1. Identify and briefly describe four types of requirements that may be defined for a computer based system.
2. Indicate whether the following is considered functional or non-functional requirement:
   a) The system enables users to place lunch orders.
   b) The system always responds to user clicks in less than one tenth of a second.
   c) The system displays a list of hotel vacancies.
   d) The system notifies the user when a new order arrives.
3. Which of the following is non-functional requirement:
   a) What does the system do?
   b) When does the system do it?
   c) Where does the system do it?
   d) Why does the system do it?
   e) How well does the system do it?
4. Write a set of non-functional requirements for the ticket-issuing system, setting out its expected reliability and its response time:

   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.
5. Suggest how an engineer responsible for drawing up a system requirements specification might keep track of the relationships between functional and non-functional requirements.
6. Describe four types of non-functional requirements that may be placed on a system. Give examples of each of these types of requirement.
7. Suggest who might be stakeholders in a university student records system. Explain why it is almost inevitable that the requirements of different stakeholders will conflict in some way.