

# Fatching

## : Fashion Matching Service

- Midterm Presentation -

# Deep Learning



Input from user

Classification  
model

{ Category,  
Color,  
Length,  
Fit }

Fashion vector

Category(4) : top, bottom, outer, dress

Color(12) : red, blue, yellow, black, ...

Length(3) : short, middle, long

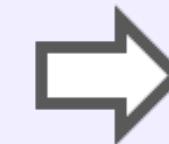
Fit(3) : tight, normal, loose

Recommendation  
model



Result

# Classification



1. Color

2. Category

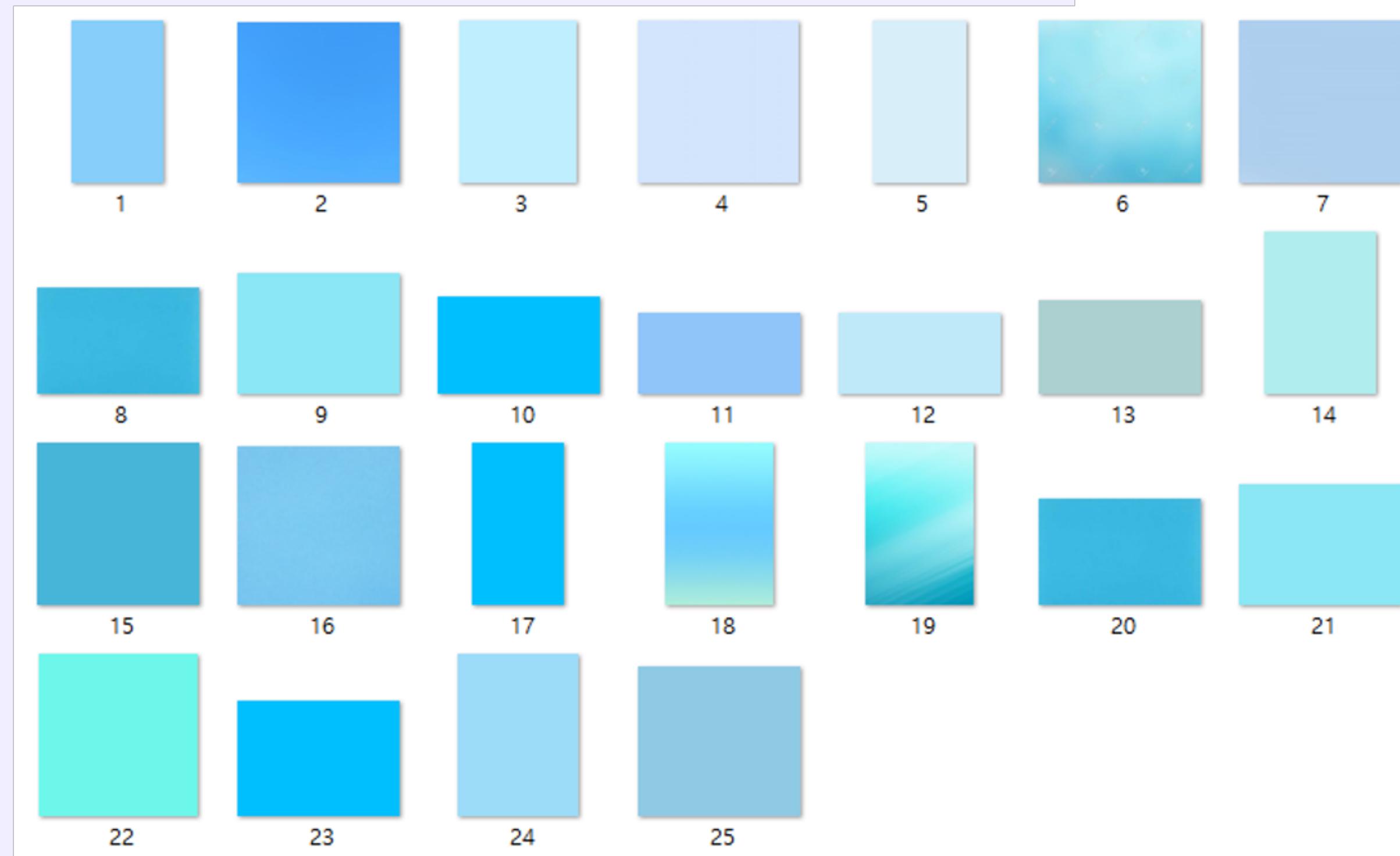
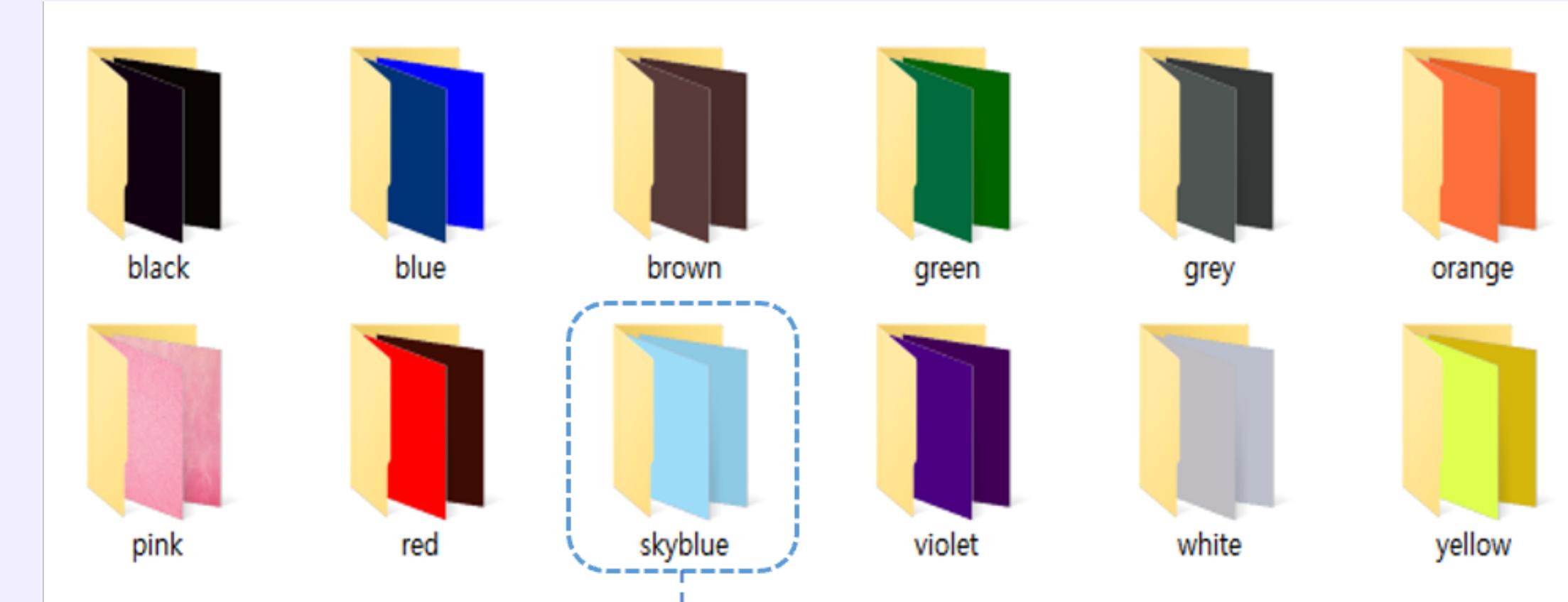
3. Length

4. Fit

Input data

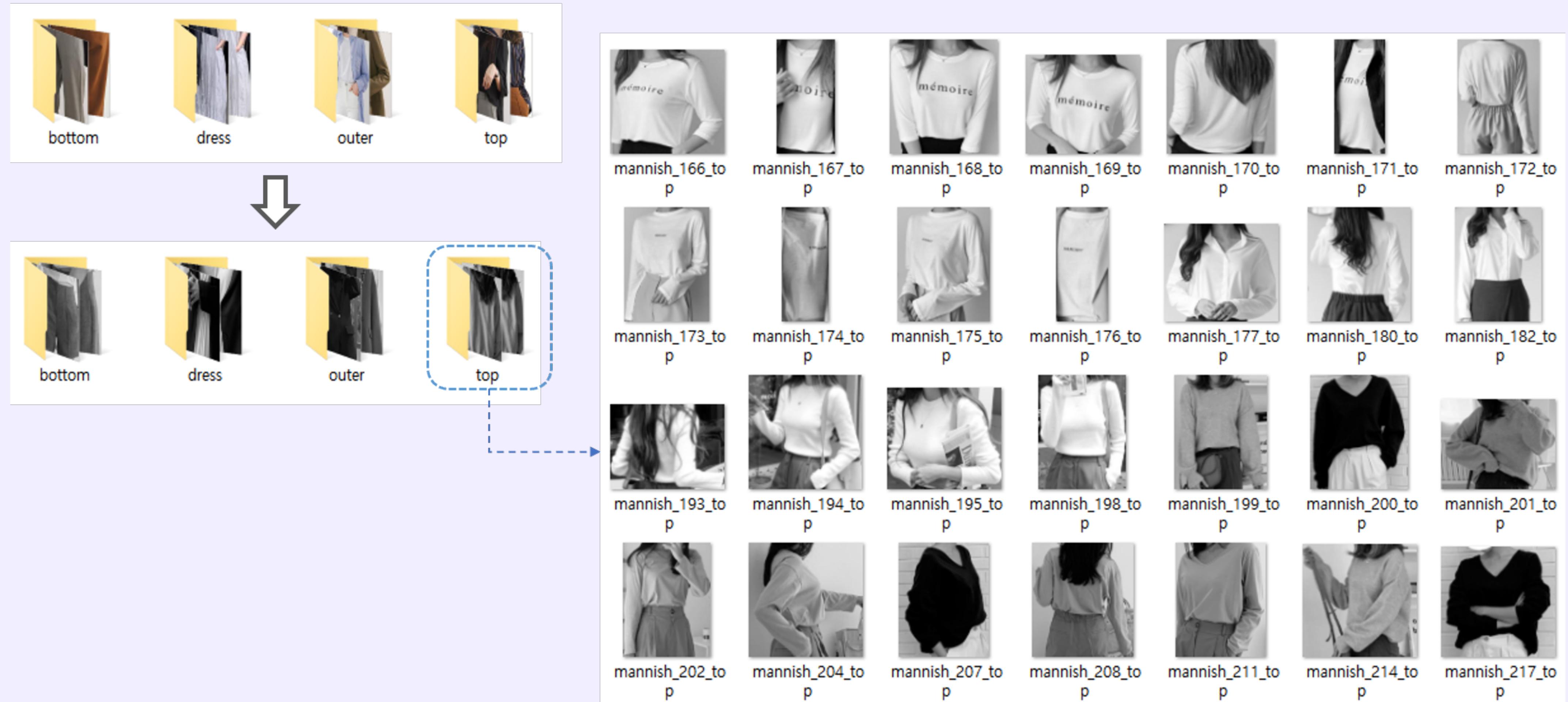
# Classification

## : Color



# Classification

## : Category



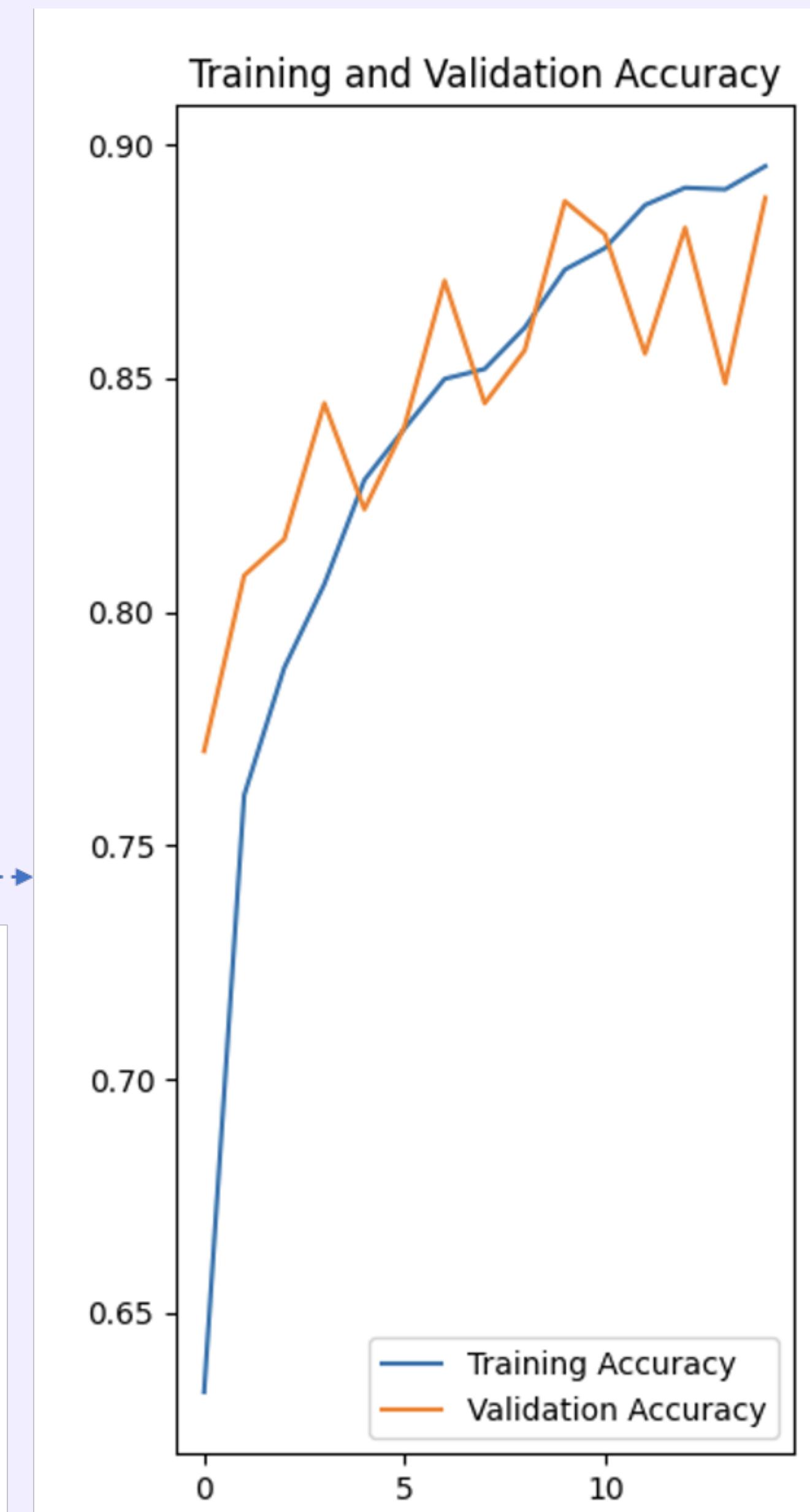
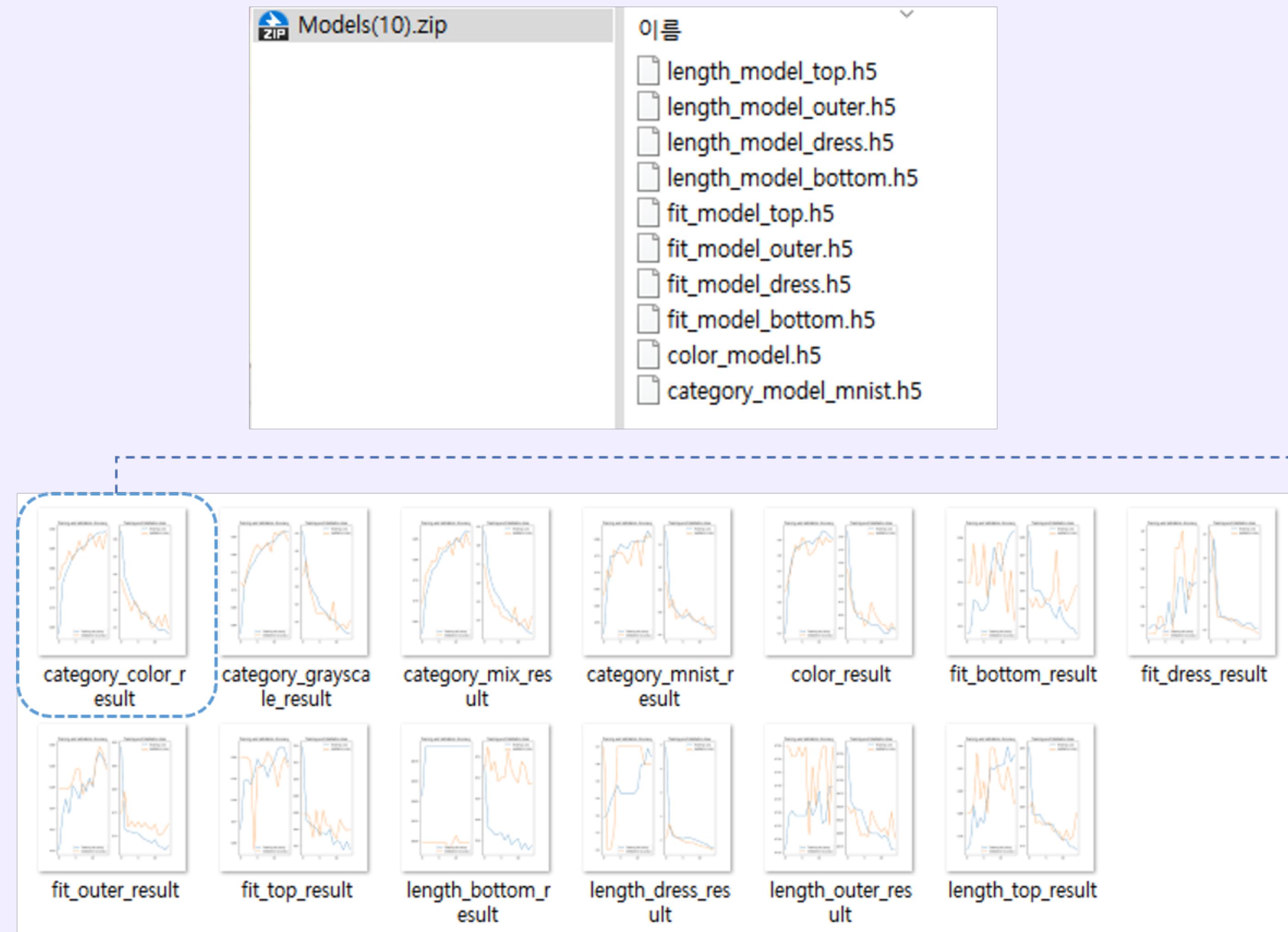
# Classification

## : Length / Fit



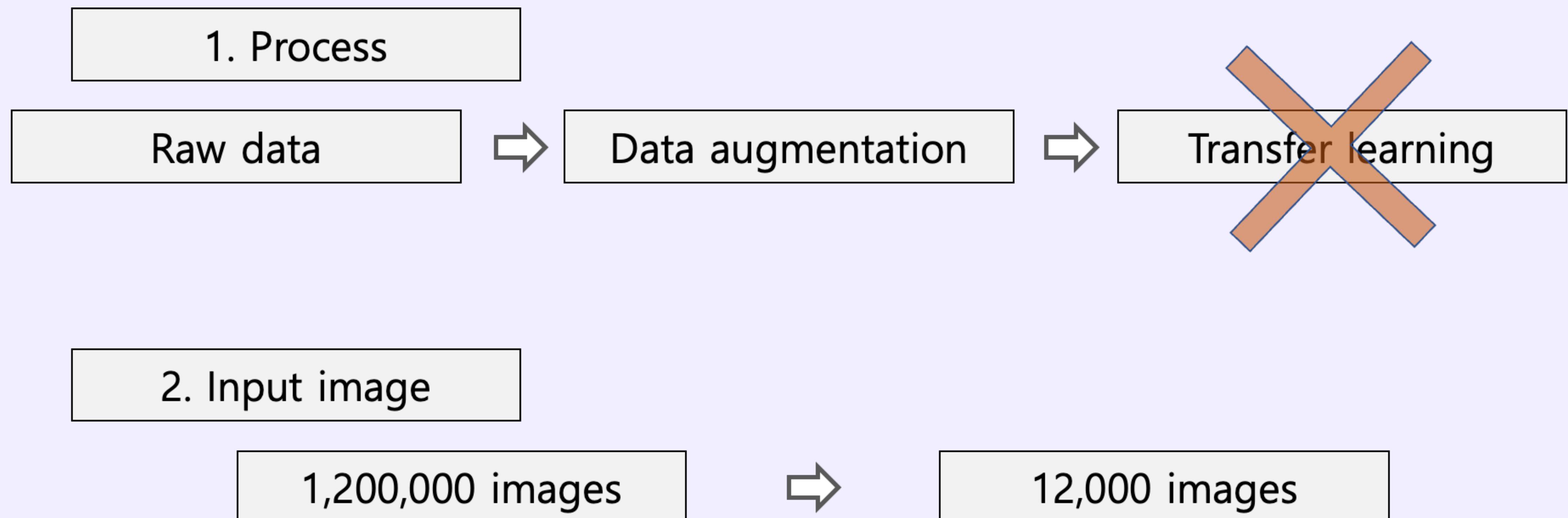
# Classification

## : Result



# Classification

## : Limitation

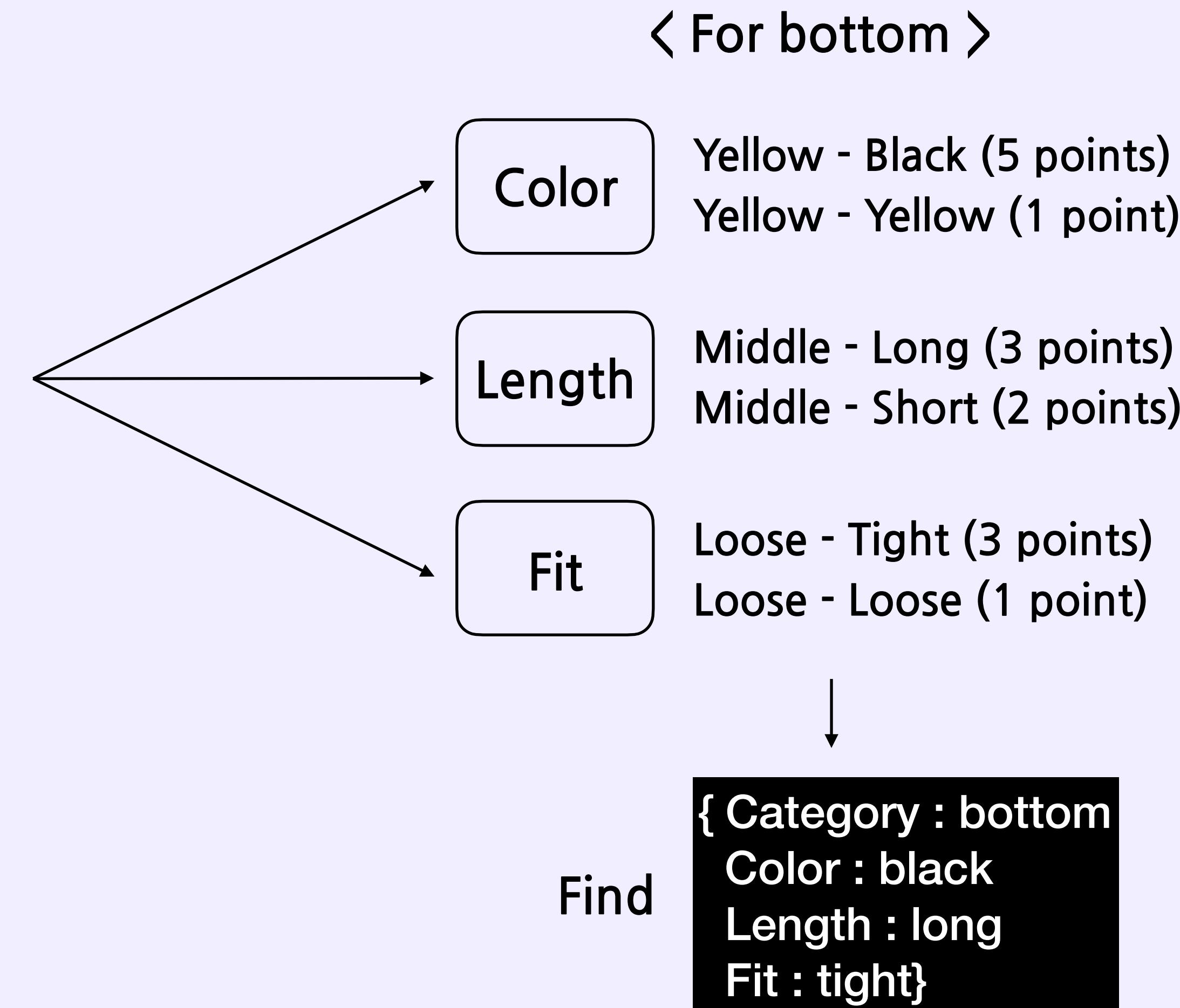


# Recommendation

## : Score



```
{ Category : top  
Color : yellow  
Length : middle  
Fit : loose}
```



# Server

```
11
12
13
14
15     @app.route('/', methods = ['POST'])
16     def hello_world():
17         if request.method == 'POST':
18             print(Flask.request.files)
19             print(Flask.request.files.get('image'))
20             # print(Flask.request.files['20200902_174631.jpg'])
21             print(Flask.request.form)
22
23             file_dir = "C:/Users/vikash/Myworkload/images"
24             a = return_color(result(file_dir))
25
26             arr = return_type(result(file_dir)) #[color, category, length, fit]
27             print(arr)
28
29             file_dir = "C:/Users/vikash/Myworkload/images"
30             f2 = Flask.request.files.get("image")
31             f2.save(file_dir)
32
33             #print(a)
34
35
36             #return a
37             return send_file(file_dir, mimetype='image/jpg')
38
39
40
41
42     @app.route('/one')
43     def hello_one():
44         return 'Hello One'
45
```

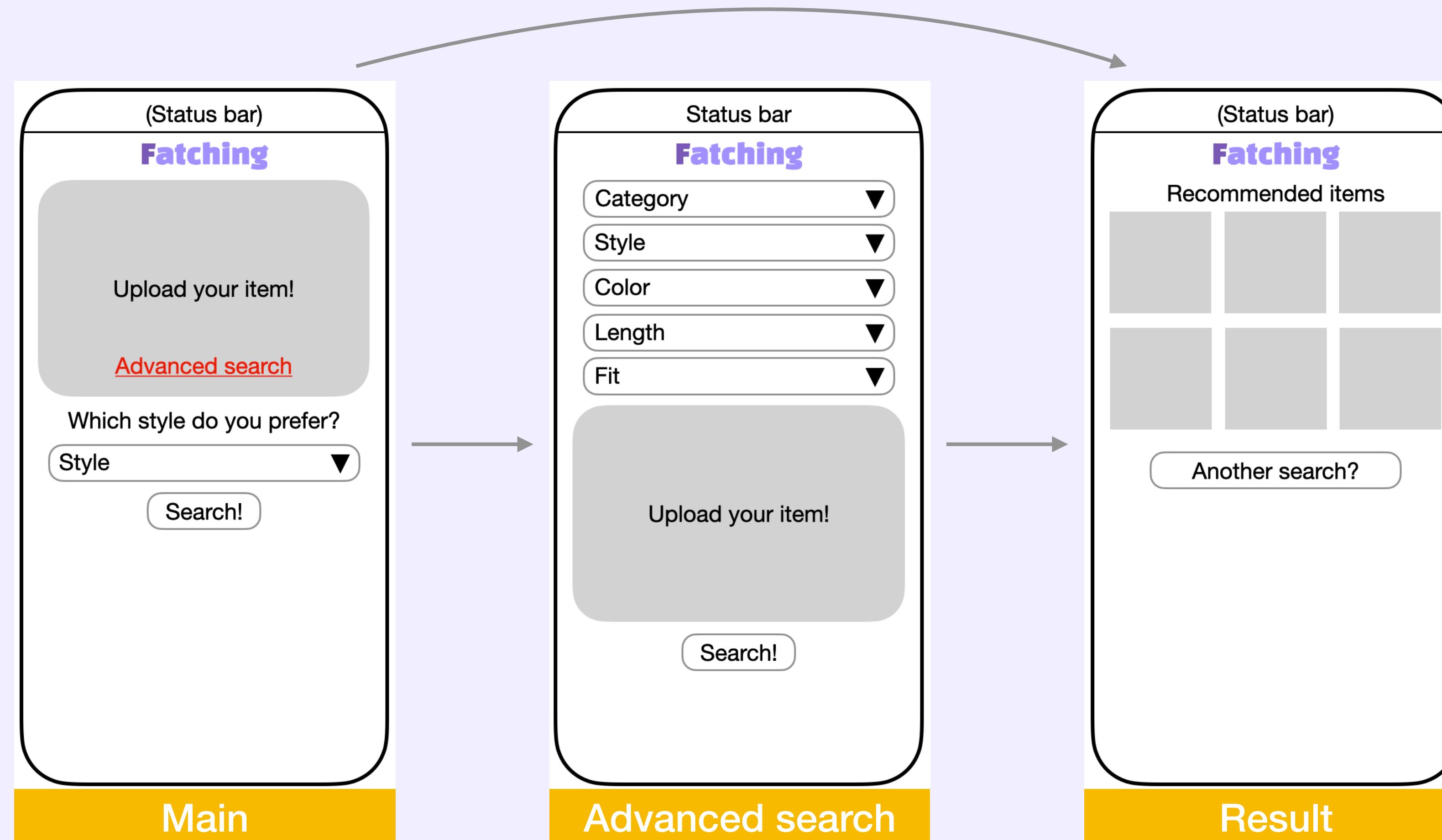
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

C:\Users\vikash\Myworkload\]

Do Py

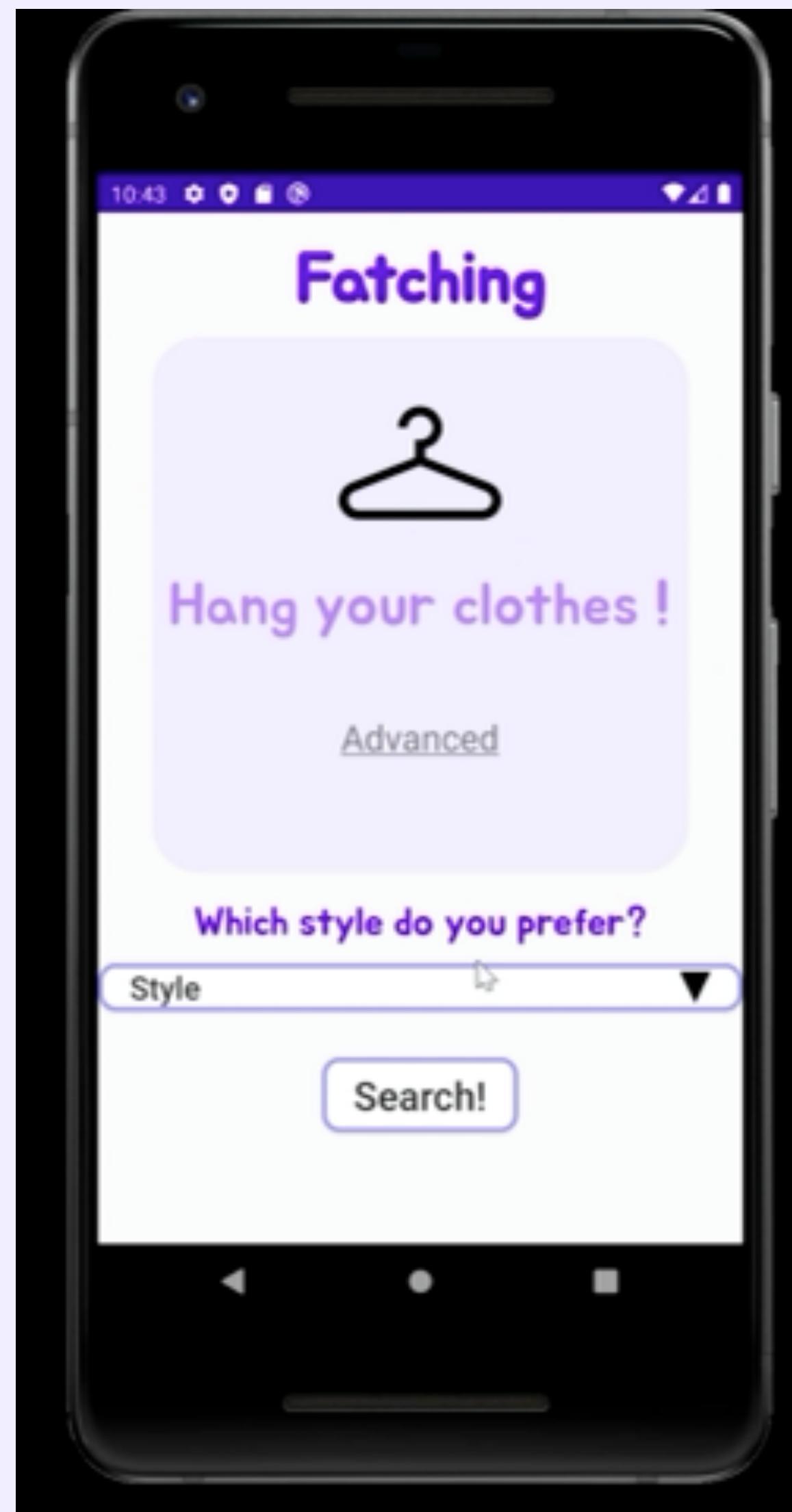
# Application

1. If you have a picture of the item, you can immediately move to the result page after uploading the picture and selecting a style.

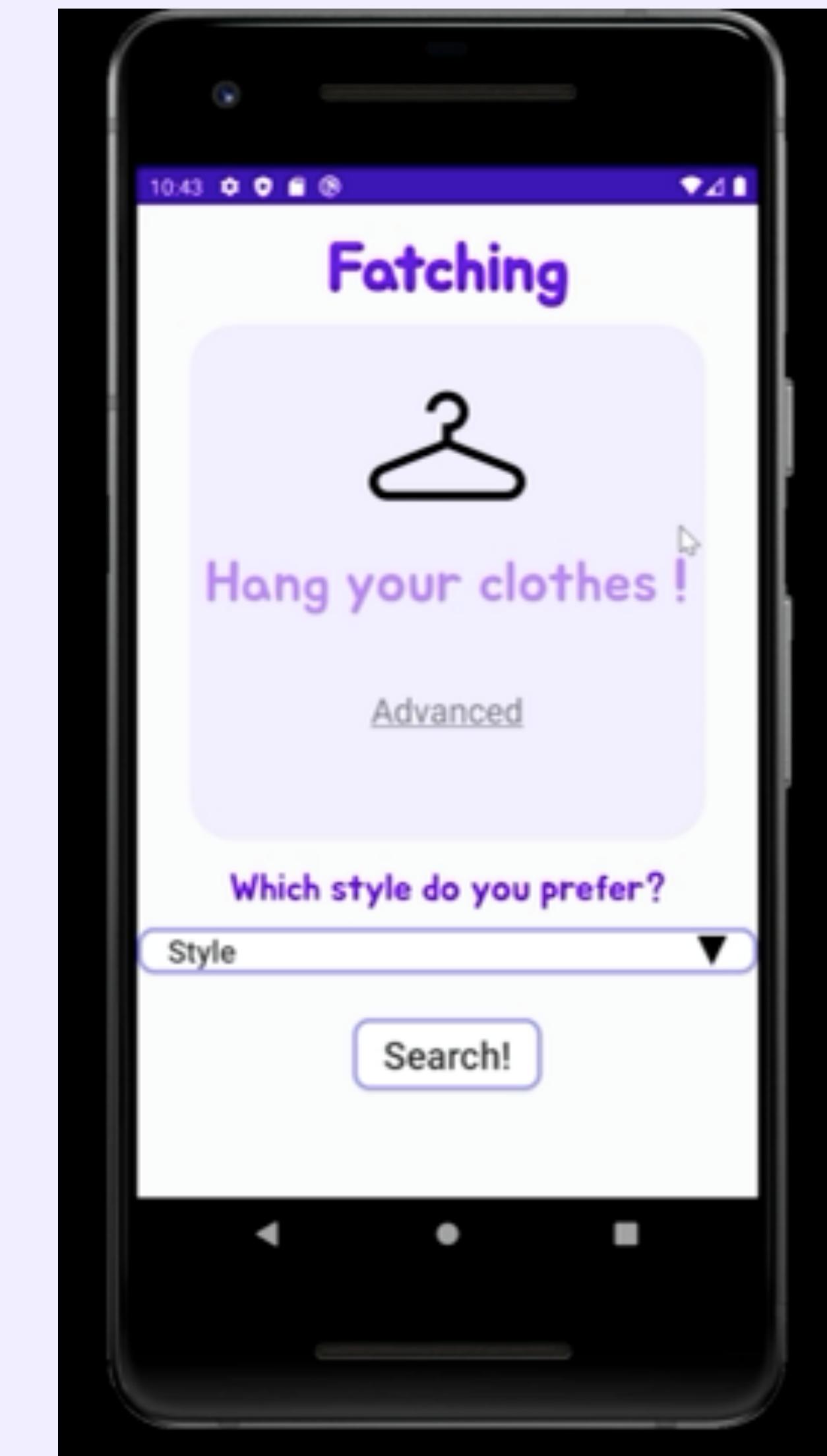


2. If you don't have a picture or want to do more detailed search, you can move to the advanced search.

# Demo



Main → Result



Main → Advanced search → Result

**Thank you!**