

# Come si creano le app Android

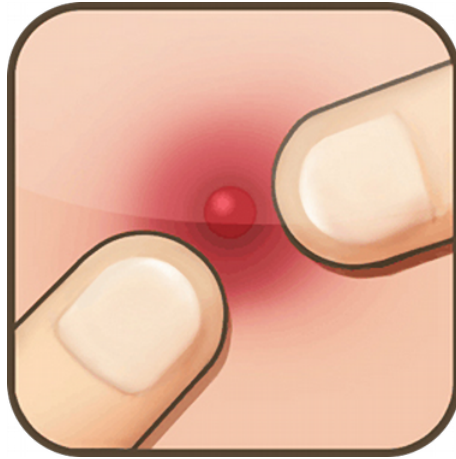


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# C'è un'app per tutto



Tofu hunter



Pimple popper



Places I've  
pooped

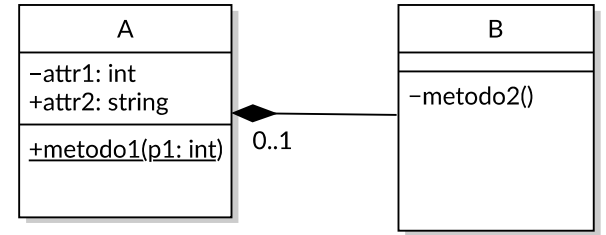
# Strumenti utilizzati



Android Studio



Java



Paradigma a  
oggetti

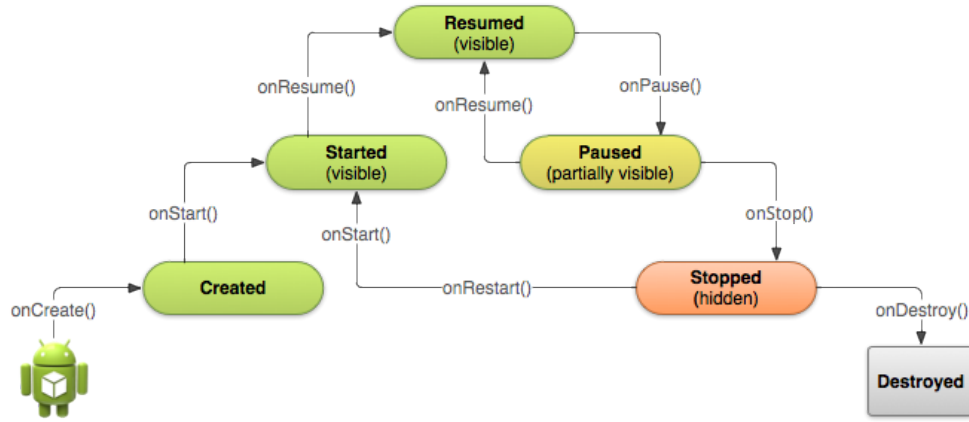
# Programmazione a oggetti

Tutto è un oggetto

Proprietà → attributi

Metodi → comportamenti





# Activity

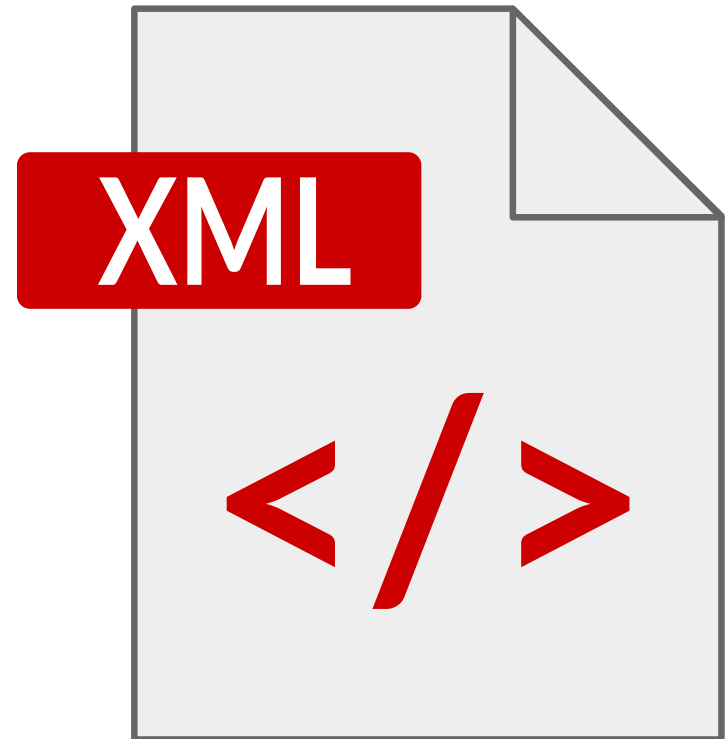
«La vostra activity sarà distrutta e ricreata ogni volta che l'utente ruota lo schermo [perché] potrebbe aver bisogno di caricare risorse alternative (ad esempio il layout).»

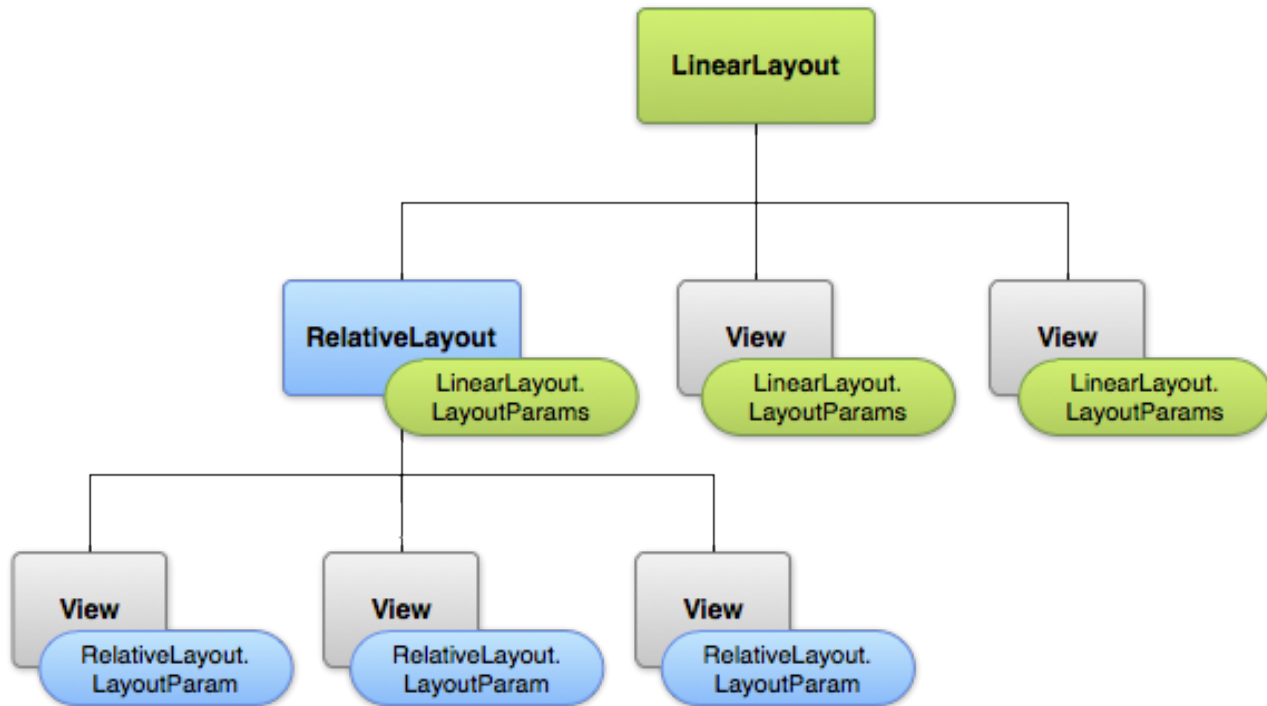
## **Questione di context**

# Manifest

Lista delle activity

Permessi richiesti

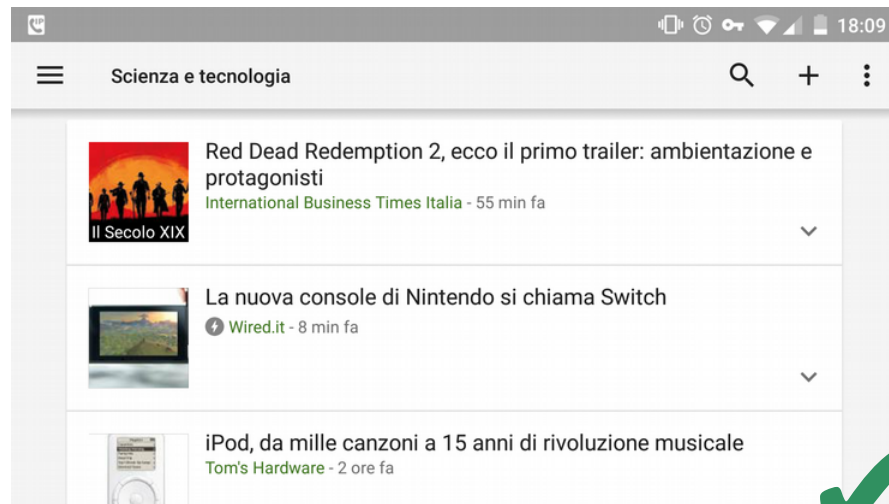
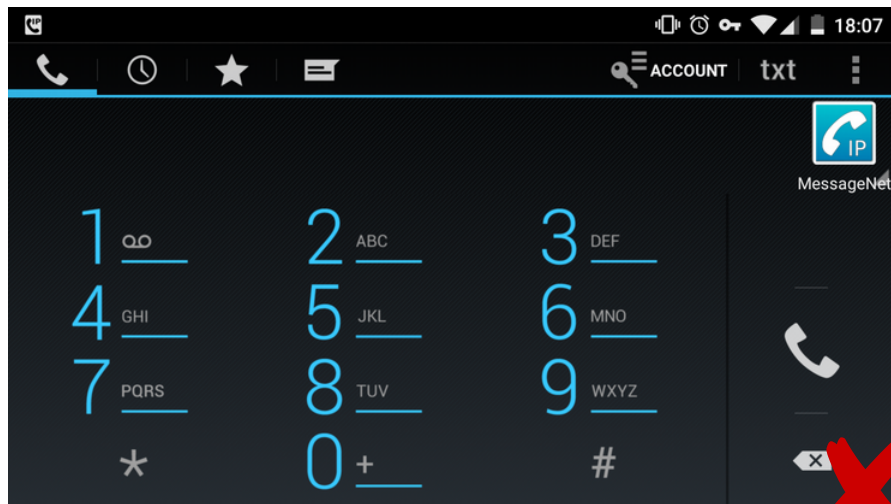




# Layout



# Material design

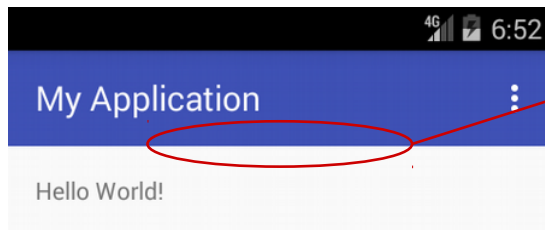


material.google.com

# Google Support Library

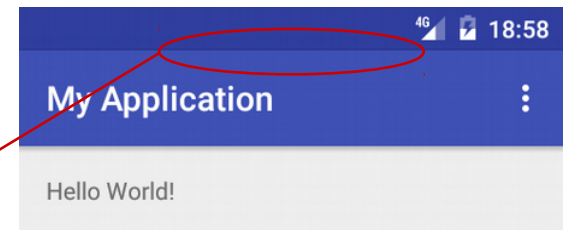
90% del lavoro

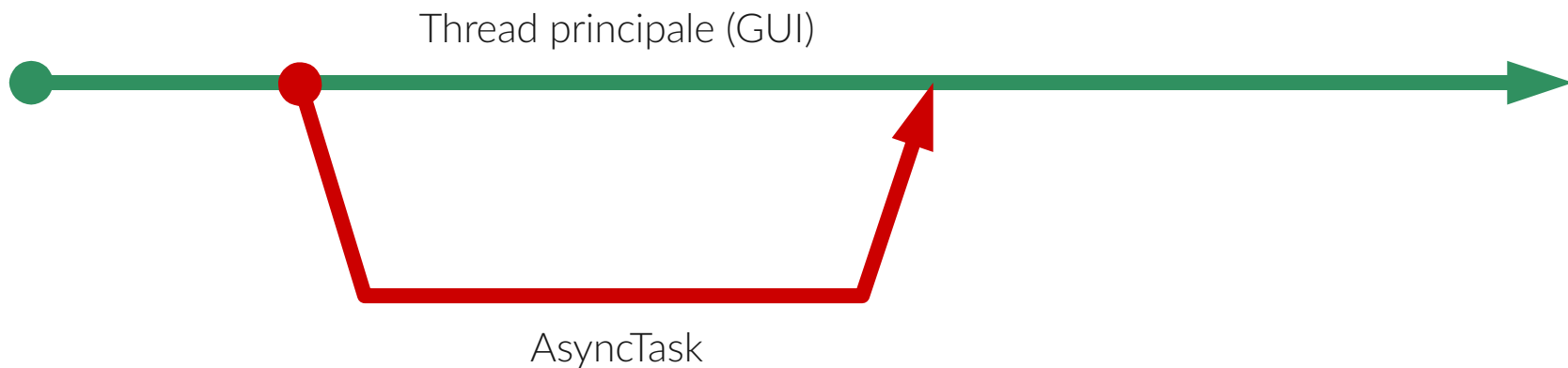
Fare comunque attenzione ad alcuni dettagli



API 19: ombra sotto mancante

API 22: ombra da rimuovere





# AsyncTask per il networking

# Drawable

Preferire le immagini vettoriali

Si possono sovrascrivere a seconda dell'API

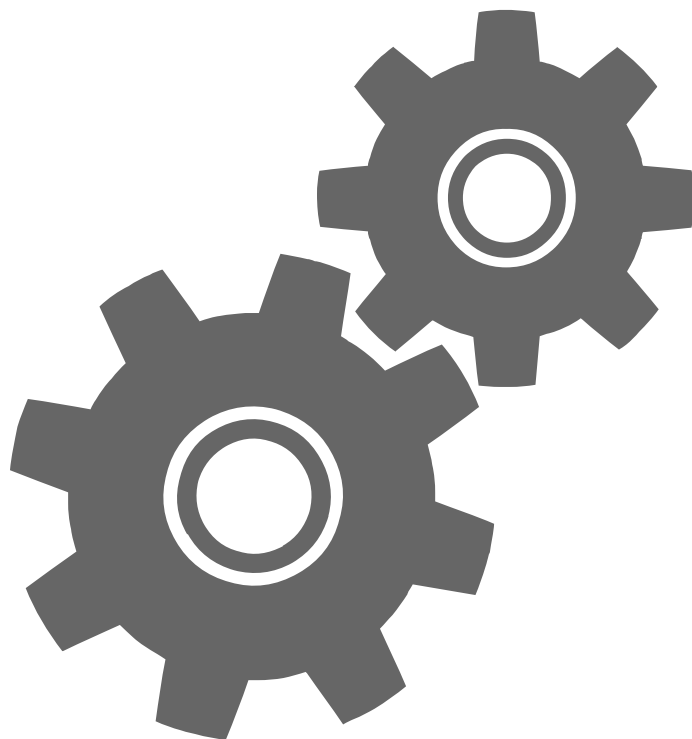
Le icone sono “mipmap” a varie risoluzioni

# Librerie esterne

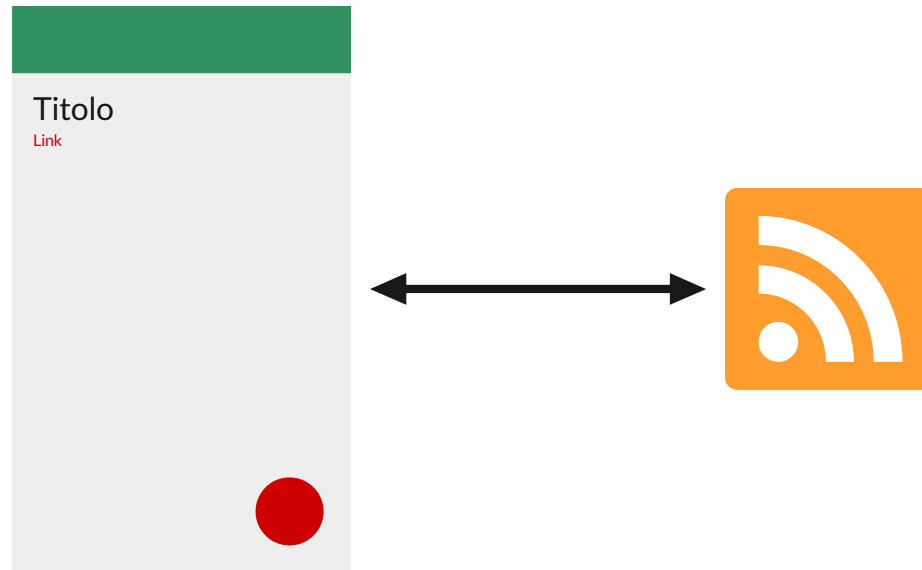
Ampia scelta

Moltissime open source

Rispettare le licenze!

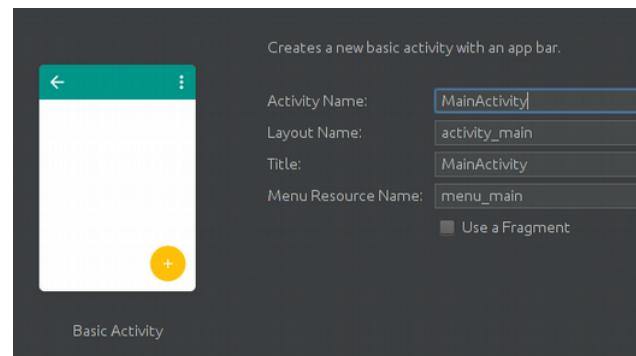
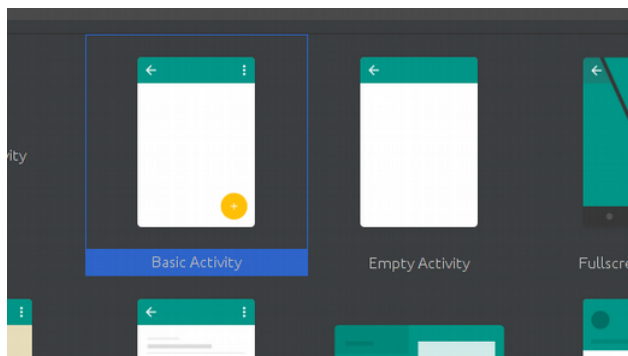
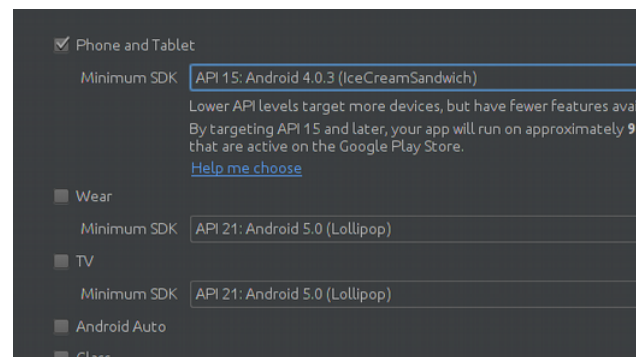
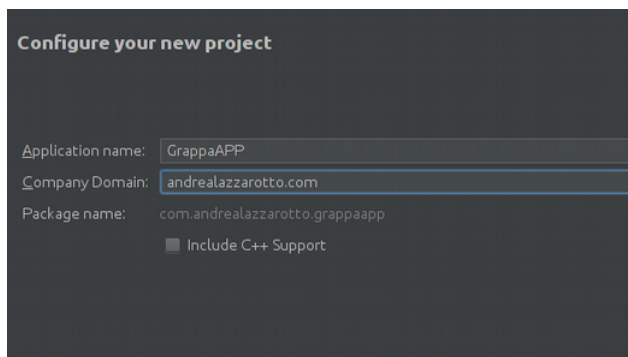


# Esempio: GrappaAPP

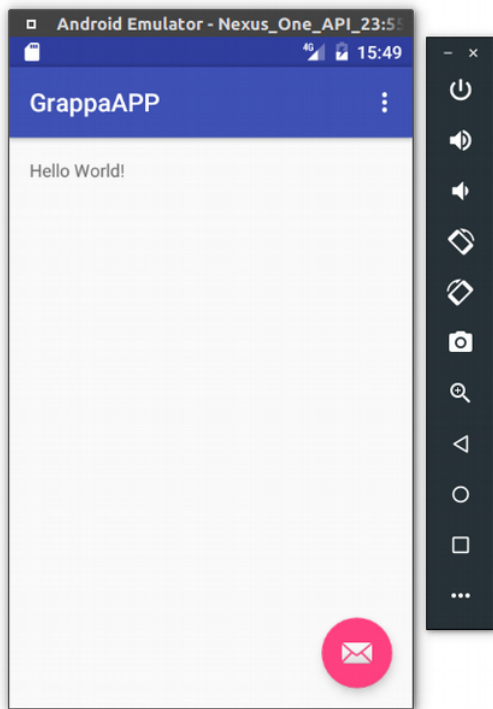


[lazza.me/GrappaAPP](http://lazza.me/GrappaAPP)

# Creazione del progetto



# Prima esecuzione



Ombre barra superiore

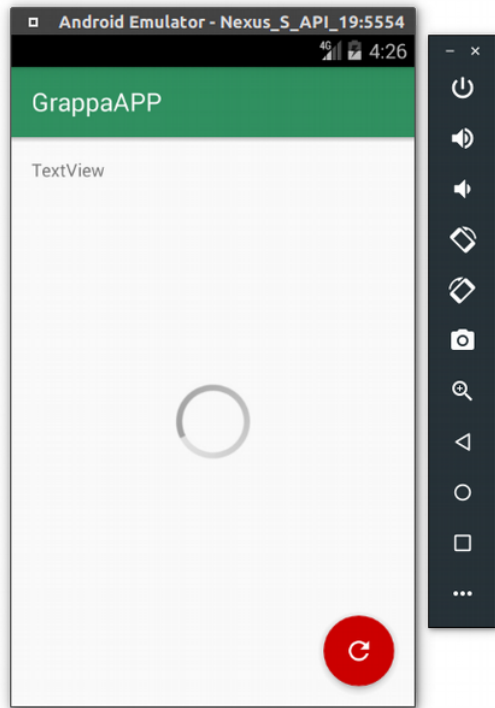
Colori app

Icona bottone

New → Vector asset → Material Icon



# Seconda esecuzione

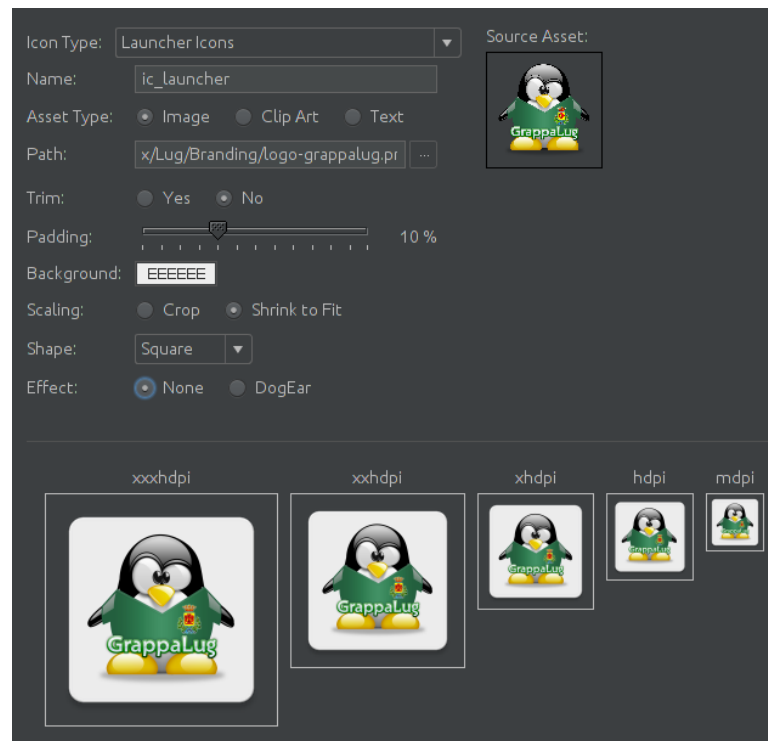
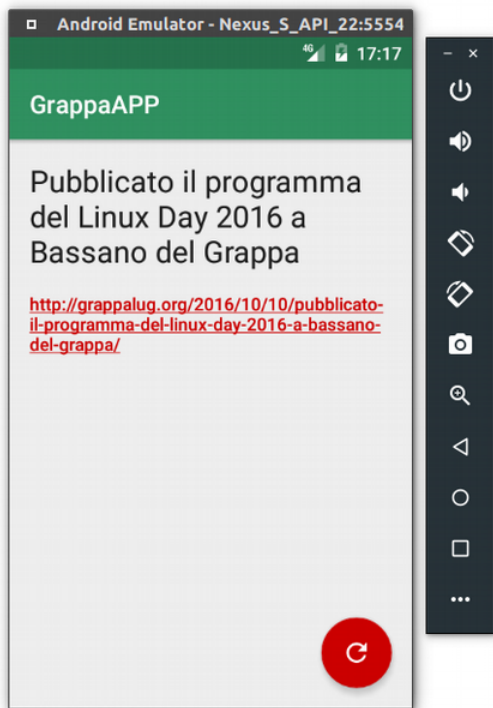


Codice caricamento

Gestione *instance state*

Funzionalità bottone

# Risultato



# Approfondimenti

- [1] Building Your First App. [lazza.me/2dt65Vv](https://lazza.me/2dt65Vv)
- [2] Writing your first Android app – everything you need to know. [lazza.me/2e77v5M](https://lazza.me/2e77v5M)
- [3] Free: All-About-Android Coding Bundle, corso online gratuito. [lazza.me/2enr2AJ](https://lazza.me/2enr2AJ)