**TCP1101**

**Programming Language Fundamentals**

Assignment Part 2

Deliverables

*Note:* If in case MMLS has problem during submission, you must submit via email to your lecturer before the deadline.

You must make sure that you are contactable until 28 Oct 2020, just in case we need to contact you for any possible issue that may arise related to your assignment or term test.

Things to submit (at 11 Oct): a zipped folder named after the group’s name, without spaces (e.g. Lion, IceHouse, etc.). If a group has no name, use the group leader’s first name (e.g. Muthu, LiewPohWing, MohdKhalid, etc.). Inside the folder should contain:

1. All the **source code** and data files that’s needed to run your program.
2. A **report** (.pdf, .doc, .docx, or .odt).

Submit at 12 Oct:

1. A short **video** (.pdf, .doc, .docx, or .odt).

Source Code

For every function, write clearly the following info at the header:

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Programmer: Ooi Wen Gang, Adam Malik

Name: binarySearch\_v2

task: This searches an array for a particular value.

data in: List of values in an ordered array, the number

of elements in the array, and the value

searched for in the array.

data returned: Position in the array of the value or -1 if value

not found.

Referred to: Gaddis, C++ From Control Structures Through Objects, 8th Ed. Pages 461-3.

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You are expected to **write your own code**. If you learn and use code snippets from other sources like the internet or from books, you must provide the reference(s).

Include also any data file that you know can run well with your program.

Report

The report contains these parts:

1. Each group members’ name, email and phone number.
2. A list of the functions that are written by each member. (One page will do, with function manes under the member’s name.)
3. The structured chart that reflects your current program.
4. Instructions on how to compile your program, and the IDE that you used.
5. Instructions on how to use your program. Some screenshots at the important screens will be very helpful.
6. Any situation that could cause errors in running your program.
7. Conclusion. You can write about what you have learned the most from this project, what could have been done better in future, etc.

Do not create long reports, just include what is necessary.

Video

(Submit at 12 Oct): Every group must prepare a short video of no more than 10 minutes.

1. Name the video as mentioned in page one.
2. Explain the structured chart that reflects your current program.
3. Explain your menu system.
4. Each member briefly explains his/her contributions to the project by demoing the functions that he/she wrote. Show your faces in the video during the presentations.

*End of document*