Homework 1

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Question:

1.4. Many modern applications change frequently—before they are presented to the end user and then after the first version has been put into use. Suggest a few ways to build software to stop deterioration due to change.

Answer:

Make sure that software is designed so that changes in one part of a program do not create side-effects in another part of the program.

Make sure that software is designed so that it does not depend on external devices or systems that are likely to change with time.

Make sure test cases and results are archived and available so that the software can be retested when changes are made.

Make sure you spend time understanding what the customer wants.