

General Guidelines — Individual Projects

Due March 12th, April 6th, April 29th, May 2nd at **11:59pm**

(125, 150, 50, 150 points)

Note: always consult Canvas for any due date changes due to schedule shifts

Objectives:

- Don't fall off the project train
- Learn how to manage large projects with the help of (some) outside structure

Credit:

For each due date, you must turn in the following:

- Link to your version control & a link to the most recent commit before your submission (This is how we will track your turn in time. We will look at the documents/code/etc available before and including this commit).
- Note on repo project structure—you should have a folder in your repo devoted solely to containing your checkpoint documents and their supporting media.

For each due date, you must have all of the following checked in to your repo:

- `README.md` with **up to date** information on how to set up and run your project. You should include system requirements (e.g. must run on linux, windows 10, etc).
 - You should include an **up to date** list of dependencies required to run and build your project (e.g. boost, fltk, etc)
- `HomeworkX.md` (`Homework3.md`, `Homework4.md`, `Homework5CP.md`, `Homework5Final.md`)
 - This document should include 4 sections, all of which should be detailed. Write each section as a list of items and notes about those things (please do not write these as unstructured text—your goal should be to make these easy for us to read):
 - 1) What you planned on doing for this homework deadline. (Copy + pasted from your previous document)
 - 2) What you actually accomplished for this deadline.
 - a) Note any differences and explain why they occurred. Prefer honesty over excuses.
 - 3) What you had planned to do for the next deadline.
 - a) Any changes you would like to make to this plan for the next deadline and the reasoning behind each change.
 - 4) Screenshots/gifs of where your app/program/etc is currently at. They don't have to be exhaustive but they should adequately depict the current state of your project. Embed these for the relevant sections in your `.md` files.

A word to the wise: the more comprehensive your `HomeworkX.md` is, the higher the chances are that we will be able to assign you a grade corresponding to your efforts. Comprehensive != wordy. Comprehensive == succinct & adequately descriptive.



Meetings & Presentations

You will be required to attend interview grading the final week of class and give a 10 - 15 minute presentation during this week. Your presentations will be notified to you at a later date. Note that this is before your final deadline and you must have a live demo!

Presentation Guidelines

Your presentation should address the following items. Exact amount of time will be released in the weeks after spring break. You should plan on having a power-point style set of slides as well as any appropriate media for your live demo.

1. what is your project
2. live demo of your project
3. an overview of the architecture
4. Any design decisions that you made to begin with then decided to change and why
5. Any design decisions that you made that went particularly well

Make sure that you are targeting your architecture description at an appropriate level for your fellow classmates. They may not be familiar with the exact tools/libraries/etc that you are using so make sure to say what each component does and which other components it communicates with.

