Tutorial 04: Requirements Engineering

Instructions:

Prepare the answers with a PowerPoint file. State your names and student ID on the file.

Q1. What are user requirements and system requirements?

Q2. What is the distinction between functional and non-functional requirements?

Q3. Discover ambiguities or omissions in the following statement of requirements for part of a ticket-issuing system:

An automated ticket-issuing system sells rail tickets. Users select their destination and input a credit card and a personal identification number.

The rail ticket is issued and their credit card account charged. 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.

Q4. Write a set of non-functional requirements for ticket-issuing system, setting out its expected reliability and its response time.