 Prime

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| Goldfish 3-axis Accelerometer |
| Goldfish 3-axis Gyroscope |
| Goldfish 3-axis Magnetic field sensor |
| Goldfish Orientation sensor |
| Goldfish Ambient Temperature sensor |
| Goldfish Proximity sensor |
| Goldfish Light sensor |
| Goldfish Pressure sensor |
| Goldfish Humidity sensor |
| Goldfish 3-axis Magnetic field sensor (uncalibrated) |
| Goldfish 3-axis Gyroscope (uncalibrated) |
| Goldfish 3-axis Accelerometer Uncalibrated |
| Game Rotation Vector Sensor |
| GeoMag Rotation Vector Sensor |
| Gravity Sensor |
| Linear Acceleration Sensor |
| Rotation Vector Sensor |
| Orientation Sensor |

Oppo Reno 11 5g

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|----------------------|
| bmi2xy ACCELEROMETER |
| mmc5603 MAGNETOMETER |
| bmi2xy GYROSCOPE |
| stk32600 PROXIMITY |
| UNCALL_MAG |
| UNCALL_GYRO |
| SIGNIFICANT_MOTION |
| STEP_DETECTOR |
| STEP_COUNTER |
| WAKE_GESTURE |
| DEVICE_ORIENTATION |
| STATIONARY_DETECT |
| UNCALL_ACC |
| OIS |
| stk32600 LIGHT |
| RAW_MAG |
| ai_shutter |
| STEP_DETECTOR_WAKEUP |

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| OPLUS Fusion Light Sensor |
| OPLUS Side Panel Fusion Light Sensor |
| PICKUP_DETECT |
| LUX_AOD |
| PEDO_MINUTE |
| OPLUS_ACTIVITY_RECOGNITION |
| ELEVATOR_DETECT |
| LAY_DETECT |
| Game Rotation Vector Sensor |
| GeoMag Rotation Vector Sensor |
| Gravity Sensor |
| Linear Acceleration Sensor |
| Rotation Vector Sensor |
| Orientation Sensor |

Redmi note 11s

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|-----------------------------|
| Touch Sensor |
| Elliptic Proximity |
| ACCELEROMETER |
| MAGNETOMETER |
| ORIENTATION |
| GYROSCOPE |
| LIGHT |
| GRAVITY |
| LINEARACCEL |
| ROTATION_VECTOR |
| UNCALL_MAG |
| GAME_ROTATION_VECTOR |
| UNCALL_GYRO |
| SIGNIFICANT_MOTION |
| STEP_DETECTOR |
| STEP_COUNTER |
| GEOMAGNETIC_ROTATION_VECTOR |

| |
|-----------------------------|
| LIGHT |
| GRAVITY |
| LINEARACCEL |
| ROTATION_VECTOR |
| UNCALL_MAG |
| GAME_ROTATION_VECTOR |
| UNCALL_GYRO |
| SIGNIFICANT_MOTION |
| STEP_DETECTOR |
| STEP_COUNTER |
| GEOMAGNETIC_ROTATION_VECTOR |
| TILT_DETECTOR |
| pickup Wakeup |
| DEVICE_ORIENTATION |
| UNCALL_ACC |
| SAR |
| STEP_DETECTOR_WAKEUP |