General Instructions on Assignment Submission

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Table 1: Quick checklist for submission of your assignments.

Subject	Item	Penalty
Platform	Windows 10/11+Visual Studio (alternatively, Ubuntu/Linux+GCC+makefile) NVIDIA GeForce GPUs and Intel CPUs 64-bit application: x64 (AMD64)	no credits
Project	No project/solution (or no makefile in Linux)	no credits
	Use *Release* Build (No Debug Build)	-10 pt
	Use /MT flag	-10 pt
	Do not generate Debug Info	-10 pt
	Delete all the temporary files and (hidden) directories	-10 pt
	- e.g., **.vs/**, **.git**, (**hidden** directories)	
	- e.g., **__MACOSX/**, **.DS_Store**	
	- e.g., *.VC.db, *.sdf, *.ipch, *.iobj, *.ipdb	
	- e.g., .obj/, ipch/, Release/, Debug/	
Program	An executable should run without crash.	no credits
	No C++ compilation errors (in your own code)	no credits
	No C++ compilation warnings (in your own code)	-10 pt
Report	(Only for English lecture) Should be written in English	-10 pt
	Use PDF file format (no HWP/DOC/DOCX)	-10 pt
	No embedded code in the report	-10 pt
General	Late or no submission	no credits
	Cheating in any cases (e.g., web, friends, ChatGPT)	F grade
OpenGL (CG only)	Use modern-style OpenGL.	no credits
	No OpenGL shader compilation errors	no credits
	No OpenGL shader compilation warnings	-10 pt

1. Platform

- Mac or Mac-compatible source code are not accepted.
- Submissions are rated in Windows 10/11 machines with Intel CPU and NVIDIA GeForce GPU (with the latest drivers).
- For Linux, Ubuntu is recommended. A makefile should be accompanied. You can assume 3rd-party libraries (e.g., GLFW) are installed (e.g., `sudo apt-get install *`).
- (OpenGL) GPU drivers of Intel/AMD cards are often problematic. I recommend testing a program with NVIDIA drivers.

2. Visual Studio Configuration

First of all, use *the latest* Microsoft Visual Studio Community Edition. Submit the *entire project files*, including executables, source files, header files, and asset files, and

- Configure a project as *Release* Build (otherwise, -10 pt).

How to remove large temporary files VS uses large temporary files and directories; note that *.vs/* and *.git/* are typically hidden.

- Make sure to remove them in submission (otherwise, -10 pt).
- If your zipped file is greater than 1 MB (except for assets), verify that you deleted all the temporary files and directories.
- To permanently move .vs directory out of your project, please use a different *Fallback Location* as shown in Figure 1.
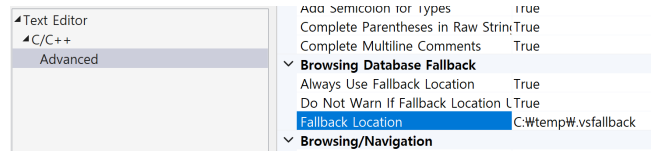

Figure 1: Using fallback location in Visual Studio Option. Make sure the location does not end up with backslash ('\').

How to ensure that your program works without visual studio
Following the next instructions is the easiest way to make sure that your program runs in any other windows machines in which visual studio is not installed. Do what follows in your project properties (right click on project name):

- C/C++ ▷ Code Generation ▷ Runtime Library ▷ Multithreaded (/MT)
- Linker ▷ Debugging ▷ Generate Debug Info ▷ No

3. Implementation

- All the programs for assignments should be compiled without any warnings and errors and run successfully.
- If the program is not compiled, then you will get no credits for the project (including a report).
- If warnings are found during the compilation, you lose 10 pt.
- When the warnings are reported from the external libraries (not from your own code; e.g., `cgut.h`, `cgmath.h`, and `stb_image.h`) or Visual Studio Intellisense, you can safely ignore them.
- All OpenGL programs should follow the *modern style* as taught in the class; do not use *old-style* functions such as glBegin(), glEnd(), glVertex3f(), and glTranslatef(). If the old style is found, you might be suspected of cheating from the web.

4. Report

- The name of the file should be studentid-name-a#.pdf.
- Use PDF file instead of HWP/DOC files (otherwise, -10 pt).
- Ensure to *exclude raw code* in your report (otherwise, -10 pt); in other words, don't copy and paste the code into the report.
- Do not exceed 3 pages in the length (except for the covers).
- (Only for English Lecture) A report should be written in English (otherwise, -10 pt).

An example layout of a report would include Cover (Title, Your department, Your Student ID, Your Name) Algorithms and data structures, and Discussions.

5. General Grading Policy

- Any late submissions after the due are not accepted.
- Use for compression (e.g., *zip*, *7z*, or *rar*), naming as studentid-name-a#.zip (otherwise, -10 pt).
- If cheating is found from any sources (e.g., web, your friends, ChatGPT, or AI-assisted tools), you will not pass this course, getting the *F* grade.