

Homework submission guidelines

15-463, 15-663, 15-862 Computational Photography, Fall 2024
Carnegie Mellon University

You must submit your solutions to all homework assignments through Gradescope, *not Canvas*—though you can access the Gradescope page from Canvas—following the submission guidelines outlined below. If you do not follow these guidelines, you will incur a *5% point deduction* on your solution, and we will ask you to resubmit following the guidelines.

1. You must use Git for version control and submission. You can use either Github or Bitbucket. Please make sure that you do *not* use Git LFS to track large files, as this creates problems with Gradescope.
 - (a) See the screenshot below for how to submit your assignment through Gradescope’s integration with Github/Bitbucket:

Submit Programming Assignment

Upload all files for your submission

SUBMISSION METHOD 1. Make sure GitHub is selected

☐ Upload ☒ GitHub ☐ Bitbucket

REPOSITORY 2. Select the repository to submit

csci312a-s19/birthday-practical-solution

BRANCH 3. Select the branch to submit (should almost always be "master")

master

Upload Cancel 4. Upload to submit your assignment

- (b) Note that the screenshot uses Github, but we also allow using Bitbucket, and the submission process should remain the same.
- (c) Git has a *per-file* size limit of 100 MB. This should be enough for most of the data files you need to submit (for example, images, videos), with the possible exception of the PDF report. If your PDF report is larger than this limit, you can reduce its size by:
 - Compressing or downsampling the images you track in git and embed into the report. We recommend using [ffmpeg](#) to do so.
 - Preferring .jpg to .png image files (you can easily perform this conversion with [ffmpeg](#)).
 - Removing large embedded images and replacing them with references to specific image files in your `data/` directory.

As a caveat to the last point, you should still try to embed images in your PDF report whenever possible; doing so makes grading a lot easier.

- (d) We recommend that you avoid making multiple commits updating data files (for example, image and video results) in your repository. Instead, add any such files all at once, as a separate commit that you make right before submission.

2. Your solution repository must follow the directory structure shown below:

Solution repository

```
├── .pdf ..... The PDF report.
├── src/ ..... Contains all Python source code and the README file explaining how to use the code.
└── data/ ..... Contains all image, video, and other data files.
```

3. Each assignment writeup will have instructions on assignment-specific submission guidelines, for example, which files to include in the `src/` and `data/` directories, how to submit an entry for the photography competition, and which questions to answer in your PDF report. These instructions will take the form of special markup throughout the assignment writeup, as well as a dedicated “Deliverables” section. You must follow these instructions as well.
4. You must not include large unnecessary files in your submissions. In particular, you must not submit the assignment writeup, lecture notes, or the data that we provide as part of the assignment.