1st Oct. 2007

Good morning,

Due to your excellent work as a software engineer in your company, Excellent-Software GmbH, and your experience in the application field, you have been promoted to a software project leader. You could not gather too much experience in that area in the past, however, your boss is confident that you will manage the new project well. So, he expects you and your group to deliver the product on time and, of course, with the desired quality.

Your first assignment is the development of a new registration system for the "Technikum Kaernten". Besides others, they also want to get the registration department ready for some important change-overs planned in fall next year.

A former colleague has already met the customer several times. He assumed to have collected all customer requirements. He has also taken some notes. Based on his requirements analysis, a cost estimation was performed. The system comprises about **60 Adjusted Function Points** (AFP). Since the system should be implemented using Ada95 this corresponds to approximately **2700 lines of code** (LOC).

Since the system must reflect the change-overs planned in your customer's company, you must end the project at last on **26th Jan. 2008**. This means you must complete the project in **4 months**. An extension of time is hardly possible. Until then, the customer requires a product which satisfies his requirements concerning the completeness and correctness of the system (see below).

Because of the narrow time plan, the customer will agree to a compromise and gives you a budget of **110000.0 EUR**.

There are already three developers (Susanne Jaeger, Daniel Wakounig and Andreas Bollin) assigned to your project.
You don't need to choose notations for the different documents. The customer has already decided that the code must be written in Ada95. This is also true for all possible internal and external documents.

And now: Good Luck!

Since the accountancy is very important, the customer requires that the Code contains at least **95.0 percent** of all his requirements.

Furthermore, the customer demands that the code contains at most **16.0 error(s)** per 1000 lines of code. He will control that by performing an acceptance test. In cases the accounting system produces wrong results caused by software errors, this may ruin your customer.

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