Practical 5: Requirements Determination, Part 1

Important note: Your submission for the practical should be typed. Handwritten submissions will **not** be marked by the demonstrators. Please type your name, student registration number and the practical session you attend on your submission.

1. Read the following description of a requirement for FoodCo and decide which parts of it are functional requirements and which are non-functional requirements.

   The allocation of staff to production lines should be mostly automated. A process will be run once a week to carry out the allocation based on the skills and experience of operatives. Details of holidays and sick leave will also be taken into account. A first draft Allocation List will be printed off by 12.00 noon on Friday for the following week. Only staff in Production planning will be able to amend the automatic allocation to fine-tune the list. Once the amendments have been made, the final Allocation List must be printed by 5.00 pm. The system must be able to handle allocation of 100 operatives at present, and should be capable of expansion to handle double that number.

2. Describe what steps would you take to prepare and conduct observation as a requirements determination technique? What practical guidelines would you apply?

3. Requirements elicitation techniques are classified into two categories: traditional and modern ones. Which particular techniques belong to each category? What determines which category of techniques is better suited for a particular project? The fact that a particular category of techniques is better suited for a particular project means that the emphasis will be placed on techniques belonging in this category, but what are the criteria we use to select the appropriate mix of techniques? Choose one of the techniques and show how it measures up in each of these criteria.

4. What is meant by the scope of a system? How can we determine the scope of a system?