

1 Task 1

Identify ambiguities or omissions in the requirements for a part of a ticket issuing system.

Consider both functional and non-functional requirements. “A ticket issuing system is intended to automate the sale of rail tickets. Users select their destination, and input a credit card and a personal identification number. The aril ticket is issued and the credit card account charged with its cost. When the user presses the start button, a menu display of potential destinations is activated along with a message to the user to select a destination. Once a destination has been selected, users are requested to input their credit card. Its validity is checked and the user is then requested to input a personal identifier. When the credit transaction has been validated, the ticket is issued.”

2 Task 2

A system that supports taxi agency has to be prepared:

- A) Identify stakeholders
- B) Select one stakeholder and prepare an interview (write at least 6 important questions)
- C) Write specification of at least 3 different non-functional requirements of the system
- D) Write specification of at least 3 different non-functional requirements of the system Estimate priorities using one of methods: cumulative votes with buying ideas, or 3-stage voting with weights (e.g. 9-5-3). For example, five functional requirements have been identified, a group of 4 stakeholders is available. Take assumptions about stakeholders, if necessary.

3 Task 3

In a project, problems with a staff recruitment are quit probable (50%) and may cause serious effects (10 weeks delay). A hardware to be tested could

be not available on time (25%, 4 weeks delay). Calculate the global risk.

We can hire another person for 20 weeks (cost \$200/week), which lower the staff risk to 30%.

Or we can borrow a hardware in another company for 500\$ avoiding the second risk. Compare the final costs in both situations. Justify any business decision (to do nothing, or to cope with one of the risks, or both).

A fine of a late project is about 1000\$ per week.

4 Task 4

In the Cocomo model the number of persons involved in the project is the same during the whole project realization time. True, False or elsewhere? Justify the answer.