Case Study 1

Case Study 1 addresses a simple software maintenance challenge and should help you to understand the necessity of the maintenance process and the methodology.

Scenario:

Your boss told you to update an old and existing software which was used a long, long time ago but was stopped because the French volunteer who created the software quits the internship before the application was tested. However based on the money already spent to the software your boss wants you to reuse the available system. The boss of your boss, however does not really like java (nobody knows why) and decides that new software is written in C#. So your task is to update the existing software and to add new features because processes have changed. Some colleagues also told you, that the old software never worked well, because some errors in the calculation were done.

New Processes make it necessary to also implement a conversion to Rankine temperature unit as well as Newton's temperature unit.

Your boss also wants to have a GUI based Application but is not sure how the GUI should look like, so you should prepare the possibility to do all the conversions based on a GUI without creating the GUI itself.

Your boss also wants to be able to add new temperature conversions very, very easy to the new application.

You should use an iterative approach for your maintenance steps, so that user can use the system before you finished all the tasks.

Your boss wants to know the point of no return (perhaps there are more than one?)

Your Task

1) Create the new System as described in the scenario.
2) Write a critical resume about the process and steps.

And always remember, don't guess, just ask! ;-)