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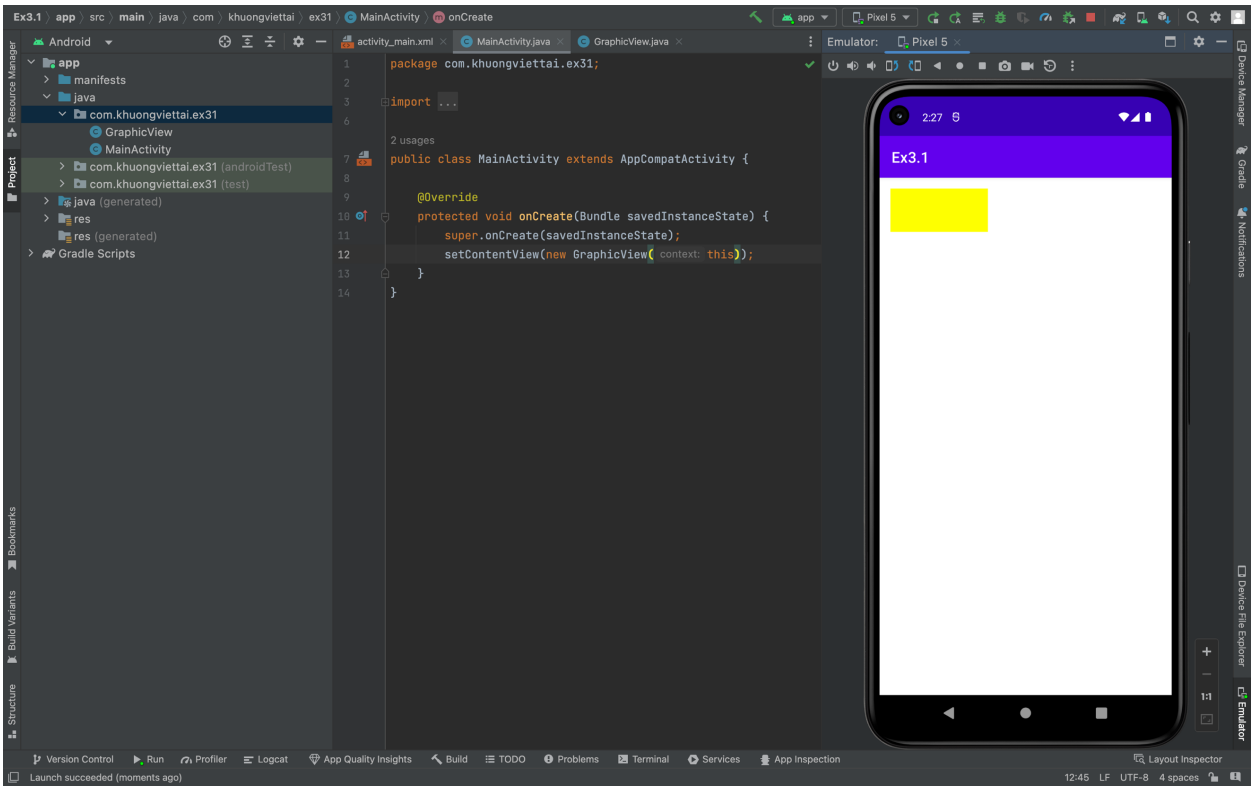
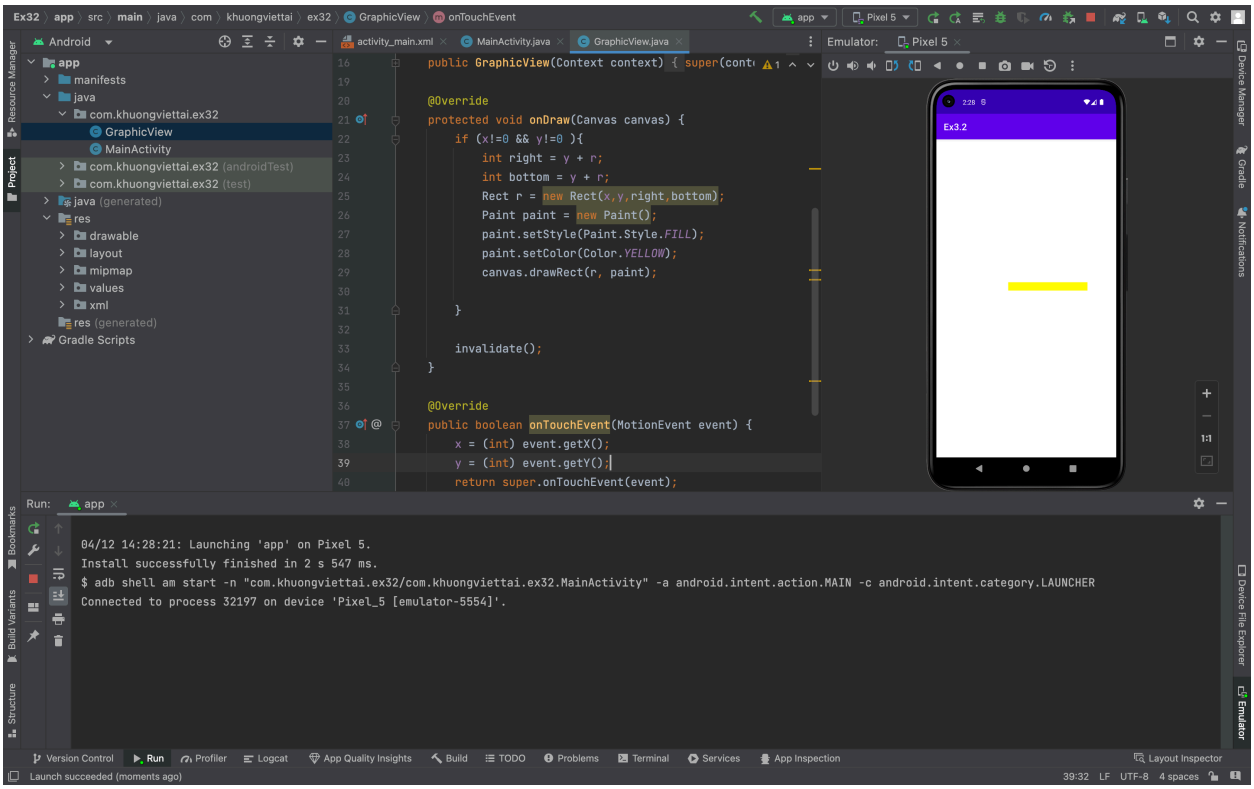
Github: https://github.com/khuongviettai/Practice-CS4153.N21.CTTT

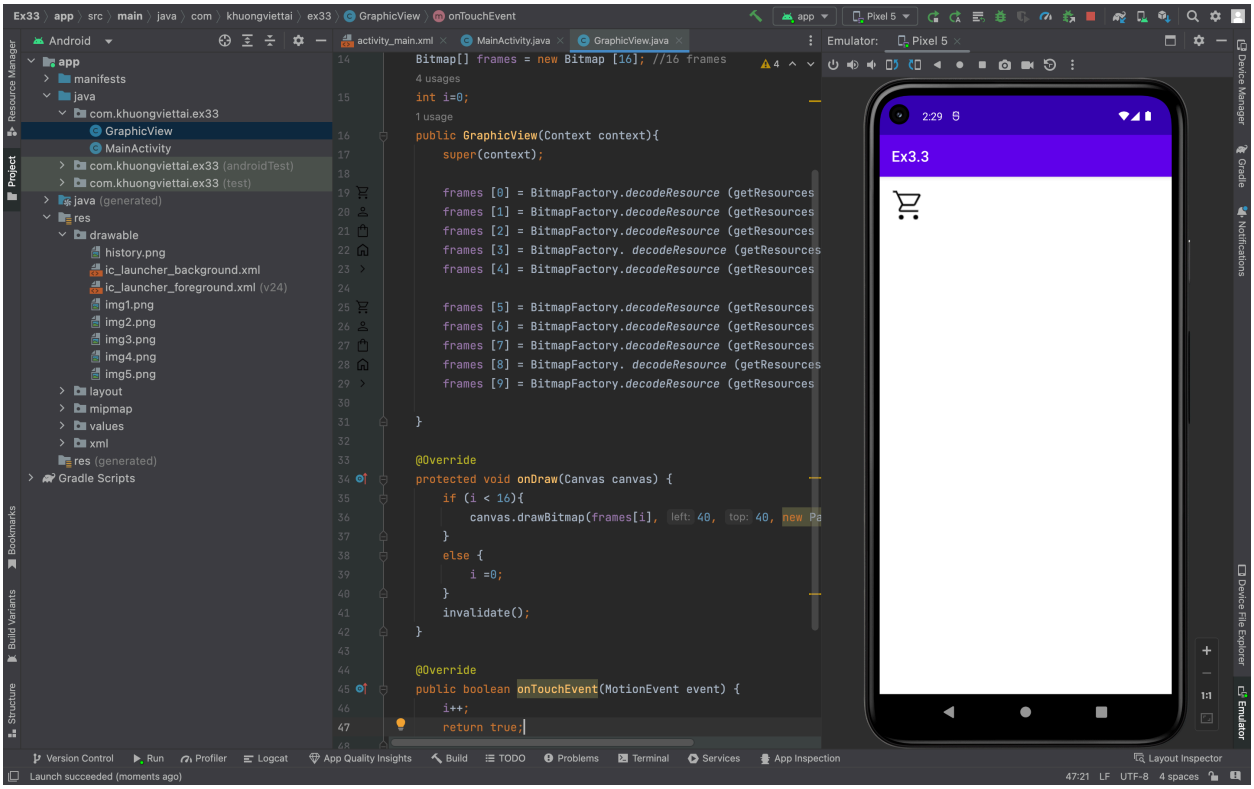
Ex1



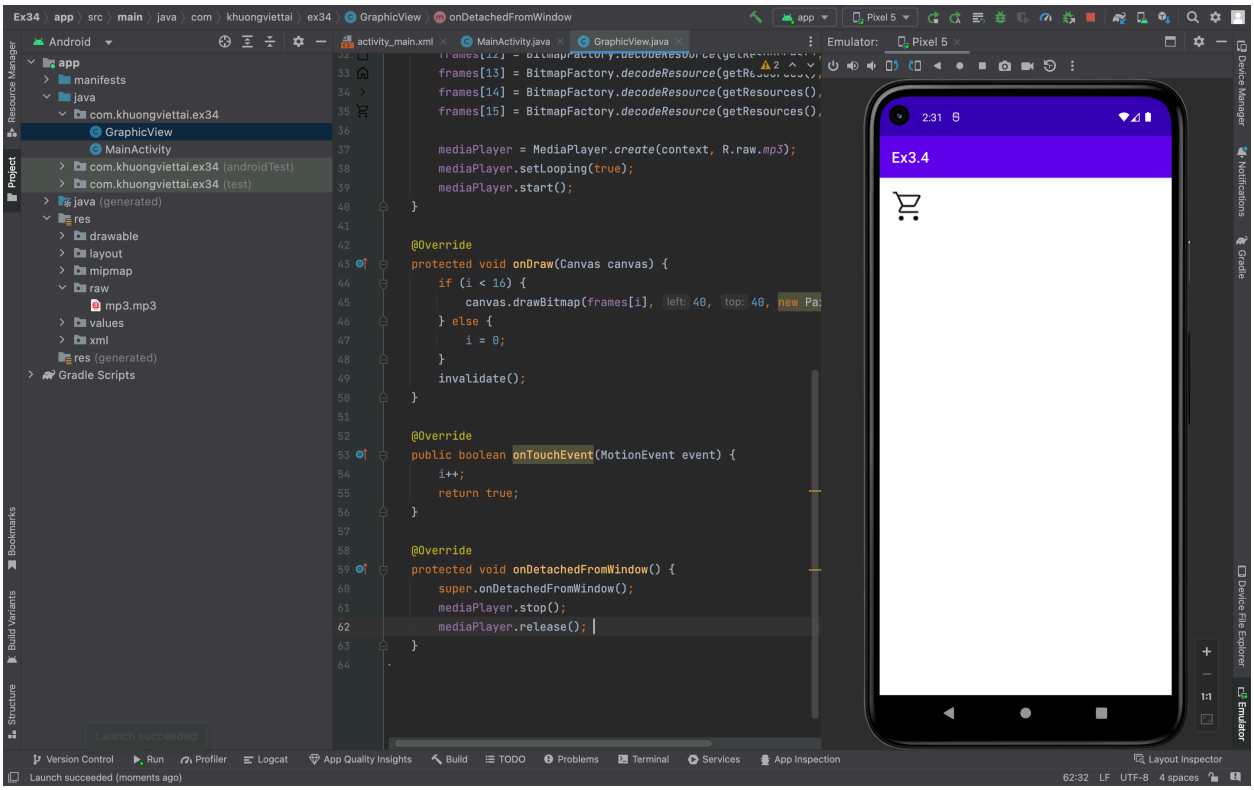
Ex2


Ex32 app src main java com khuongviettai ex32 GraphicView onTouchEvent
Android
app
manifests
java
com.khuongviettai.ex32
GraphicView
MainActivity
com.khuongviettai.ex32 (androidTest)
com.khuongviettai.ex32 (test)
java (generated)
res
drawable
layout
mipmap
values
xml
res (generated)
Gradle Scripts
activity_main.xml
MainActivity.java
GraphicView.java
public GraphicView(Context context) { super(cont
@Override
protected void onDraw(Canvas canvas) {
if (x!=0 && y!=0){
int right = y + r;
int bottom = y + r;
Rect r = new Rect(x,y,right,bottom);
Paint paint = new Paint();
paint.setStyle(Paint.Style.FILL);
paint.setColor(Color.YELLOW);
canvas.drawRect(r, paint);
}
invalidate();
}
@Override
public boolean onTouchEvent(MotionEvent event) {
x = (int) event.getX();
y = (int) event.getY();
return super.onTouchEvent(event);
Emulator: Pixel 5
Ex3.2
Run: app
04/12 14:28:21: Launching 'app' on Pixel 5.
Install successfully finished in 2 s 547 ms.
$ adb shell am start -n "com.khuongviettai.ex32/com.khuongviettai.ex32.MainActivity" -a android.intent.action.MAIN -c android.intent.category.LAUNCHER
Connected to process 32197 on device 'Pixel_5 [emulator-5554]'.
Version Control
Run
Profiler
Logcat
App Quality Insights
Build
TODO
Problems
Terminal
Services
App Inspection
Layout Inspector
Launch succeeded (moments ago)

Ex3:


Ex33 app src main java com khuongviettai ex33 GraphicView onTouchEvent
Android
app
manifests
java
com.khuongviettai.ex33
GraphicView
MainActivity
com.khuongviettai.ex33 (androidTest)
com.khuongviettai.ex33 (test)
java (generated)
res
drawable
history.png
ic_launcher_background.xml
ic_launcher_foreground.xml (v24)
img1.png
img2.png
img3.png
img4.png
img5.png
layout
mipmap
values
xml
res (generated)
Gradle Scripts
activity_main.xml
MainActivity.java
GraphicView.java
Bitmap[] frames = new Bitmap [16]; //16 frames
4 usages
int i=0;
1 usage
public GraphicView(Context context){
super(context);
frames [0] = BitmapFactory.decodeResource (getResources
frames [1] = BitmapFactory.decodeResource (getResources
frames [2] = BitmapFactory.decodeResource (getResources
frames [3] = BitmapFactory. decodeResource (getResources
frames [4] = BitmapFactory.decodeResource (getResources
frames [5] = BitmapFactory.decodeResource (getResources
frames [6] = BitmapFactory.decodeResource (getResources
frames [7] = BitmapFactory.decodeResource (getResources
frames [8] = BitmapFactory. decodeResource (getResources
frames [9] = BitmapFactory.decodeResource (getResources
}
@Override
protected void onDraw(Canvas canvas) {
if (i < 16){
canvas.drawBitmap(frames[i], left: 40, top: 40, new Pa
}
else {
i =0;
}
invalidate();
}
@Override
public boolean onTouchEvent(MotionEvent event) {
i++;
return true;
Emulator: Pixel 5
2:29
Ex3.3
Version Control
Run
Profiler
Logcat
App Quality Insights
Build
TODO
Problems
Terminal
Services
App Inspection
Layout Inspector
Launch succeeded (moments ago)

Ex4:


Ex34 app src main java com khuongviettai ex34 GraphicView onDetachedFromWindow
Android
app
manifests
java
com.khuongviettai.ex34
GraphicView
MainActivity
com.khuongviettai.ex34 (androidTest)
com.khuongviettai.ex34 (test)
java (generated)
res
drawable
layout
mipmap
raw
mp3.mp3
values
xml
res (generated)
Gradle Scripts
activity_main.xml
MainActivity.java
GraphicView.java
frames[13] = BitmapFactory.decodeResource(getResources(),
frames[14] = BitmapFactory.decodeResource(getResources(),
frames[15] = BitmapFactory.decodeResource(getResources(),
mediaPlayer = MediaPlayer.create(context, R.raw.mp3);
mediaPlayer.setLooping(true);
mediaPlayer.start();
}
@Override
protected void onDraw(Canvas canvas) {
if (i < 16) {
canvas.drawBitmap(frames[i], left: 40, top: 40, new Pa
} else {
i = 0;
}
invalidate();
}
@Override
public boolean onTouchEvent(MotionEvent event) {
i++;
return true;
}
@Override
protected void onDetachedFromWindow() {
super.onDetachedFromWindow();
mediaPlayer.stop();
mediaPlayer.release();
}
Emulator: Pixel 5
2:31
Ex3.4
Version Control
Run
Profiler
Logcat
App Quality Insights
Build
TODO
Problems
Terminal
Services
App Inspection
Layout Inspector
Launch succeeded (moments ago)
62:32 LF UTF-8 4 spaces