

Programming Assignment 1

COMPUTER GRAPHICS



Submission

Deadline: 23:59:59, Sunday, March 29th, 2020 (KST, +0900)

- Github server clock

To submit your assignment, you **must** do two things. **Both of them must be done BEFORE deadline.**

1. You should push your commit to your assignment repo before deadline.
2. You should comment the last commit (before deadline) id (SHA-1 hash) in Github issue board.
(See next slide)

The last commit **BEFORE** dead line will be considered as submitted assignment.

- Github server will track this for me.
- Timestamp in your commit (local time) will be ignored. (I will use Github server timestamp instead)

Commenting Commit ID 1/2

The screenshot shows the GitHub repository page for 'test2-lazysquid' under the organization 'CGLAB-Classes'. The repository is private and has 1 issue, 0 pull requests, 0 projects, and 0 forks. It was created by GitHub Classroom. The repository has 3 commits, 1 branch, 0 releases, and 1 contributor. The current branch is 'master'. There are buttons for 'New pull request', 'Create new file', 'Upload files', 'Find File', and 'Clone or download'. The commit history shows a commit by 'lazysquid' with the message 'commit2' and a commit ID of 'c604214' 3 hours ago. Below the commit history, there is a file named 'README.md'.

1. Go to your assignment repository
2. Click commits
3. Click copy button of your last commit

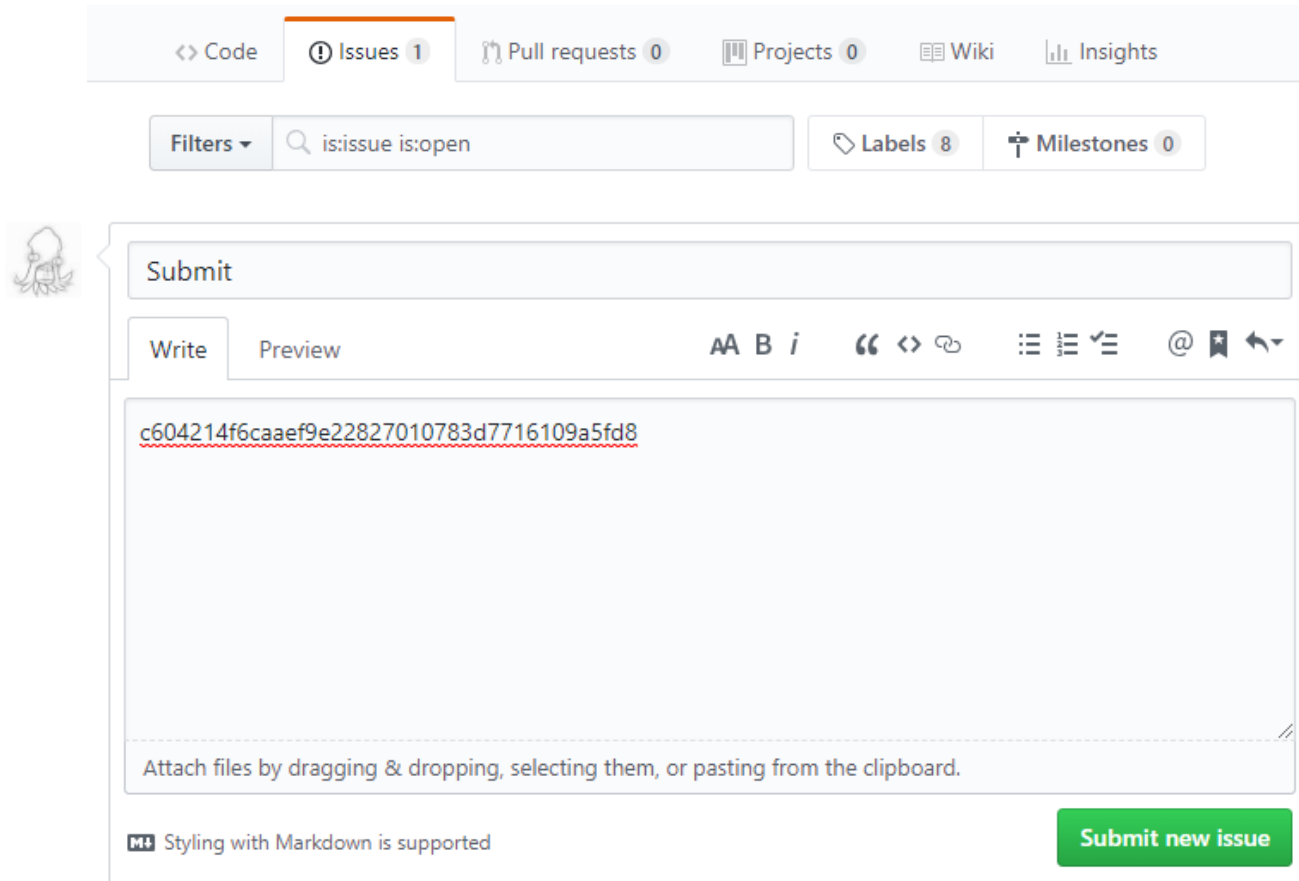
test2-lazysquid

chagne 1 chagne 2

The screenshot shows the commit history of the repository. It lists three commits:

- commit 2**: lazysquid committed 3 hours ago. The commit ID is `c604214`. A red box highlights the copy icon and the commit ID.
- commit 1**: lazysquid committed 3 hours ago. The commit ID is `ea587c0`.
- Initial commit**: lazysquid committed 3 hours ago. The commit ID is `f8b1e5d`.

Commenting Commit ID 2/2



The screenshot shows the GitHub interface for creating a new issue. The 'Issues' tab is selected in the top navigation bar. Below the navigation bar, there are filters for 'is:issue is:open', 8 labels, and 0 milestones. A green 'New issue' button is visible. The main content area shows a 'Submit' button at the top, followed by 'Write' and 'Preview' tabs. The 'Write' tab is active, and the body of the issue contains the commit ID `c604214f6caaf9e22827010783d7716109a5fd8` which is underlined. Below the text area, there is a note: 'Attach files by dragging & dropping, selecting them, or pasting from the clipboard.' At the bottom left, it says 'Styling with Markdown is supported'. At the bottom right, there is a green 'Submit new issue' button.

1. Go to issue tab
2. Click “new issue”
3. Paste your lastest commit id (Ctrl-v)
4. Click “submit new isse”

Policy

In the following cases, your grade for this PA will be 0

- Late submission (Late push before deadline or Late last commit id comment on issue board)
- Build/execution failure
- Making public of your assignment repository
- If you tried to push your commit with force option(Tried to change history of remote server)

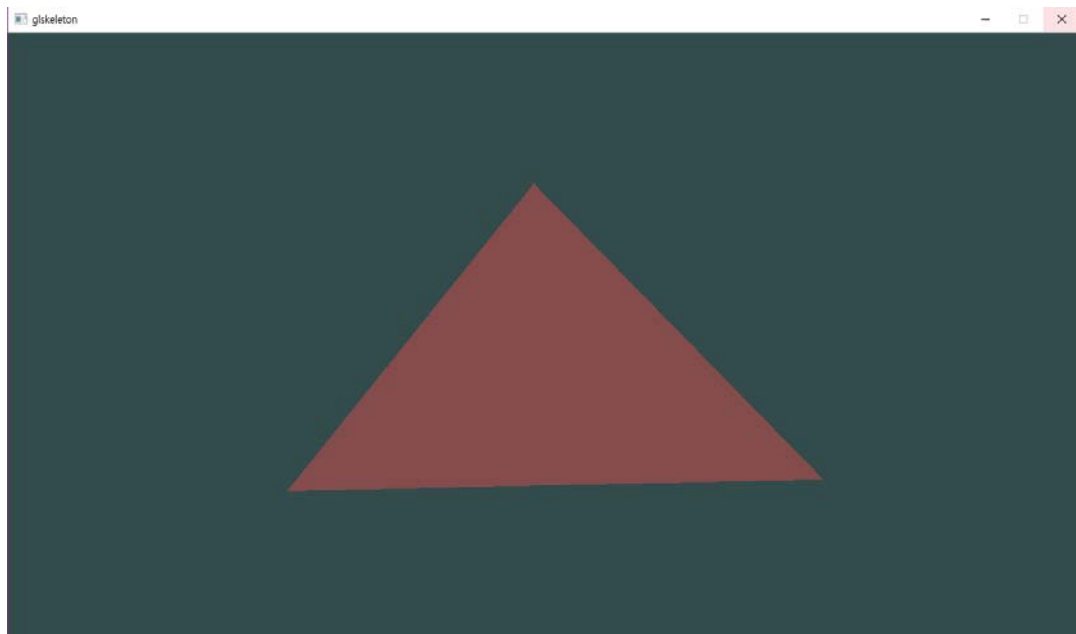
Your final grade will be “F”

- Copy

Task Lists

1. Practice how to use OpenGL basic gl* functions [8 Points]
 - Rotate your triangle with respect to time [4 Points]
 - Change your triangle color with respect to time [4 Points]
 - Hints
 - glfwGetTime function to figure out current time.
 - Use sin and cos function in `<cmath>` (or you can use `glm::sin`, `glm::cos` in `<glm/glm.hpp>`)
2. Report [2 Points]
 - Write your name, student id, github id in report.md [1 Points]
 - Attach at least two result images in report.md [1 Points]

Expected Results



Rotating and dimming triangle

PA1 Link

1. Login to github
2. <https://classroom.github.com/a/6m5IK6k6> go to following link
3. Accept the assignment