Mid-term Evaluation Instructions

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1 Introduction

This paper guides students in the Image Processing course (2024 -INT3404E) on the things for the midterm evaluation.

2 Workflow of evaluation

On the evaluation day (planned for 23/05/2024), each team, along with TA, will follow these sequential steps, illustrated in the Figure 1:

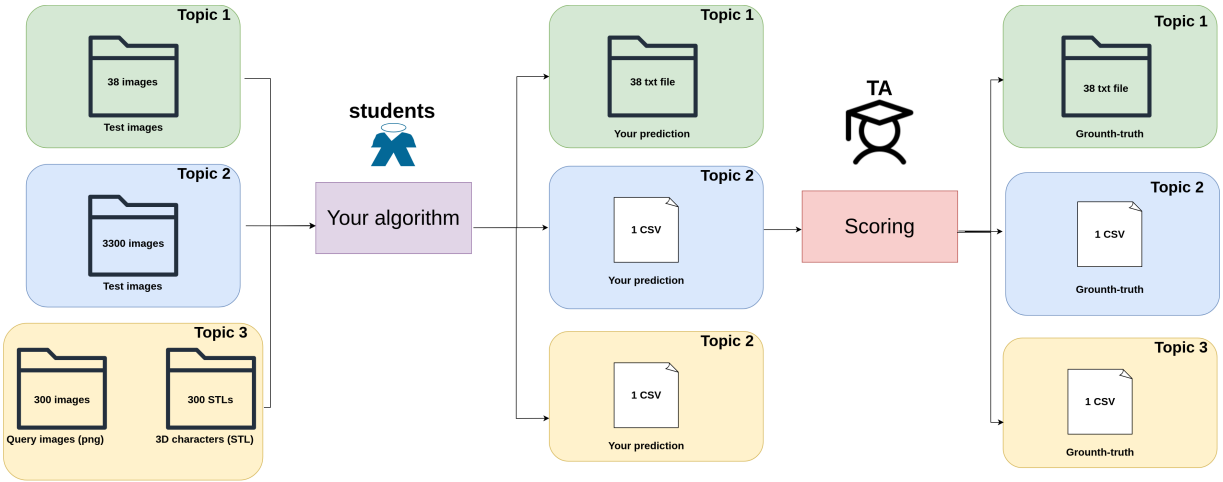

Figure 1. Illustration of evaluation worflow

1. The TA will provide the test dataset in the same format as the validation data provided before.
2. The team will use their prepared scripts to generate predictions in the format specified in the previous report.
3. The TA will collect the team's output and use the course-provided code: "Mid-term Evalution code" to calculate the team's final score.

To ensure a smooth evaluation process, each team should prepare the following things:

1. Use the provided evaluation code from the "Mid-term Evaluation Code" along with your prepared evaluation code to trial on the validation dataset beforehand. Ensure everything works as expected by following the instructions in the README.md file.
2. Check the execution time on the test dataset. If it takes more than 10 minutes to complete, contact the TA as soon as possible for assistance. The test datasets are as follows:

- Topic 1: Approximately 40 test images.
- Topic 2: Approximately 3300 test images.
- Topic 3: Approximately 300 images in the query directory and 300 3D characters in the database directory.

During the evaluation, any errors that occur will result in penalties for the team. Therefore, your code should contains code that handle exceptions and prepare carefully.

3 Reports and Github repository

3.1 Reports

Each team will submit two types of reports:

1. **Abstract Report**: The report should be no more than 2 pages, **printed** and **submitted** to the TA on the evaluation day. It must include:
   (a) A summary of all approaches the team tried, including both failures and successes.
   (b) A description of each member's tasks (More details are preferred.)
   (c) A self-evaluation of each member's contribution, expressed as a percentage of the total effort (with 100% representing all tasks).
2. **Full Report**: This report has no page limit and should follow a formal document structure. It should include an introduction to the problem, the approaches taken, results and analysis, and a conclusion. This document must be attached to the team's GitHub repository within one week after the evaluation day.

3.2 GitHub Repository

One week after the evaluation day, each team must submit a repository containing the code for the mid-term project and fill out the GitHub repository information here. The repository must meet the following requirements:

1. Include a README.md file that lists:
   - Information of contributors
   - Goals of the repository
   - Instructions for setting up and running the code
   - Structure of your code repository
   - Results
   - A link to the full report
2. Include comprehensive code comments