Lab 10: Doxygen
CSE 2100-001

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1 Objective and Description

Watch the video posted on YouTube for Lab-10 (Doxygen).

For this lab you will need to use the code that you have extended for the last Lab (Lab-9). In your main project directory, create a *doc* directory (similarly to the video) and place your *Doxyfile* and your documentation in this directory. Your task description is simple: document the entire code (all four source and header files) to create a complete documentation for Lab 9's code. Do not be afraid to look up Doxygen documentation do-s and don't-s on the Internet.

Once you think that you have provided sufficient documentation to the project, demonstrate your documentation to the TA.

Create a *.tgz* archive of your doc folder and turn it in together with the completed version of this document.

1.1 Definitions and Quick Questions

Code Documentation: Replace this text with a brief description of the term (1-2 sentences).

Commenting Code: Replace this text with a brief description of the term (1-2 sentences).

Member function (C++): Replace this text with a brief description of the term (1-2 sentences).

2 Question-1 – Documentation vs. Commenting

What is the difference between commenting code and code documentation?

Replace this text with your response.

3 Question-set-2 – Code Licenses

What are the three most used open source software licenses (research)?

Replace this text with your response.

Describe the main difference between these three licenses (include your references).
Replace this text with your response.

Which one of these licenses would you prefer, and why?
Replace this text with your response.

4 Question-set-3 – Subdirectories

Let's assume that you have several subdirectories under your *src* directory that contain source code. Look into the Doxyfile; what setting should you change for all those source files to be part of the documentation process?

Replace this text with your response.

What can you do if you want all directories below *src* included except for *src/archive*?

Replace this text with your response.