

CISC 225 - System Analysis and Design

**Final Project (Task 3)**

Step 1: draw a context diagram for your final project.

Diagram, schematic

Description automatically generated

Step 2: use your context diagram to draw a diagram 0 DFD for your project.

**Validation**

1. Is every data flow attached to a process at either the beginning or the end of the arrow?
2. Is every data-flow labelled with a sensible noun?
3. Does every process have at least one input and at least one output?
4. Is every process named sensibly (no uses of words such as “process” or “handle”) with an action and what is acted upon? (The template is “Do something to something”)
5. Is every data store named with the type of thing it stores in the plural?
6. Where data stores and external entities have been shown several times on one diagram, do all instances have a “diagonal” line?
7. Are there any data-flows that cross? If so, try to add more duplicate external entities or data stores to avoid the crossing.
8. Do all diagrams balance? That is, where a diagram expands a process in a higher level, are the inputs and outputs to the process identical to the inputs and outputs on the expanded, lower level diagram?
9. Are all external entities shown on both the context diagram and level one diagram?
10. Are all of the processes and data stores numbered correctly?

