



UROP Checkpoint Presentation

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by Rini Banerjee

All code available on:
<https://github.com/rbanerjee20/urop.git>

Progress so far



Problem 1.1

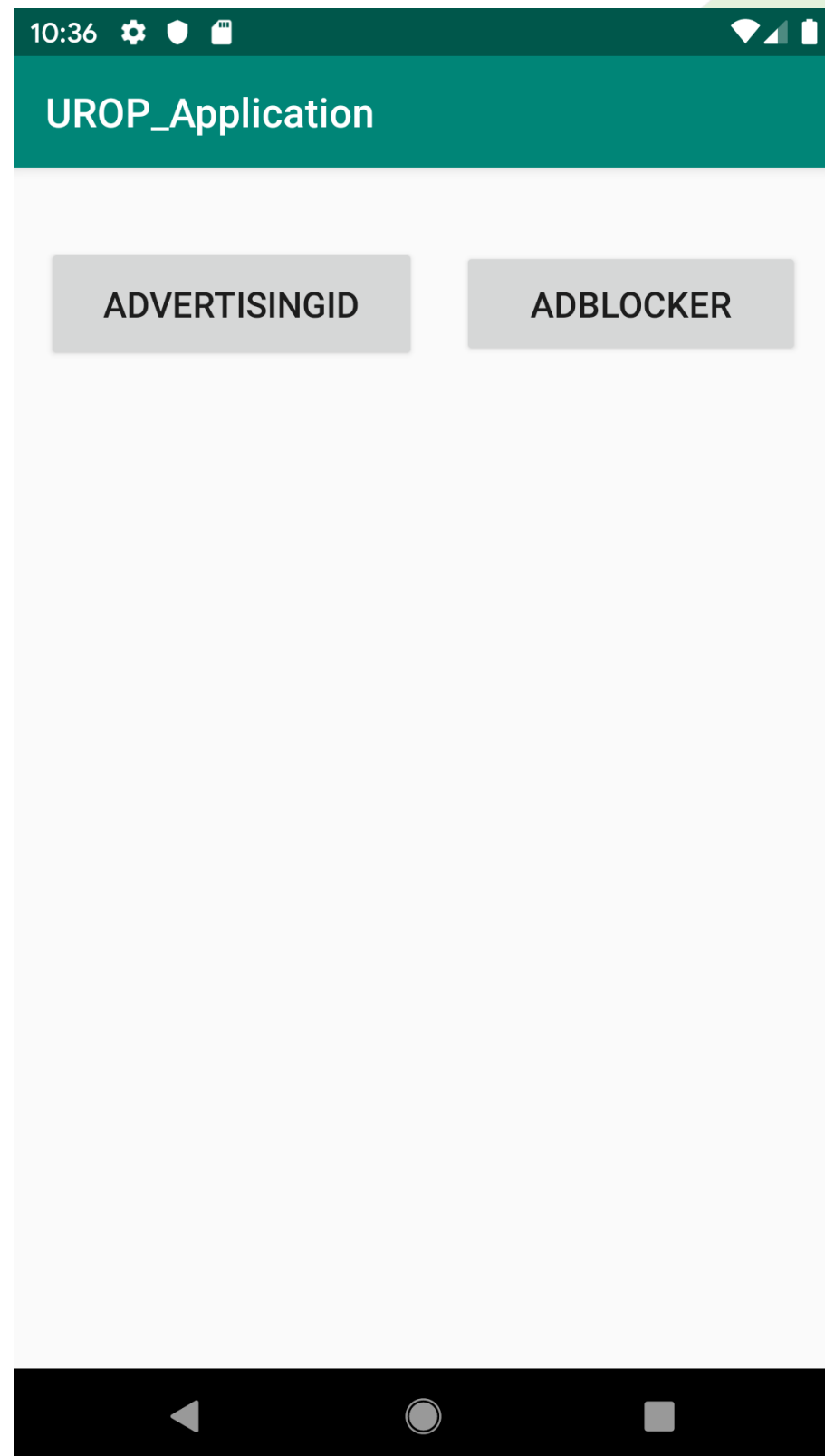
- I now have a program which gets the AdvertisingID and displays it as a toast when the relevant button on the main screen is tapped
- My program also checks if Limit Ad Tracking has been enabled by the user

Progress so far (continued)

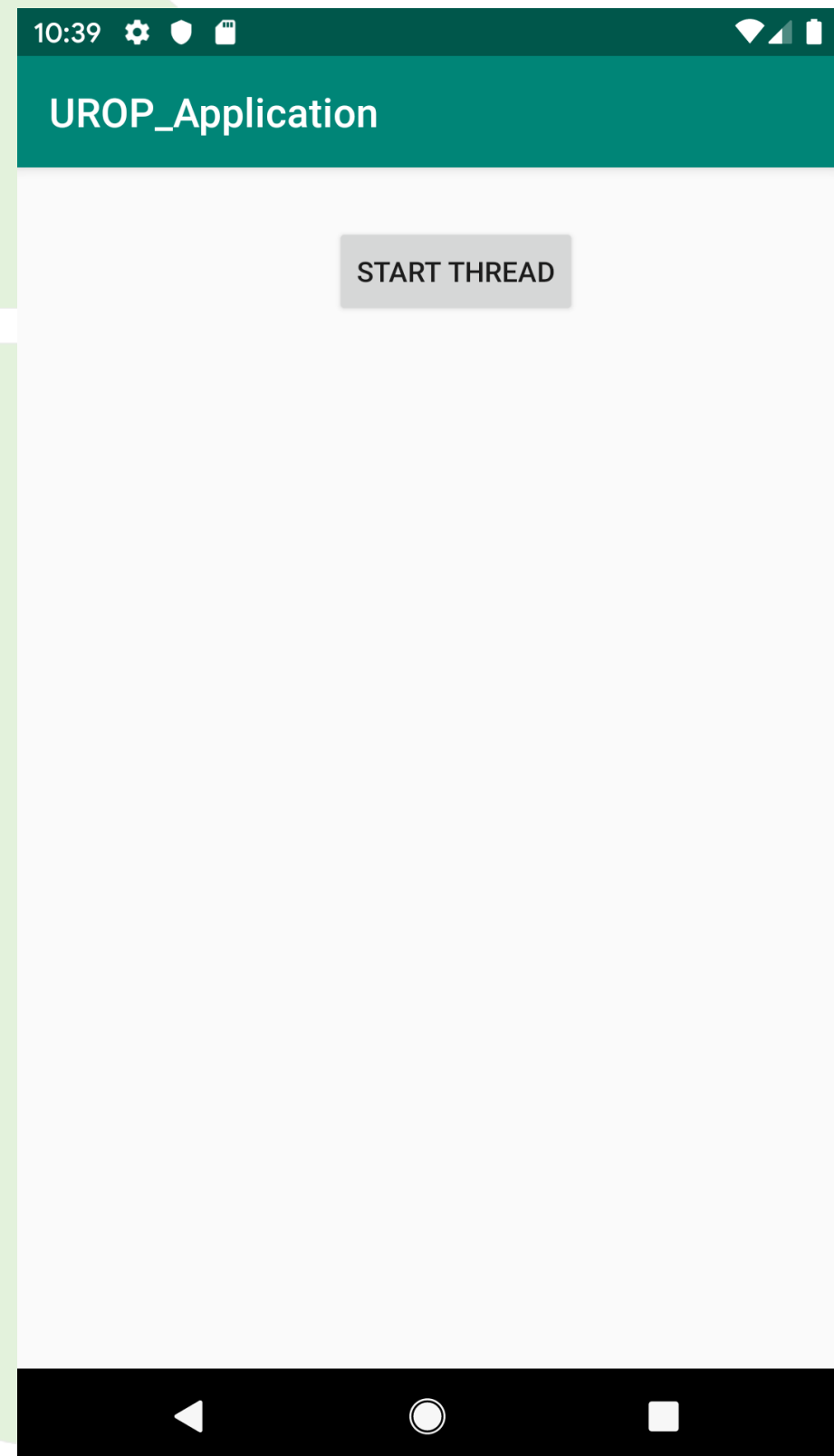
Problem 1.5

- I moved onto Problem 1.5 as I was not sure how to approach problems 1.2 to 1.4
- My program can detect if the user has one particular adblocker app downloaded (**Free Adblocker Browser - Adblock & Popup Blocker**) with the id *com.hsv.freeadblockerbrowser*

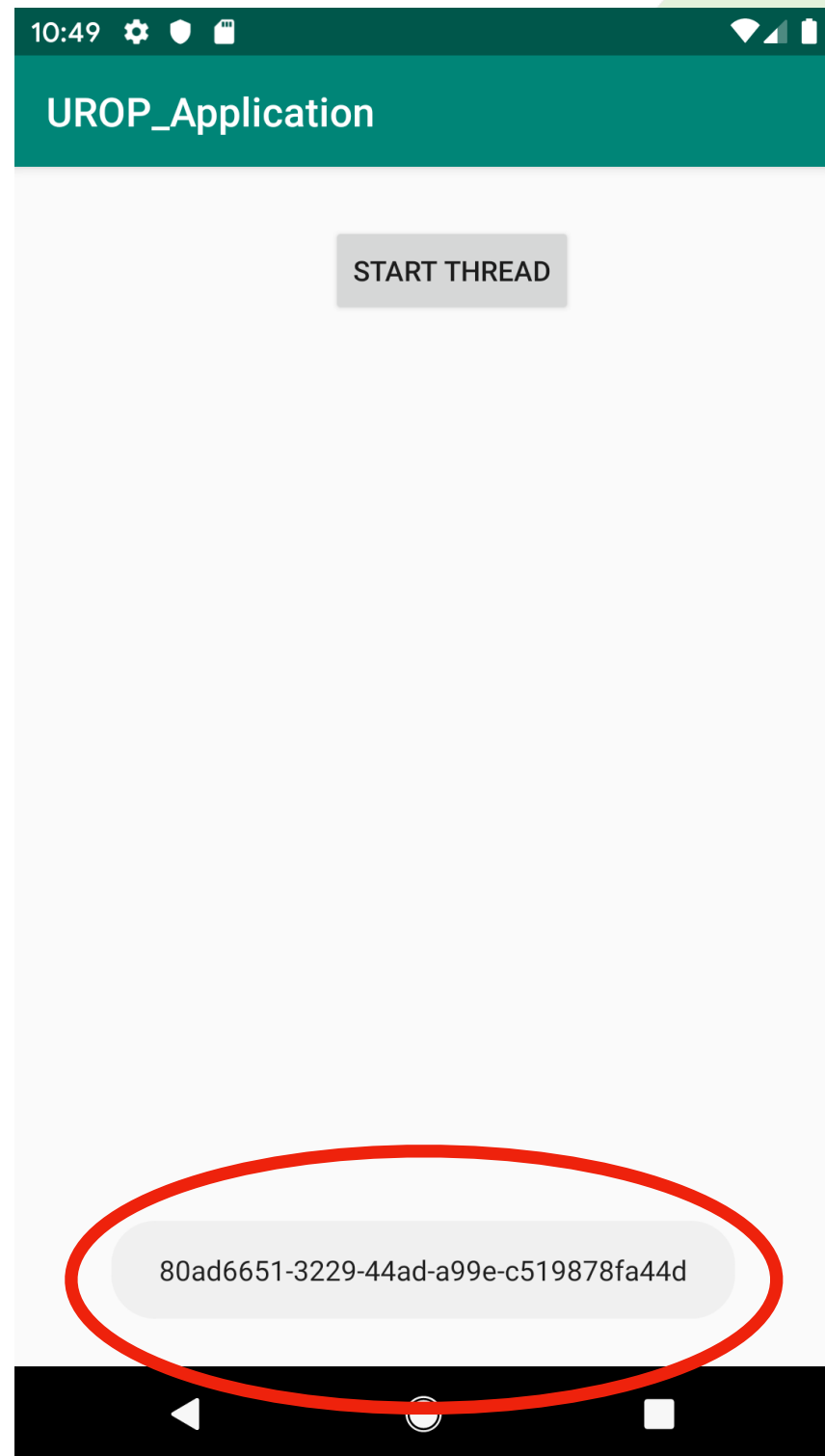
Main UI



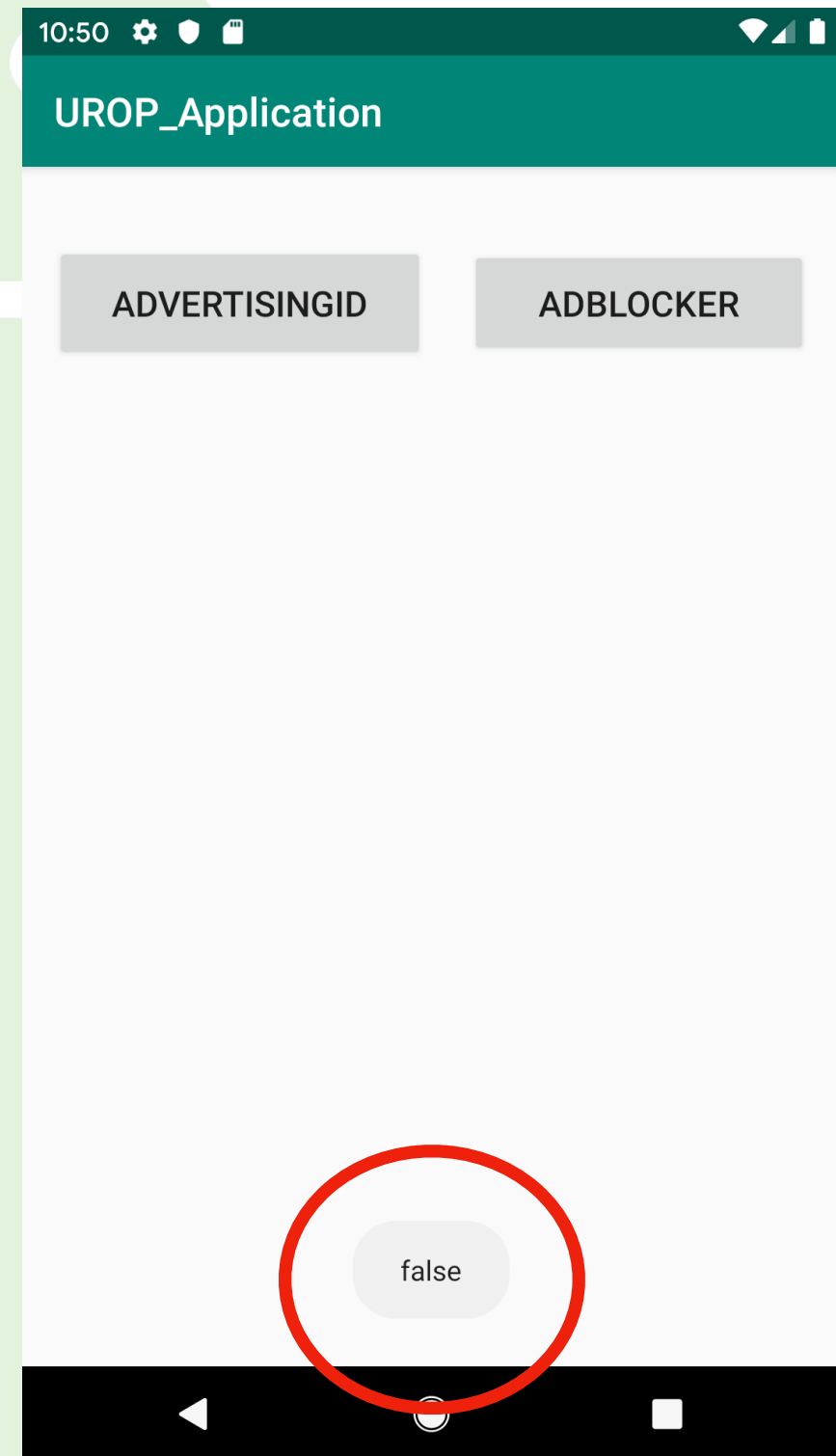
UI reached after clicking AdvertisingID button



**Toast showing
AdvertisingID after “Start
Thread” button has been
pressed**



**Toast showing whether the
specified adblocker has
been installed on this
device**



Challenges



General

- My biggest issue at this stage is regarding *how* I should be tracking changes. Should I be checking user preferences **at intervals** (e.g., every 10 minutes, every hour) or **continuously**?

Problem 1.5

- When detecting if the user uses adblockers, I am not sure how I can check every possible adblocking app on the Google Play Store. Is there a setting on Android devices which gets switched on when adblocking is used, or do I need to check every app manually?