Application Development for Mobile Computer

<Week 5 (Lab)>
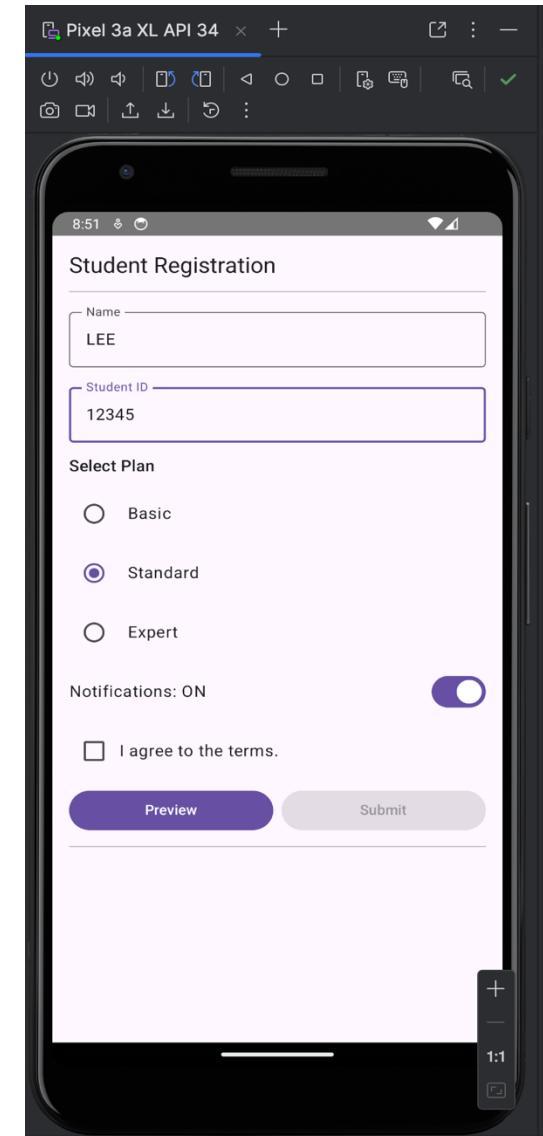
Youn Kyu Lee

Assignment#5

- **Task**
  - Create a single-screen Student Registration app using Android Studio.
  - The app should let the user enter information, select options, and show a summary only when the "Preview" button is pressed. On "Submit", show a Toast.
  - **Inputs**
    - Name (TextField)
    - Student ID (TextField)
  - **Selections**
    - Plan (RadioButtons): Basic, Standard, Expert (select exactly one)
    - Notifications (Switch): ON/OFF
    - Agree to terms (Checkbox)
  - **Actions**
    - Preview
      - Validate: name and student ID not blank, terms checked.
      - If valid → show the summary card below.
      - If invalid → show Toast with the reason and do not show the summary.
    - Submit
      - Validate as above.
      - If valid → show Toast "Submitted".
      - If invalid → show Toast "Please fix errors"

Assignment#5
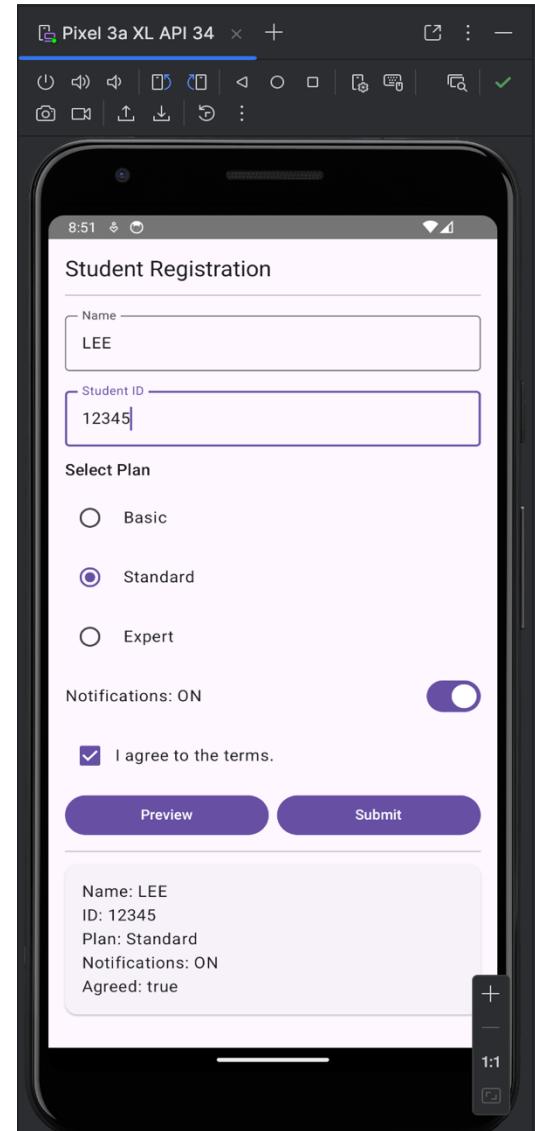
- **Task (Cont.)**
 - Take screenshots of the emulator showing the results (refer to the samples on the next pages).
  - Submit the final APK file together with the screenshots.
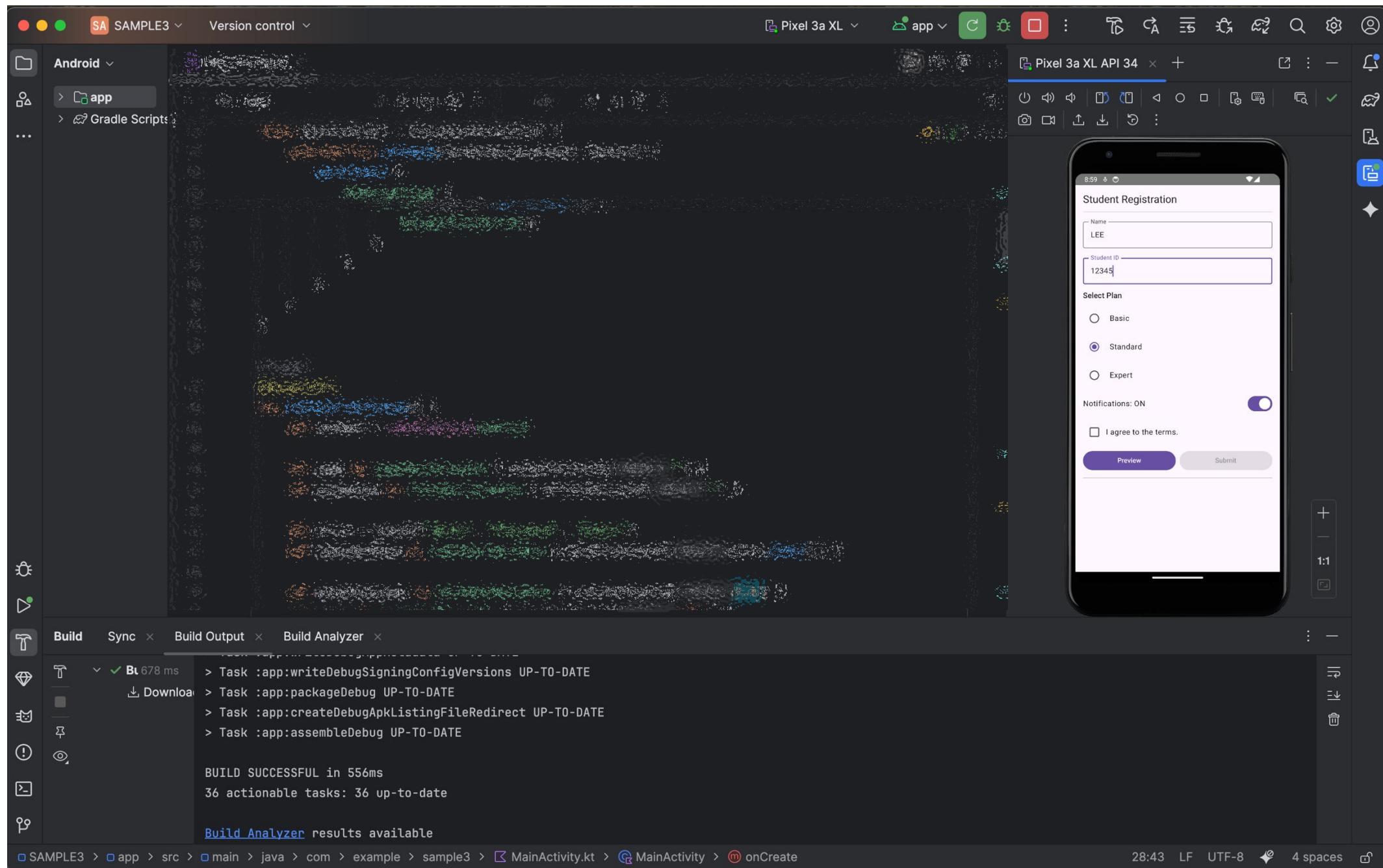
- **Submission**
  - **"Four" Emulator screenshots** (e.g., **Lab5_StudentID_1.png**)
  - **APK file** (e.g., **Lab5_StudentID.apk**)
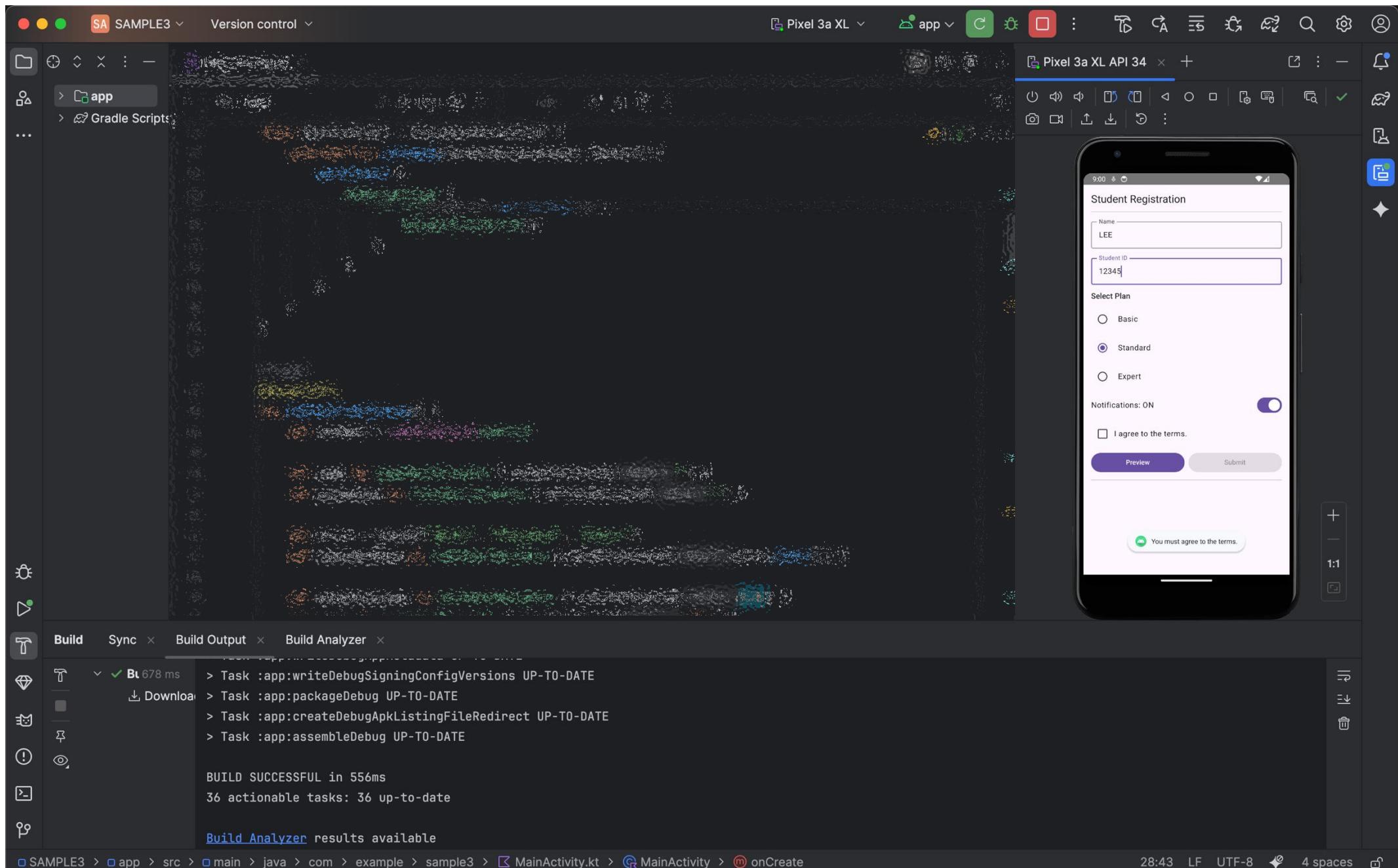
- **How to Submit**
  - Upload both the screenshot and APK file to e-class
  - Deadline: 25.10.19

Lab5_StudentID_1.png

SA SAMPLE3

Version control

Pixel 3a XL

app

Android

> app
> Gradle Scripts

Pixel 3a XL API 34

8:59

Student Registration

Name
LEE

Student ID
12345

Select Plan

○ Basic

◉ Standard

○ Expert

Notifications: ON

☐ I agree to the terms.

Preview   Submit

1:1

Build   Sync ×   Build Output ×   Build Analyzer ×

✓ Bu 678 ms
⤓ Downloa

> Task :app:writeDebugSigningConfigVersions UP-TO-DATE
> Task :app:packageDebug UP-TO-DATE
> Task :app:createDebugApkListingFileRedirect UP-TO-DATE
> Task :app:assembleDebug UP-TO-DATE

BUILD SUCCESSFUL in 556ms
36 actionable tasks: 36 up-to-date

Build Analyzer results available

SAMPLE3 > app > src > main > java > com > example > sample3 > MainActivity.kt > MainActivity > onCreate

28:43   LF   UTF-8   4 spaces

Lab5_StudentID_2.png

Student Registration

Name
LEE

Student ID
12345

Select Plan

○ Basic

● Standard

○ Expert

Notifications: ON

☐ I agree to the terms.

Preview   Submit

You must agree to the terms.

> Task :app:writeDebugSigningConfigVersions UP-TO-DATE
> Task :app:packageDebug UP-TO-DATE
> Task :app:createDebugApkListingFileRedirect UP-TO-DATE
> Task :app:assembleDebug UP-TO-DATE

BUILD SUCCESSFUL in 556ms
36 actionable tasks: 36 up-to-date

Build Analyzer results available

Lab5_StudentID_3.png

SA SAMPLE3 | Version control | Pixel 3a XL | app

Android

- app
- Gradle Scripts

Pixel 3a XL API 34

Student Registration

Name
LEE

Student ID
12345

Select Plan

○ Basic

● Standard

○ Expert

Notifications: ON ⬤

☑ I agree to the terms.

Preview | Submit

Name: LEE
ID: 12345
Plan: Standard
Notifications: ON
Agreed: true

Build | Sync × | Build Output × | Build Analyzer ×

B 678 ms

Download

```
> Task :app:writeDebugSigningConfigVersions UP-TO-DATE
> Task :app:packageDebug UP-TO-DATE
> Task :app:createDebugApkListingFileRedirect UP-TO-DATE
> Task :app:assembleDebug UP-TO-DATE

BUILD SUCCESSFUL in 556ms
36 actionable tasks: 36 up-to-date

Build Analyzer results available
```

SAMPLE3 > app > src > main > java > com > example > sample3 > MainActivity.kt > MainActivity > onCreate

28:43 | LF | UTF-8 | 4 spaces

Lab5_StudentID_4.png

Student Registration

Name
LEE

Student ID
12345

Select Plan

○ Basic
⦿ Standard
○ Expert

Notifications: ON

☑ I agree to the terms.

Preview   Submit

Name: LEE
ID: 12345
Plan: Standard
Notifications: ON
Agreed: true

Submitted

Build   Sync   Build Output   Build Analyzer

> Task :app:writeDebugSigningConfigVersions UP-TO-DATE
> Task :app:packageDebug UP-TO-DATE
> Task :app:createDebugApkListingFileRedirect UP-TO-DATE
> Task :app:assembleDebug UP-TO-DATE

BUILD SUCCESSFUL in 556ms
36 actionable tasks: 36 up-to-date

Build Analyzer results available