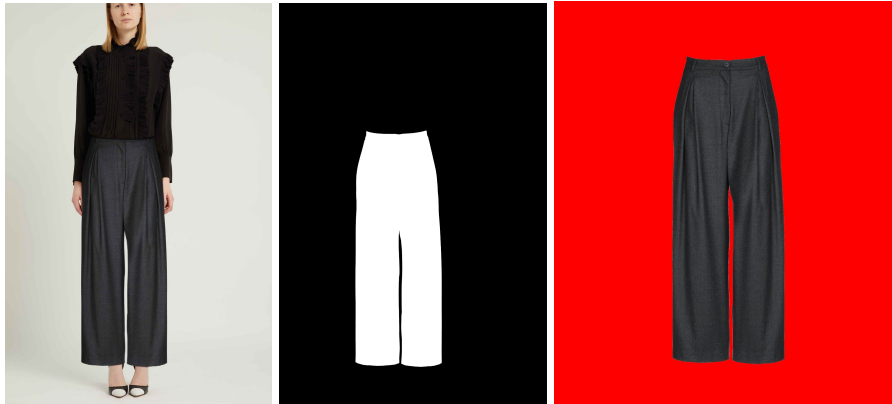


Flixstock Assignment: Software Engineer - Image Processing

Problem Statement 1: Create Image

- Given the image input.jpg and mask.png create the image result.jpg.
- Link to images:

https://drive.google.com/drive/folders/1DB60KVzGCFd1_V2aAIRMSwNOS9939i?usp=sharing



Input.jpg

mask.png

result.jpg

- Deliverables
 - Code in Python
 - Resulting image

Problem Statement 2: MultiThreading

- Write a python code to do the following:
 - It should be able to launch 3 different thread
 - Each thread should print this every 5 second:
 - Thread <thread number> is running at <time elapsed>
 - E.g.
 - "Thread 2 is running at 0"
 - "Thread 2 is running at 5"
 - "Thread 2 is running at 10"
 - Initially start thread 1 and 3
 - After 20 second stop thread 1 start thread 2
 - Again after 18 second stop thread 3 and start thread 1
- Deliverables
 - Code in Python

Problem Statement 3: Similar Image

Given a query image (query.jpg) and a database folder of jpg images. Find the image in the database folder that is most visually similar to the query image.

Find Query Image and database folder here:

<https://drive.google.com/drive/folders/1UGDQnanMSBEPgnoZLRgtUBhVAm3jsvU9?usp=sharing>

- Deliverables (Git Repository)
 - Code in Python
 - Most similar image to query image