

Semester 1, 2018**Tutorial 5****Case: Personal Trainer, Inc.**

Personal Trainer, Inc. owns and operates fitness centres in a dozen Midwestern cities. The centres have done well, and the company is planning an international expansion by opening a new “supercentre” in the Sydney area. Personal Trainer’s president, Cassia Umi, hired an IT consultant, Susan Park, to help develop an information system for the new facility. During the project, Susan will work closely with Gray Lewis, who will manage the new operation.

Background

Susan Park has completed a preliminary investigation and performed the fact-finding tasks that were described in Tutorial 2 and 4. Now, she will use the results to develop a logical model of the proposed information system.

Tasks

Before you perform the following tasks, you should review the information provided in Tutorial 2 and 4 of the case.

1. Prepare a context diagram for the new system.
2. Prepare a diagram 0 DFD for the new system.
3. Write a brief memo that explains at least five attributes that you can use to define a process in the order system.
4. Write a brief memo that explains at least five attributes that you can use to define an entity in the order system.