

ASSIGNMENT 2

Also refer to chapter 9 on “Process Modelling”.

You need to work in your project groups to answer these questions.

1. Get together and revise your process modelling – keeping the nine steps referred to in fig 9-13 (p 336) and listed on p 335 in mind. Include your system’s logical DFD’s.
2. Explain what application architecture is to your non-technical users (client).
3. Explain the differences between physical and logical DFD’s.
4. Refer to which basic shapes and connections do physical DFD use other than that used by logical DFD’s. Use the information supplied on p 319-330 and in fig 13-2 & 13-3 (p 482-483). [TIP: This is a valuable tool to use when answering similar questions, so make some effort in creating a professional looking compact document].
5. Draw the physical DFD’s for your system. You may decide to share the workload among your team members on this question.

Take the following into consideration:

- Will the system be centralised or distributed?
- Will the database be distributed?
- What are the user and system interface alternatives?
- What will the software development environment be?
- Indicate people/computer boundaries

Note: It would be a good idea to look at the real needs of your system and not what you plan to implement (maybe a simplified version of the real system) to obtain the learning benefit from a more complex environment.

IMPORTANT OPTION: One group member may submit the group’s work. **ON ONE CONDITION** – in addition to the **project name, group name**, as well as the **member names** on the report; it should also be clear **who did which step (or part of it) of this process modelling strategy**. It is important to note that your group runs the risk of getting only part of your marks if you do not follow these guidelines. Also, if the appointed group member does not submit the assignment, the whole group will get a **NO MARK**.

MARK SCHEME:

Items	Mark allocation	Comments
Revised logical DFD’s (q 1)	/1	
Explanations (q 2&3)	/1	
DFD logical and physical shapes (q 4)	/2	
Physical DFD’s	/5	
Presentation	/1	
TOTAL	/10	