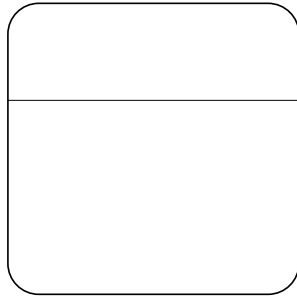


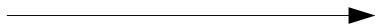
Data Flow Diagrams (DFD)

is a picture of the movement of data
between external entities and the
processes and data stores within a
system

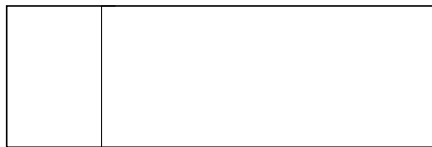
DFD Symbols (Gane & Sarson)



Process



Data Flow

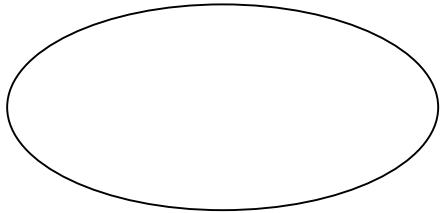


Data Store

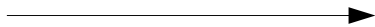


Source/Sink (External Entity)

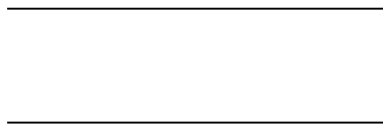
DFD Symbols (DeMarco & Yourdan)



Process



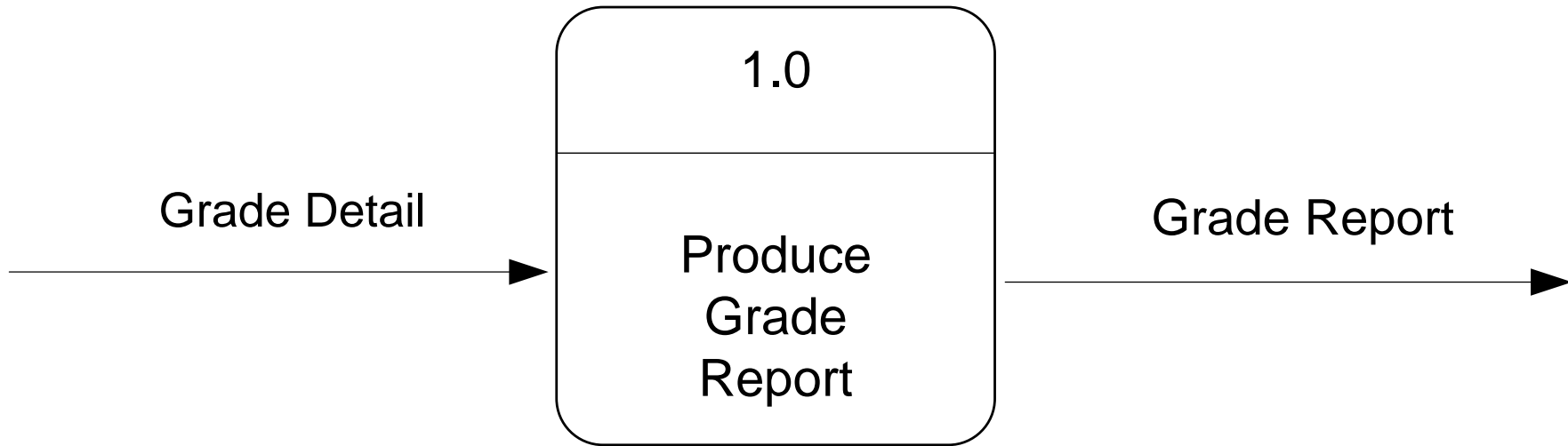
Data Flow



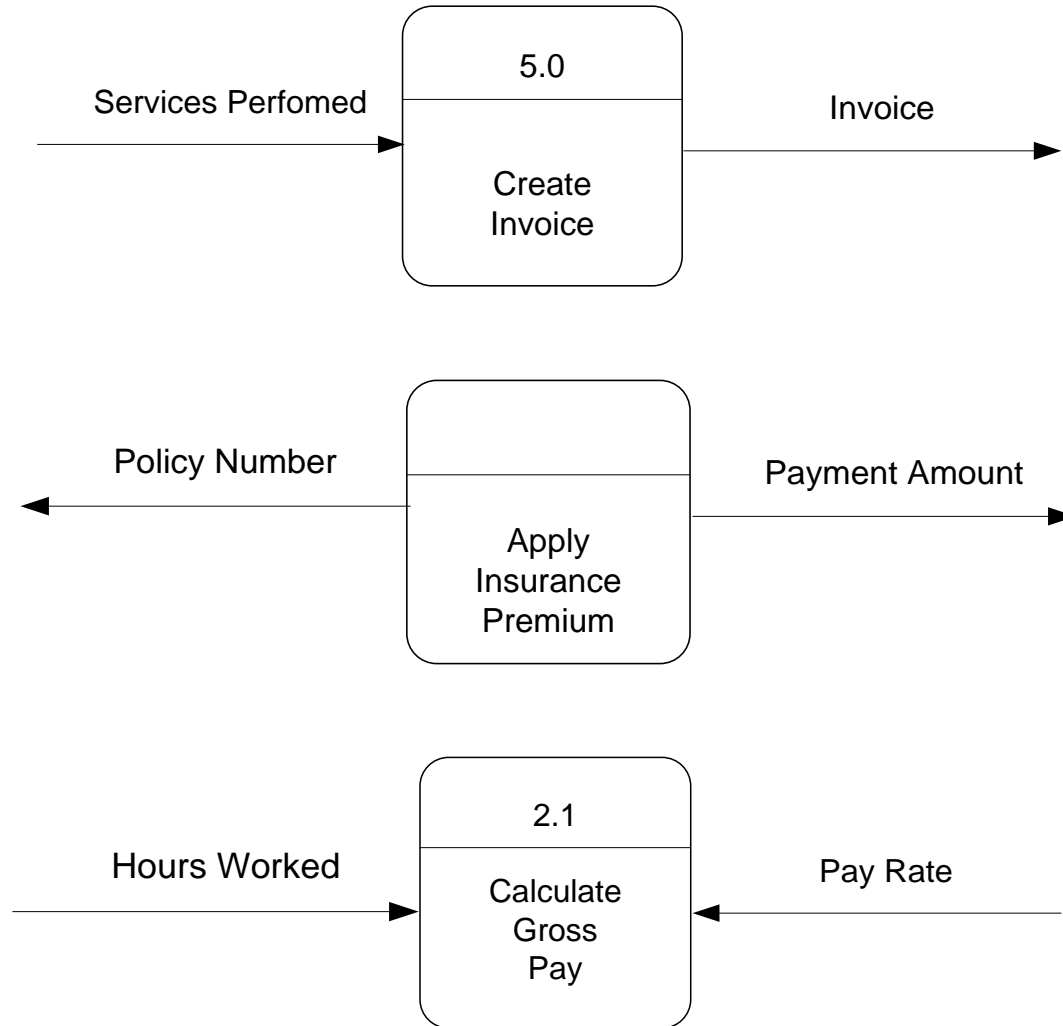
Data Store



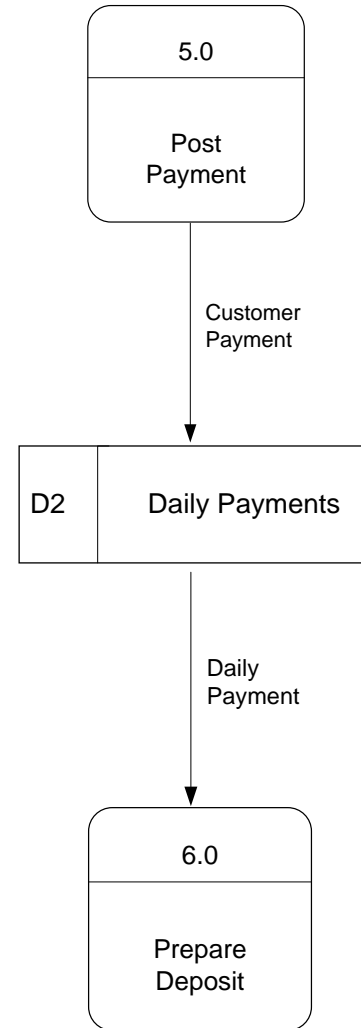
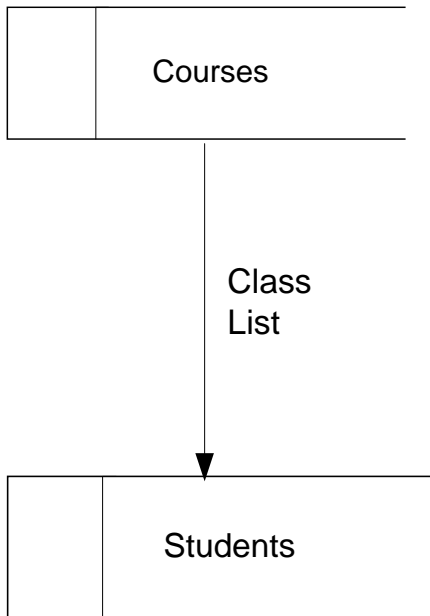
Source/Sink (External Entity)



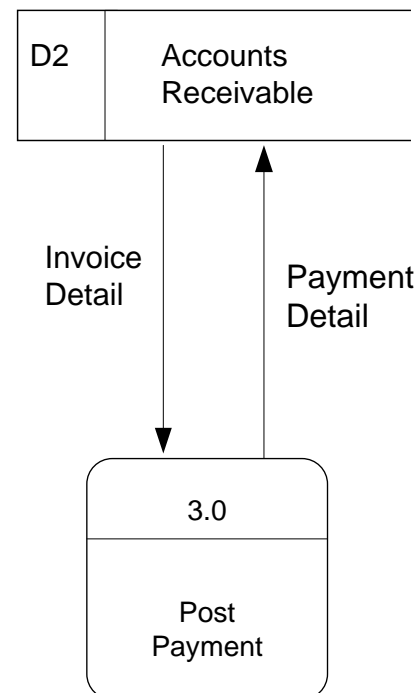
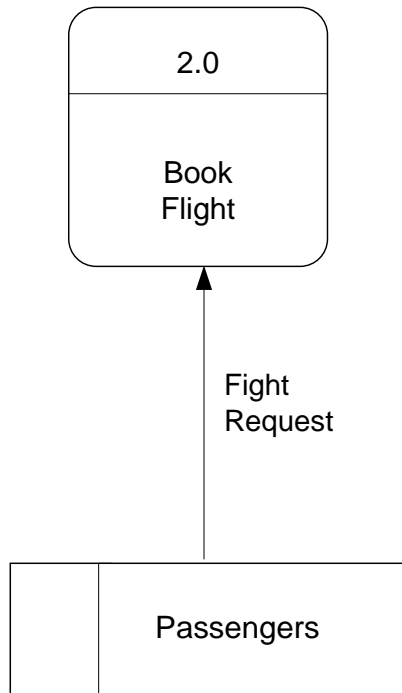
Process: Correct/Incorrect?



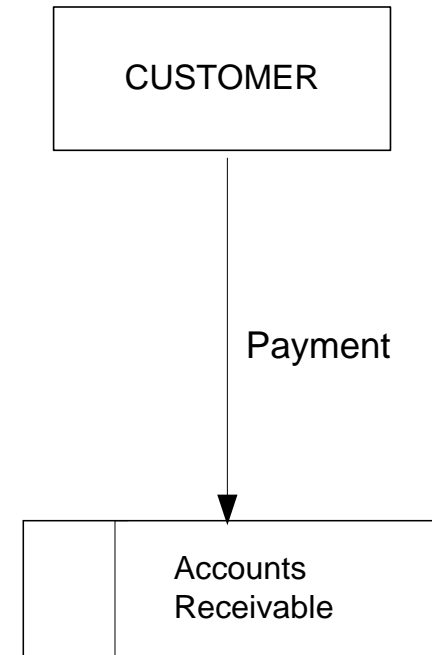
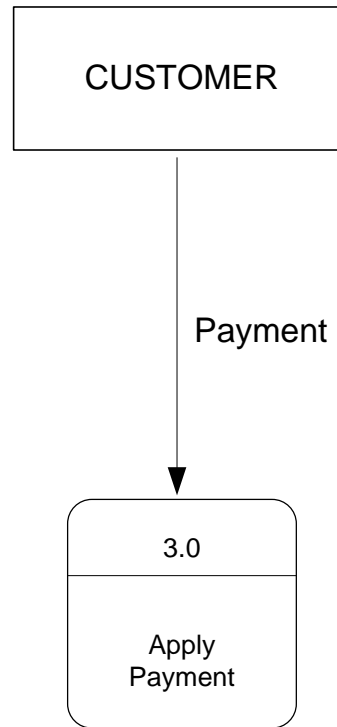
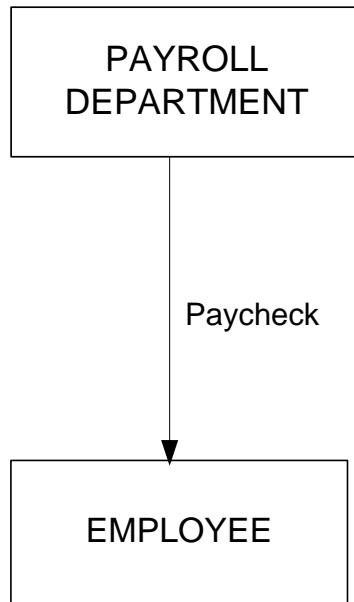
Data Flow: Correct/Incorrect?



Data Store: Correct/Incorrect?



Source/Sink: Correct/Incorrect?

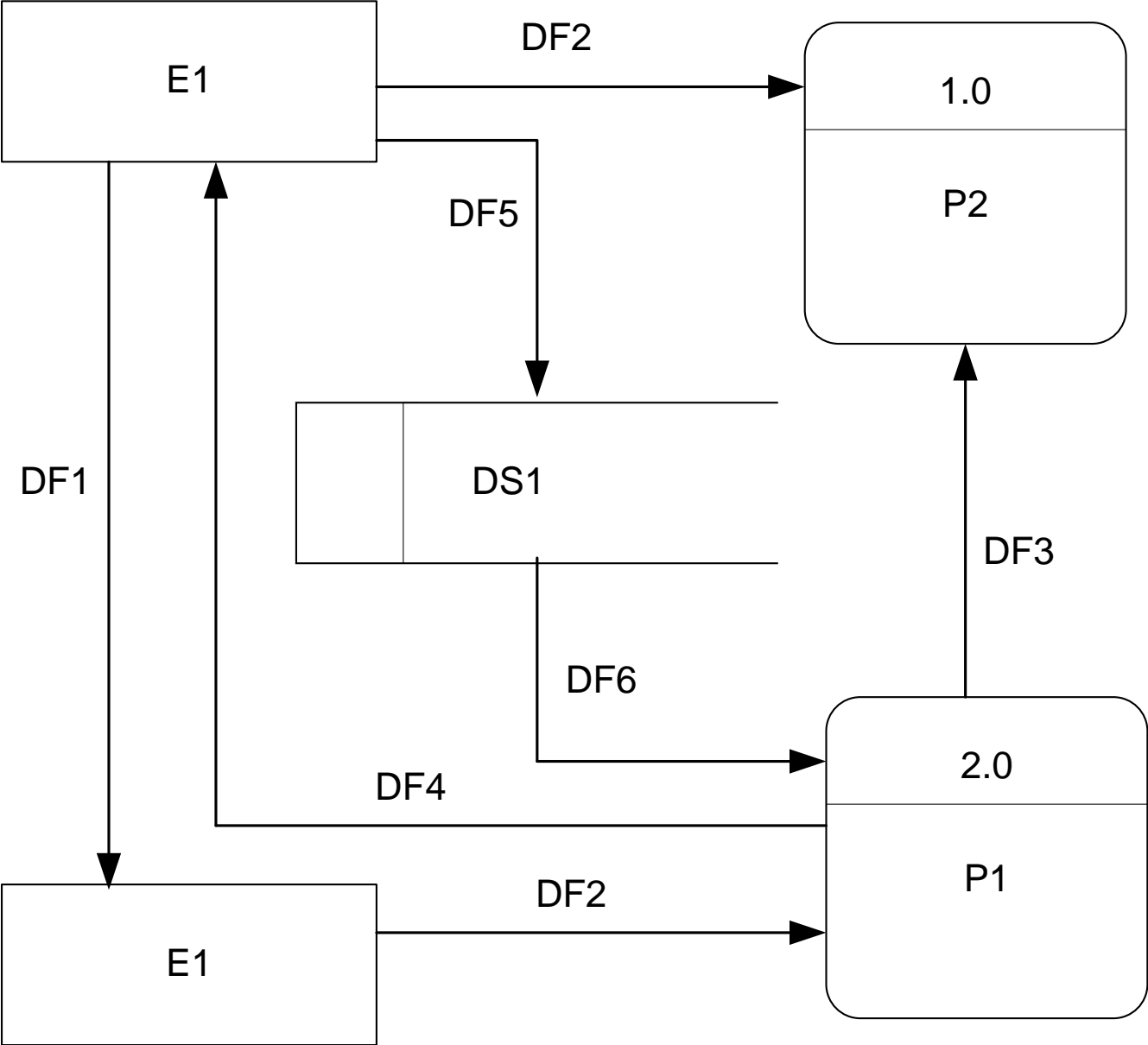


Rules for Using DFD Symbols

- Data Flow That Connects

A process to another process		
A process to an external entity		
A process to a data store		
An external entity to another external entity		
An external entity to a data store		
A data store to another data store		

List the errors of this DFD



Level-0 DFD

- Shows the system's major processes, data flows, and data stores at a high level of abstraction
- When the Context Diagram is expanded into DFD level-0, all the connections that flow into and out of process 0 needs to be retained.

Level 1 Diagrams

- Shows all the processes that comprise a single process on the level 0 diagram
- Shows how information moves from and to each of these processes
- Shows in more detail the content of higher level process
- Level 1 diagrams may not be needed for all level 0 processes