

Written Homework #4

CS 162: Introduction to Computer Science

Submit your assignment to the **D2L Dropbox**

1. Test Plan:

When we write software in industry, it is often the case that a different group of people will be testing the software many times in parallel with the software developers' work. To do this, test plans must be created from the original specifications (specifying how the software is supposed to behave) so that everyone is aware of what is expected and how it should behave.

Read Program #4 and assume that this program is your "specification". Before even considering how you are going to implement the software, create a test plan for the required functionality. Plan out what should happen for all of the values that the user should type in. Consider all possible conditions in this program. Think of it as a list of all of the types of information the user should enter and what the expected results will be. You may model this after the test plans we begin to work with in lab. *I would suggest building a table such as this:*

Test Case(s)	Expected Result	Verified Results

2. **Ethics.** There are many aspects of computer ethics. Ethical issues can include user friendliness, security and identity theft, and internet ethics. Now let's talk about what you think is ethical vs. unethical behavior for working with social media and email. What is ethical to be posted and what is not? Is it ethical to forward someone's email to another person? Why or why not? For Write 5 complete sentences with *your thoughts*.