CSE1204 – Information Systems 1  
Tutorial 10 – Process Modelling: Detailed Process Definitions

Tutorial Objectives:
- to develop a basic understanding of techniques for creating minispecs
- to develop a basic understanding of the data dictionary
- to practise skills in creating minispecs and data dictionary entries for data flow diagrams

Tutorial Task:

1. Read the following description and represent the invoice processing using:
   a) a decision table
   b) structured English.

   The accounts department at Monash Trading has a number of clerks dealing with the processing of invoices. The current manual system has evolved over a number of years and with the possibility of the installation of a computer system, a systems analyst is trying to document this processing.

   As orders for customers are filled, the value of the customer invoice is checked and if it is over $500 then a further check is made to ascertain whether there are any unpaid invoices outstanding for more than 60 days. If any amounts are found to be unpaid for more than 60 days, confirmation of the invoice is held over until the debt is resolved. Goods cannot be sent out until the invoice is confirmed. If, however, there are no outstanding amounts, the account is deemed to be in good standing, the invoice is confirmed, and the goods and the invoice are sent to the customer.

   If the value of the invoice is less than $500, a check is still made to ascertain whether there are any unpaid invoices outstanding for more than 60 days. If there are, the invoice is confirmed and the goods and invoice are sent to the customer, but a note is written on the credit action report in case there are any further orders from that customer. If there are no outstanding debts, the account is deemed to be in good standing, the invoice is confirmed, and the goods and invoice are sent to the customer.

2. Create data dictionary entries as specified by your tutor for:
   a) one data flow
   b) one data store
   c) one data process (use an example from the Assignment)