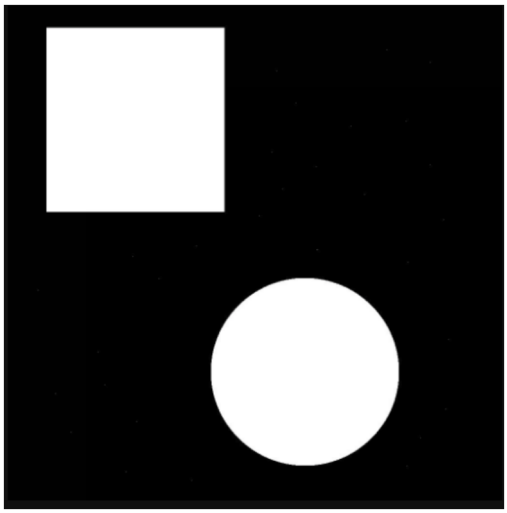
Project: Pattern Recognition - using image processing library OpenCV

Step 1: Study the Pattern Recognition Process done

Step 2: Study the Pattern Recognition - implementing your code without using an image processing library done

Step 3: Using the image processing library OpenCV to recognize a JPG image which contains a square object, a circular object, and several salt and pepper noises.



- You can enhance Mikaela Montaos's OpenCV code by adding noise reduction functionality at the beginning of the process.

- Ask ChatGPT on how to use OpenCV to do JPG image convolution with Gaussian Filter to remove salt and pepper noises.

Step 4: Update your portfolio about this project

Google Slides

https://docs.google.com/presentation/d/1PE3tykbRFRD3pXDvUSKSDaaIaMbxMxZSmXYNMceGABI/edit#slide=id.g23d43119654_0_135

Step 5: Submit the URL of your GitHub webpage as part of the homework answers.

- GitHub directory structure

Artificial Intelligence
Pattern Recognition with OpenCV

https://github.com/Mousse789/CS455_Week12_PatternRecognition