· OKHTIP o gson OJSON · Background Processing.

# Background Processing

- O Main thread (Linux process)
- · Handles Ul
- o Long testes on man thread slow down the app, should be passed to background thread.

Examples

-> Network access

-> Bitmap processing.

-> dutabase querres

otherwise

Application Not responding

### Complication.

Once done running tasks on background thread, you cannot update UI from background!

#### Solution.

Runnables. => Thread Scafe

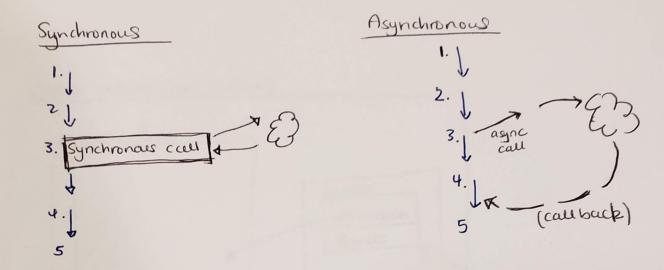
\* What is thread safe (CSG-213)

\* Ensure that only one (mainthread)

handles the UI changes.

Android Processes Mainthread Buckground throad do some procossing Bring back updates to main throad

## Asynchronous / synchronous What is the difference &



## Solution

A Async Task

> perform async caus

I no need to handte threads on your own

### Need 3 parameters

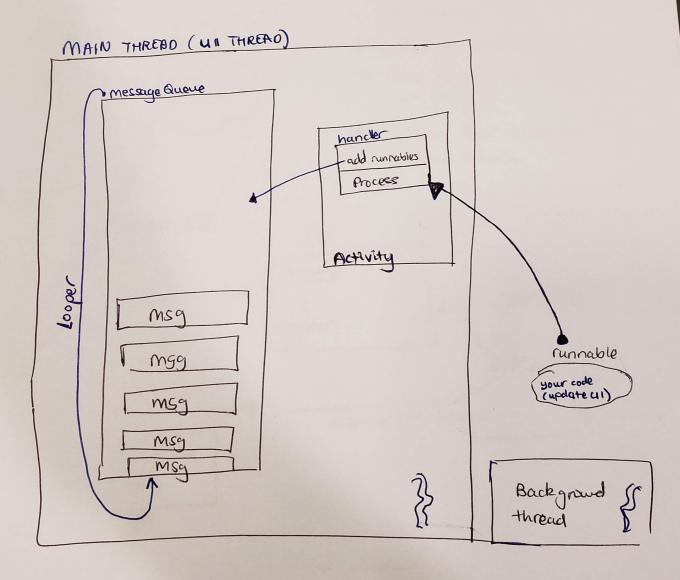
- -> Params
- -> Progress
- -> Resent

#### nothods

- -> On Pre-Executer)
- -> do In Background ()
- -> On Progress Update ()
  - -> On Post Execute ().

\* must be subclassed

\* To mark unused type, use (void)



## OkHetp

- otttp client
- · make network calls
- · Third party Square

Steps

(Interwebs:)

- 1. Create a Request and add the relovant parameters
- 2. Create an oktill p lient
- (3). Pass request to drent and call execute.
- 4. Obtain the result in Response's body.

Request
url
hearder...
etc

Response
body

Request

Url
hearder...
etc

Response
body