Tutorial task 1:

**Draw levelled data flow diagrams for the following situation:**

A video library lends videotapes to borrowers who must be authorised members. When videos are borrowed and returned, the library staff must place them back on the appropriate shelf for other people to borrow. Late returns are penalised with a fine. The library staff must keep track of fines due and those which have been paid. Videos which are worn or damaged and those which are no longer popular must be removed from the stock. The library staff must search through catalogues of new releases to find videos which might be popular with the library’s members. When these new videotapes arrive, they must be classified into one of several groups (eg. children’s, drama, comedy) to create catalogue entries and assign a video number for borrowing.

Tutorial task 2:

**Discuss the Assignment (will continue in week 9)**

1. System model
2. Context diagram for the whole "The Loaded Brush" business;
3. Level zero diagram for the whole business; how to partition "The Loaded Brush"
4. a level 1 diagram for each level zero process; which level zero processes can be decomposed? - How to partition each task