

# Information Systems Analysis & Design (M8748)

## Tutorial 12

1. What are the advantages of separating the analysis and design phases of a project?
2. What are the advantages of an iterative life cycle?
3. Users at Agate require a report of unpaid campaigns. Which of the following aspects of the report represents analysis, logical design and physical design?  
*The size of the paper and the position of each field in the report.*  
*The fact that the user wants a report of completed campaigns that have not yet been paid for by the client.*  
*The selection of the business objects and their attributes used by the report.*
4. Which of the following sentences describing an element of the FoodCo system represents analysis, logical design and physical design?  
*The reason for stopping a run will be selected from one of the values displayed in a listbox (Java Choice) in the Record Line Stop dialogue window.*  
*When a production line stops during a run, the reason for stopping will be recorded.*  
*The reason for stopping a run will be entered into the system by selecting from a list of valid reasons.*
5. What is meant by seamlessness in object-oriented systems development?
6. What are the differences between system design and detailed design?
7. Explain the difference between cohesion and coupling.
8. What aspects of the system are added to the class diagram(s) in object-oriented detailed design?
9. List four quality criteria for good analysis.
10. List twelve quality criteria for good design.
11. Re-read the description of the FoodCo case study in Case Study 81. Identify any constraints that you think might be imposed on the design of the new system.

12. Based on the same information try to identify possible measurable objectives for the new FoodCo system.
  
13. Agate wants the new system to provide access to the same data from every office around the world. Maintaining a network that is constantly connected between all the offices is considered too expensive, and using a network that dials up remote offices as required, would provide response times that are too slow. What kind of compromise solution can you come up with to this problem??