

# Open-Source Software Practice Final Project - Proposal Phase

Ossp\_22조

2018312321 서강택(vmrmtms123@gmail.com)

2019312964 윤진희(lgrace22@g.skku.edu)

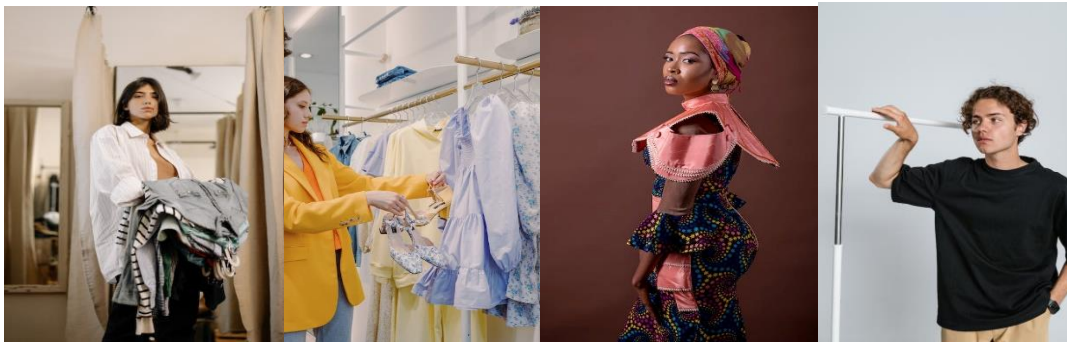
2017314165 최승규(csg1718@gmail.com)

## 1. Application Type

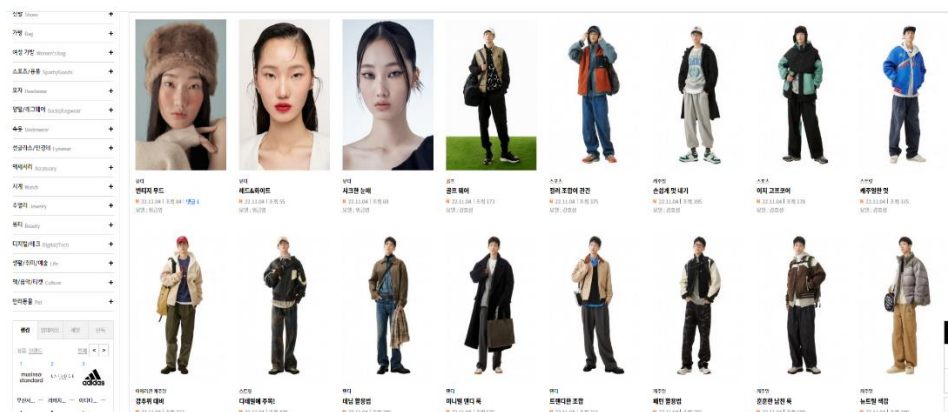
- Our team is trying to develop **web page application**.

## 2. Theme

- General Problem of **Purchasing the clothing**: There are many people who have difficulty choosing clothes that match their appearance, and we are trying to develop the following application for this problem.



- Existing Service(representative platform: **musinsa**): There are many style that models wear the clothing. But there are not **personal style** systems that recommend the fashion item according to user's pose or face.



- Our application outputs what kind of animal it is when a person's face image is input into the learned model. Additionally, it recommends styling according to the animal image what that person looks like.

- While trying to create an application using artificial intelligence, we chose the subject because we thought it would be simple and interesting to users.

### 3. Features

- 1) **Recommender systems:** By using the feature combination, our service can provide the convenience to users who have trouble selecting the clothing.
- 2) **Facial Image – based model & Simple usage:** By Serving the trained multiclassification model, users can use our system if just upload the facial picture.
- 3) **Easy to purchase the clothing & Link to the site:** By just clicking our link, user can purchase the clothing & compare the price of the clothing
- 4) **Review Collection Page:** By collecting the review of our system, we can reflect the user's opinion & upgrade our system.

### 4. Usage Scenario

- 1) First Page with Start Button



- 2) User's information page: Select the user's gender & body information(ex. Height, Weight ..) and Button to go back previous page



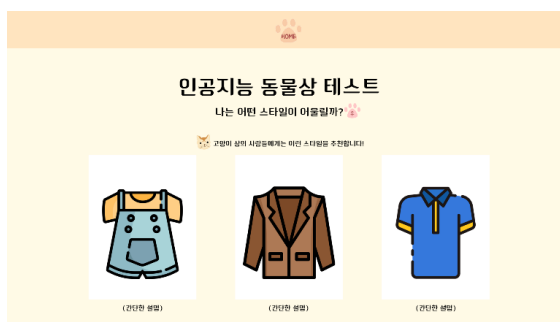
- 3) Picture Upload Page: Upload the Facial picture of the front & See user's information



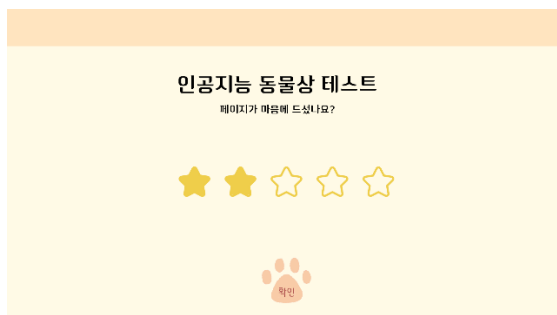
- 4) Result Page: Result of multiclassification of various animals according to user's face.



- 5) Service Page: Recommend the fashion of user & inform the reason about this style & Link to purchase the clothing like pants, shirts, sweater, etc..



- 6) Review Page About our service(Additional function)



## 5. Task-Assignment

- 1) Front-end Assignment(All of the team)
- 2) Data Collection & Train multiclassification model according to the user's face(서강덕)
- 3) Connect the model & Add the function of JS(윤진희)
- 4) Back-end Assignment to review system(최승규)
- 5) Documentation(All of the team)