



Android exercise (Twitter)

🏗 Setup

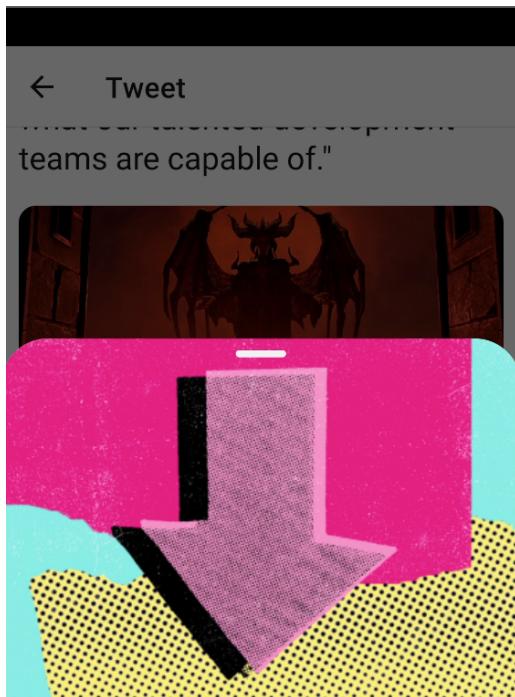
1. Download and install Genymotion Android Emulator from [here](#).
 - You might be required to install [VirtualBox](#).
 - Genymotion built-in ADB is located in:
 - *Windows:* `C:\Program Files\Genymobile\Genymotion\tools`
 - *macOS:* `/Applications/Genymotion.app/Contents/MacOS/tools/`
 - *Linux:* `$HOME/genymotion/tools` or `/opt/genymotion/tools`
2. Create a Galaxy S8 image in Genymotion (you can use the default configuration)
3. Launch the virtual device
4. Download and install Twitter version [9.61.0-release](#), and log in with these credentials:

| username | password |
|-------------------------------|----------|
| appoklahoma+twitter@gmail.com | d8yk6n5m |

Tasks

In this version, some users receive an alternative variation - a "downvote" button for tweets.

This is an
A/B Test.



Introducing Reply Downvotes



Select to downvote

See a reply that isn't contributing to the conversation? Let us know by downvoting.



Downvotes are private

Your votes aren't public and won't be shared with the Tweet author or anyone else.

Tweet

pcgamer.com
Diablo 4 is Blizzard's fastest-selling game ever, but Blizzard won't say how much it's sold

19:39 · 06 Jun 23

12 Retweets 6 Quote Tweets 158 Likes



NORKIE @norkietiger · 1d

Replies to @pcgamer

And overwatch is a prime example of the worst decisions that can be made to a video game by the team behind it. Blizzard is 50/50 with me rn, diablo is outstanding and amazing but NOTHING can forgive the collective disastrous dumpster fire that is overwatch.



renu mihai @MihaiRenu · 1d

Replies to @pcgamer

yeah, lvl 100 in few days, from over 1 month for daily xp farming to reach max lvl, it turned to few days of farming, yeahhhh right "an outstanding example of what our talented development teams are capable of"



Tweet your reply



1. Research the Twitter app to enable/disable this feature at will.
 - Attach documentation of the research process and any relevant code.
2. Can you find other features like these?
 - Attach the names of the other A/B tests + images of the different variants.

⭐ Bonus

Develop a pythonic infrastructure that allows to enable/disable these features dynamically.

Example for API:

```
twitter_abtest_manager = TwitterABTestManager("<DEVICE_ID>")  
twitter_abtest_manager.set_config(  
    {  
        "<TEST_KEY_1>": "<TEST_VALUE_1>", # str or other types  
        "<TEST_KEY_2>": "<TEST_VALUE_2>"  
    })  
twitter_abtest_manager.start() # now tests can change
```

🛠 Tools

- Frida
 - Check [this](#) out, and also [this](#) and [this](#)

- JADX

Good Luck! 🤞🍀