Personal Project

Mobile App Programming

Personal Project

- The topic of **personal project** is "**implementing your own application**" with **free subject.**

- There are only 3 restriction points : **your application must contain following functionalities**.

Various Activities	Your application must contain more than or equal to **3 activities**.
Opensource API	Your application must communicate with **Opensource API** and it **must connect with Networking**.
Using Kotlin	Your application must made by kotlin language.

Criteria – UI/UX (30 points)

- Your application should be **easy to use**, and **comfortable to see**.
    - This means, your points will be deducted when:
      Text is too hard to read, View is too small to touch, View is not properly aligned, View is overlapping strangely, Navigation(back button) is not working properly, …
    - cf) https://material.io/design

- And as we mentioned, your application must contain **at least three activities**.

- **Open source UI** is allowed…,
  but you must write its original source(Github Link) in your report.

Criteria – Implementation (30 points)

- Your application should contain **three restrictions** of android that we explained during this semester. (mentioned on **page 2**.)

- You will get **-3 points** per minor bugs, **-5 points** per critical bugs
  - UI/UX related minor bugs will not be counted in Implementation
  - Critical bug example : application terminates with unexpected error
  - Minor bug: all bugs not mentioned above

Criteria – Difficulty & Novelty (20 points)

- **Level of implementation difficulty (15 points):** Your application must contain at least **one implementation challenge**.
  - You cannot get full points if your project is easier than PA1 or PA2.
  - You must mention this challenge on presentation.

- **Not copied (5 points):** Your application must have some different things than our lecture contents.
  - ex) If you made Korean wordle, you get 0 point for this.
  - ex) If you use only API for networking in lecture, your points will be deducted.

Criteria – Presentation & Demonstration (15 points)

- You must submit **presentation video** on iCampus until **23rd June, 23:59.**
  - Presentation must be less than 10 minutes (3 pts).
  - Your presentation must contain the subject of your application (3 pts).
  - Your presentation must contain the challenge of your implementation (3 pts).

  - **Your presentation also contain the execution of your project. (You should demonstrate your project on presentation)** (6pt)

  - In presentation, you should show us **the all functions of your project**.

- **Completed source code is also submitted until 23rd June 23:59.**
  - **NO DELAYED Submission after 23rd June!**

Criteria – Report (5 points)

- You must give us **report that contains usage of your application**.

- Your report must contain which **design pattern** your application uses and how your application and back-end communicates with.

- You **must** **not** **copy & paste your codes** in reports.

- **Report format** is uploaded on ICAMPUS, you must use it.

Submission Due Summary

- **Presentation Video**
  - Take a video following the guideline of page 6.
  - Submit on iCampus, until **23rd June, 23:59.**

- **Report**
  - Use the format and write down report following the guideline of page 7.
  - Submit on iCampus, until **15th June, 23:59.**

- **Project Code**
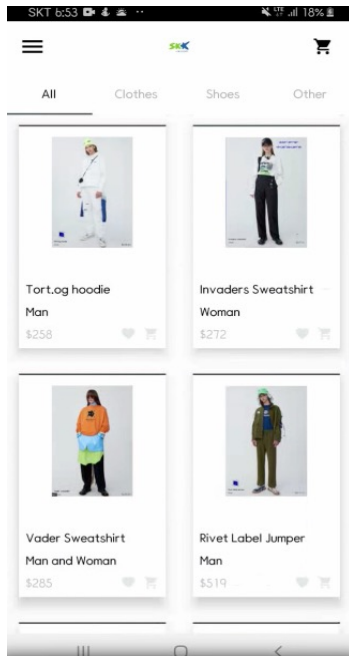 - Final version code – **23rd June, 23:59**

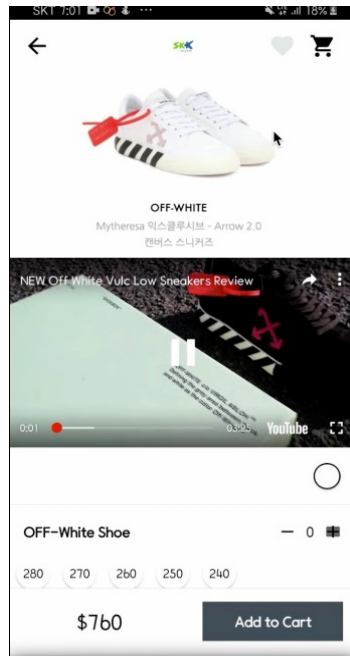- **Delayed Submission NOT Accepted.**

Restriction

- **You must not copy** others' codes (code posted on web & friends & …).

- If you use an open-source codes with proper license, you must **write the reference sources**.

    – Proper license example: open-source code with MIT License

    – If you don't, you may get **0 points**
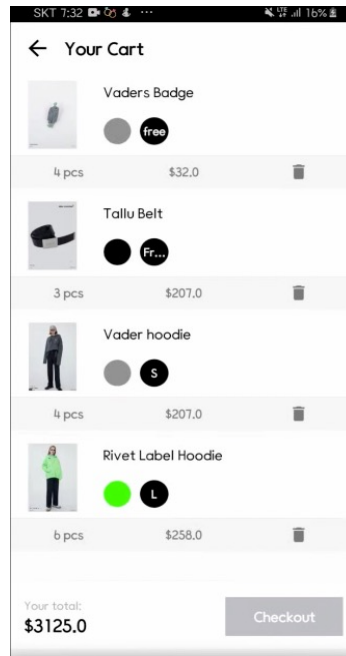
Project Example - 2020 MAP
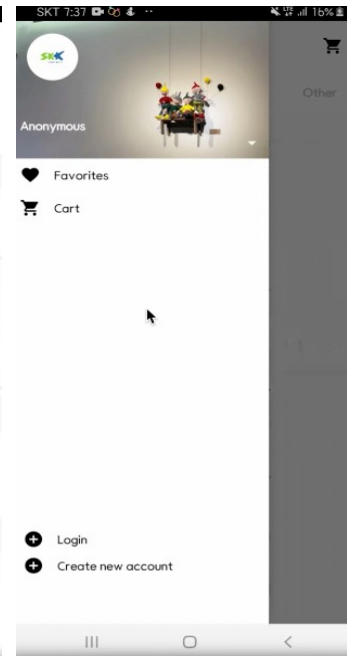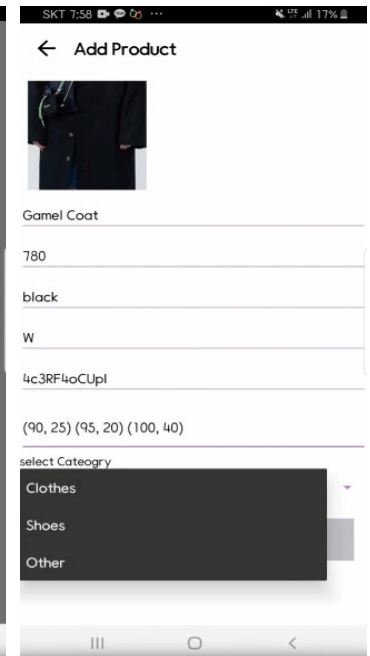
- 쇼핑몰 어플리케이션 (판매자&구매자 페이지 별도)

| 카테고리 별 상품 리스트 | 상품 상세 설명 페이지 | 장바구니 페이지 | 프로필 페이지 | 상품 신규 등록 페이지 |

Project Example - 2020 MAP

- 논문 검색 및 메모 어플리케이션