

Practical Instructions

(these instructions are the same for all practical exams)

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Objective

Use the concepts you have learned so far to complete the given project.

You will download and extract a .zip file containing: a *Visual Studio* solution, project, and code, and then you will write code to satisfy the `// TODO:` comments provided throughout the code. You will compile, run, and test your program to your satisfaction, and when you are finished, you will submit your final solution folder .zipped up. Please read below for submission guidelines.

Rubric

- Any compile errors or runtime crash bugs which prevent the program from compiling and running. -10% (one time)
- The remaining points will be listed in a rubric specific to the practical, which will be available when you downloaded the practical.

Rules

- You may use any notes taken in class or slides from lecture or lab.
- You may use scrap paper and pencil/pen to work out algorithms or computations.
- You may listen to music quietly w/ headphones if it helps you concentrate.
- You may NOT** use any code previously written, whether from lab or personal projects.
- You may NOT** use the Internet, other than to download and submit the practical.
- You may NOT** use a mobile device during the practical exam (other than a tablet placed on the desk to view notes).

If you have any questions at all about the practical, including any of the `// TODO:` comments, please raise your hand and ask the Course Director or a Lab Specialist. We will be happy to explain what you are supposed to be doing, but we will not explain how to do it.

Close ALL instant messaging programs and turn off your mobile device(s). Academic dishonesty will result in a 0 for the practical, and likely the course.

TODO

First, look at the top of all .cs files provided to you, especially *Program.cs*, to find a general explanation of the program and perhaps a plan of attack. Next, you will see that some, if not all, of the .cs files provided to you contain `// TODO:` comments embedded throughout the file. These correspond to tasks that you are expected to complete.

You can see a list of all `// TODO:` comments in a particular file by bringing up your *Task List* in *Visual Studio* (View menu -> Other Windows -> Task List). Double clicking a specific TODO: comment in the *Task List* will take you to the exact line of the corresponding code file. When you complete a `// TODO:` task, you can remove it from this list by deleting the "TODO:" part of the comment. However, please do not delete the entire comment text, as we use it as a placeholder to find the code you have written.

Submission (Turn-in)

Follow these instructions:

- Close *Visual Studio*
- Compress ("zip up") your solution folder into a new .zip file (the solution folder is the folder that contains your solution .sln file)
- Submit this new .zip file
- Once you have uploaded your file, download it again, extract it, and make sure it compiles and runs, to make sure you have submitted a working submission. You can also ask a Lab Specialist to verify that your submission is correct.

Submissions are disabled after the allotted time is up. So make sure you give yourself plenty of time to submit at the end.