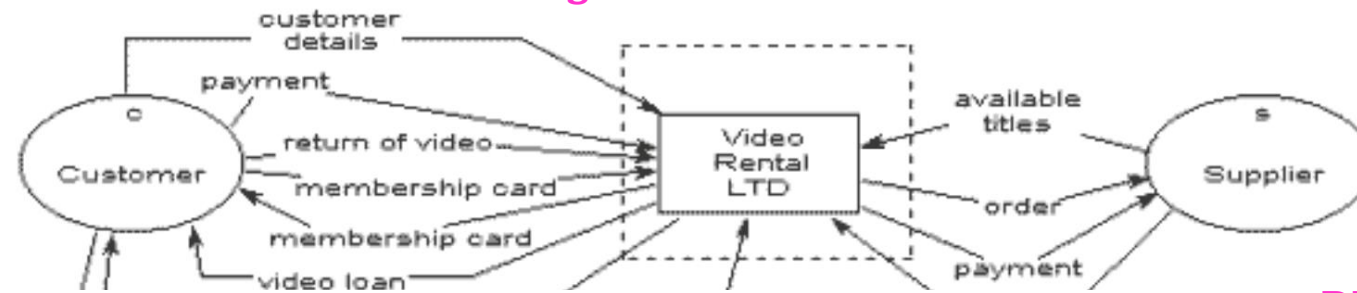


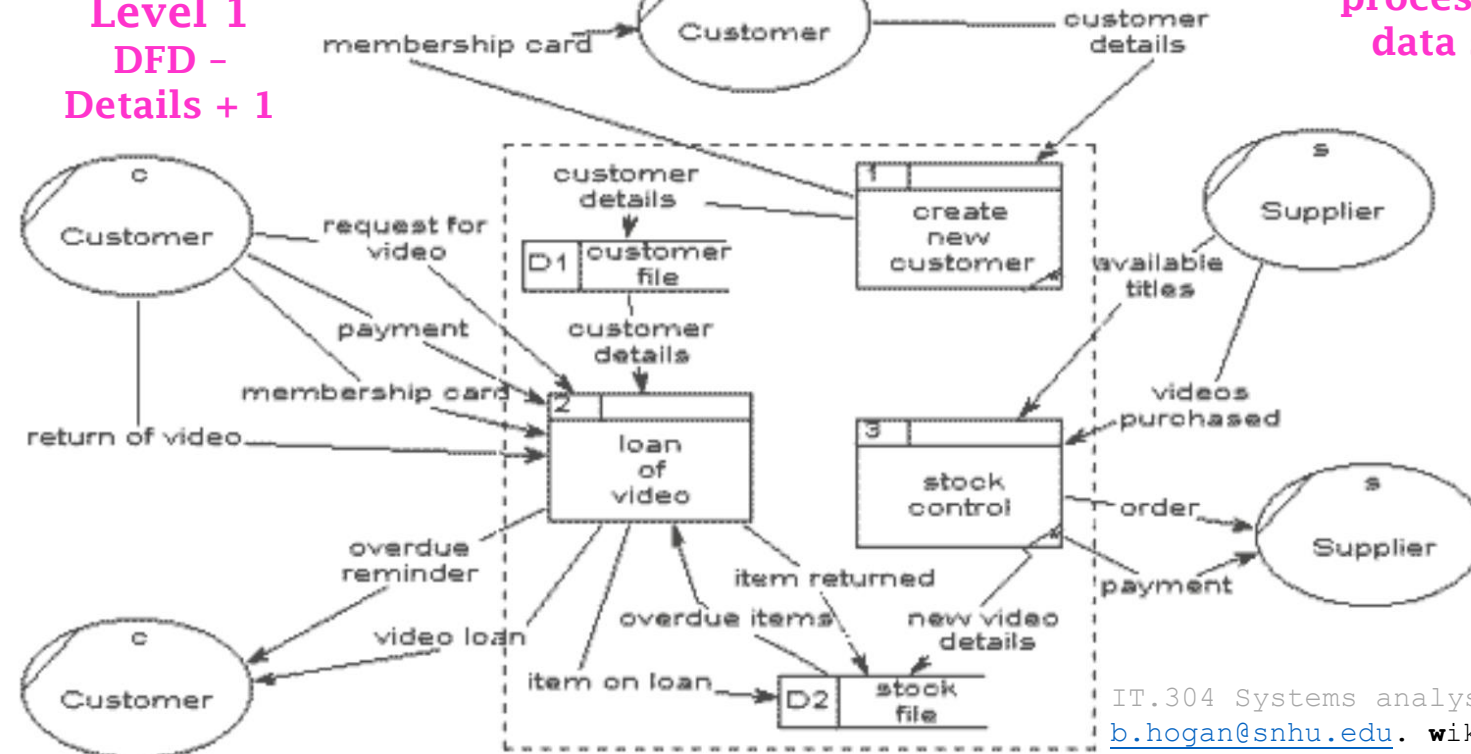
Model.4: Data Flow Diagramming <[sparx-models](#)> <[website](#)> <[how.to.doc](#) [VG]> <[how.to.video](#)> <[wikipedia](#)>

Purpose: process of representing simplified data transactions to help process and stakeholder owners agree on scope and boundaries of a systems analysis and design reengineering effort. Level 0 is the highlevel context. Key tasks are detailed in level 1 indicating storage medium and transactions. Level 2 specifies transactions and their storage.

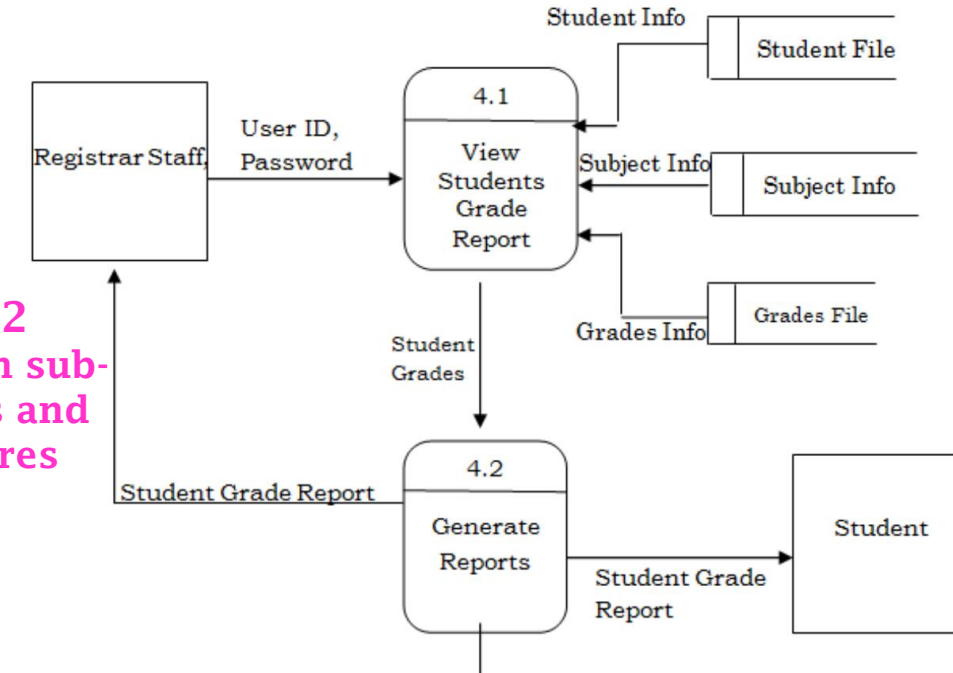
Level 0 - DFD - Context Diagram



Level 1 DFD - Details + 1



Level 2 DFD - main sub-processes and data stores



- **Context diagrams** — context diagram DFDs are diagrams that present an overview of the system and its interaction with the rest of the “world”.
- **Level 1 data-flow diagrams** — present a more detailed view of the system than context diagrams, by showing the main sub-processes and stores of data that make up the system as a whole.
- **Level 2 (and lower) data-flow diagrams** — a major advantage of the data-flow modelling technique is that, through a technique called “levelling”, the detailed complexity of real world systems can be managed and modeled in a hierarchy of abstractions. Certain elements of any dataflow diagram can be decomposed (“exploded”) into a more detailed model a level lower in the hierarchy.