Image Processing Project
Object recognition for coins calculation

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Agenda

- Notes
- Project progress
- Project Overview
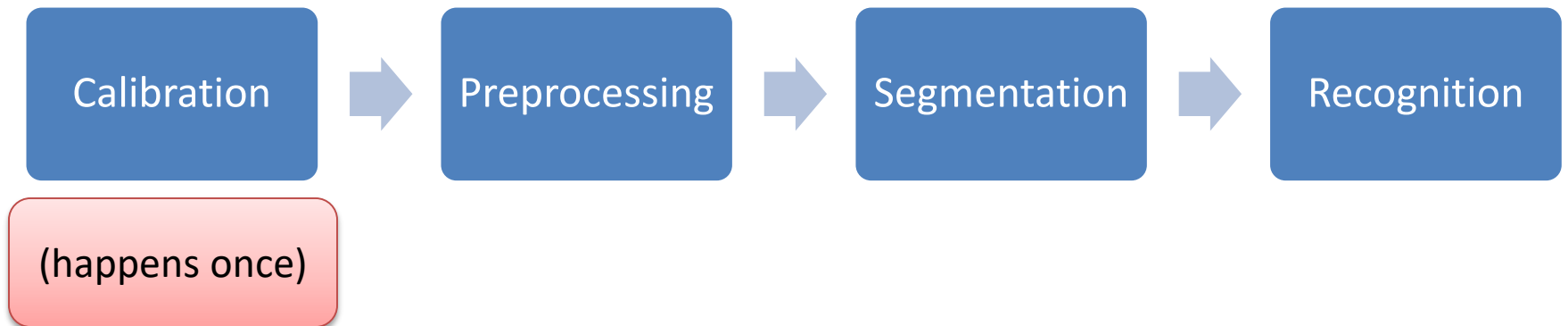- Project Analysis
- GUI
- Conclusion

Notes

- Shared dataset: If existed calibration is not suitable, build yours!

- Report: more diagrams & visual outputs, less words (Not enough! → readme.txt & code comments)

Project progress

Coin calculation

- Object recognition
- Money estimation

Project Overview

Calibration → Preprocessing → Segmentation → Recognition
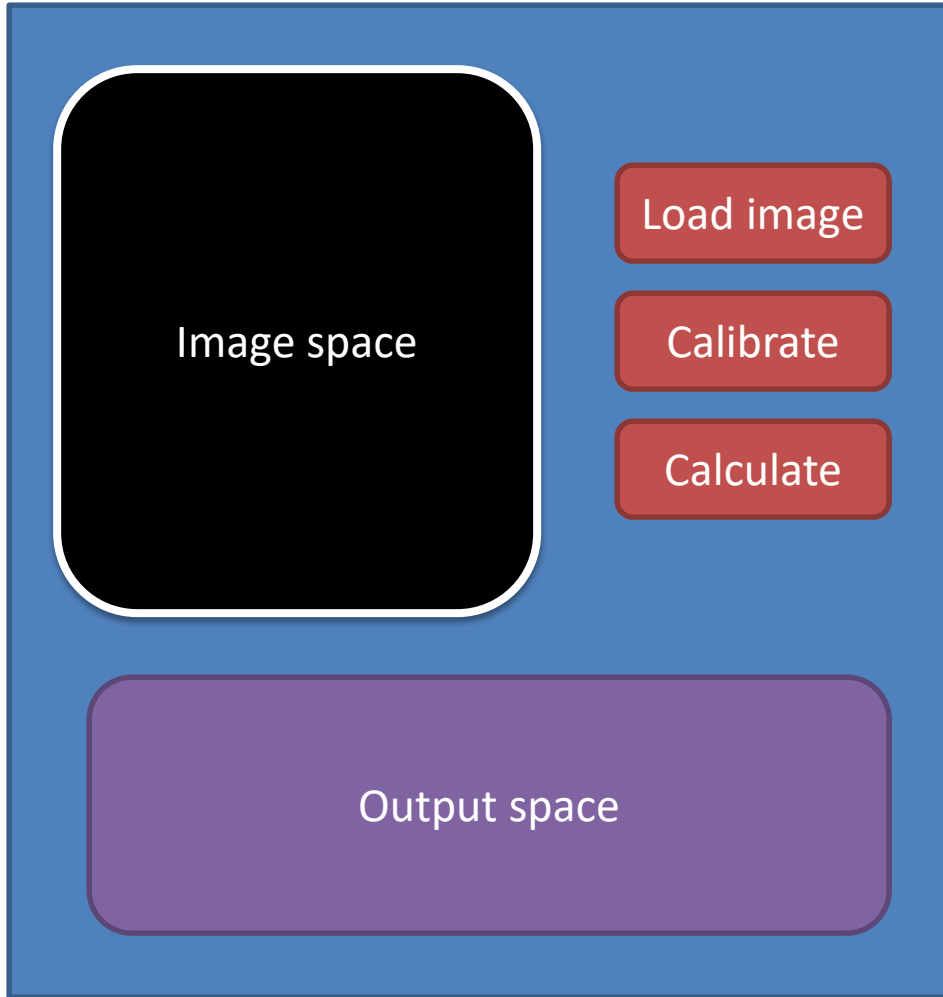
(happens once)

Project Analysis I

- Qualitative
  - Correct and incorrect results.

- Quantitative
  - Table (No. Success, No. Fail, Accuracy, and total summary) using your own dataset and provided dataset [Image-Oriented].

Project Analysis II

- Noise Study
  - [G(x,y) = f(x,y) / r + N] where r is ranging value [0.1, 0.2, ... , 1] and N is constant additive white noise.
  - Graph (x-axis: accuracy, y-axis: r)
  - Hint: N → imnoise(im2double(Org)/r,'gaussian')

GUI

Conclusion

- Look at project handout
- Deadline: 25 Jan 2017
- Clean code & clear report
- TP review: cons & pros

- Good Luck!