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 should contain following functionalities**.

Various Activities	Your application should contain more than **3 activities**.
AWS Lambda with RDS	Your application should communicate with AWS lambda functions and it should connect with RDS.
Design Pattern	Your application should consider design pattern, MVP or MVVM. MVC is not suitable.

Criteria – UI/UX (20 points)

- We don’t expect you well-designed application like commercial applications.
- 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**.)
  - Various Activities, AWS Lambda function, Design pattern (MVP or MVVM)

- You can get **10 points per function**.
  - If you didn't use AWS Lambda but implemented any other networking service, you will get 5 point for AWS Lambda function.

- You will get **-1 points** per minor bugs, **-3 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 (30 points)

- **Level of implementation difficulty (20 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 (10 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 OMDb API for networking, your points will be deducted.

Criteria – Presentation & Demonstration (15 points)

- You must submit presentation video on iCampus until **27th May, 23:59.**
  - Presentation must be less than 5 minutes.
  - Your presentation must contain the subject of your application (5 pts).
  - Your presentation must contain the challenge of your implementation (5 pts).

- You must submit your code on iCampus until **31st May, 18:00.**

- You must **attend on class time, 31st May** and demonstrate. (5 pts)
  - You will run your code followed by TA's instruction. **Take your Laptop.**
  - **If you do not attend, you canNOT get any point.**

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 Summary

- Presentation Video
  - Take a video following the guideline of page 6.
  - Submit on iCampus, until 27th May, 23:59
- Report
  - Use the format and write down report following the guideline of page 7.
  - Submit on iCampus, until 27th May, 23:59
- Project Code
  - Export to Zip, Submit on iCampus, until 31st May, **18:00**
- Demonstration
  - Come to classroom with your laptop on 31st May, at your designated time.
- **Delayed Submission NOT Accepted**

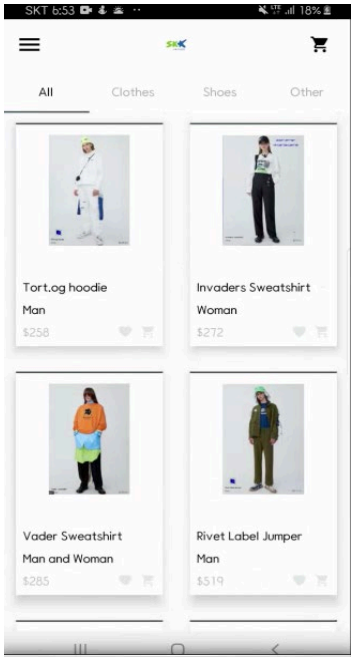
Restriction

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

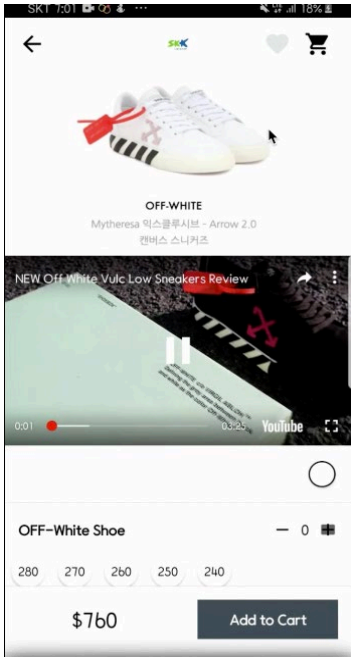
- If you use an open-source codes with proper license, you must **write the reference sources**.
  - Proper license example: open-source code with MIT License
  - If you don't, you may get **0 points**

Project Example - 2020 MAP

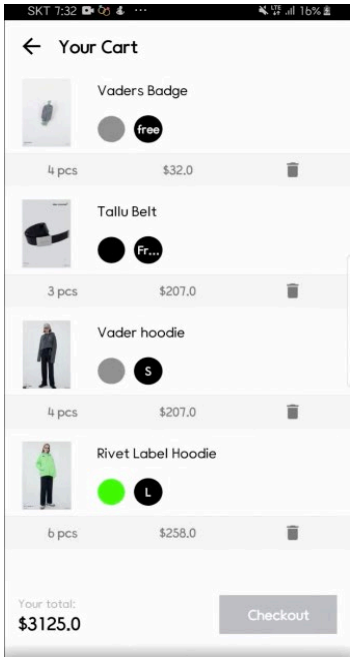
- 쇼핑몰 어플리케이션 (판매자&구매자 페이지 별도)



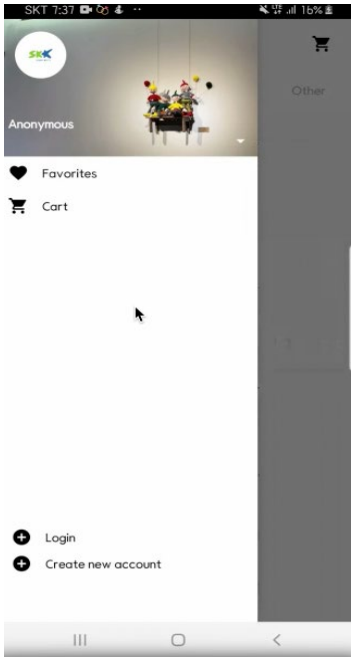
카테고리 별 상품 리스트



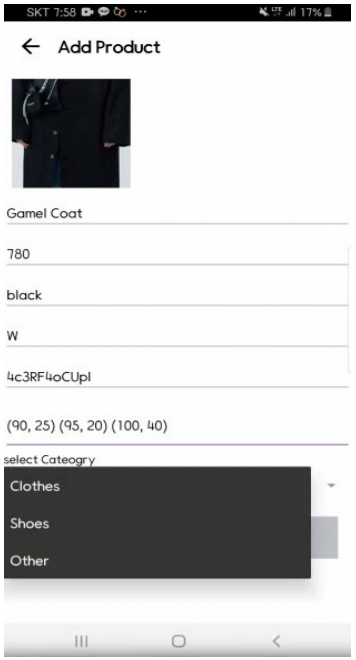
상품 상세 설명 페이지



장바구니 페이지



프로필 페이지



상품 신규 등록 페이지

Project Example - 2020 MAP

- 논문 검색 및 메모 어플리케이션