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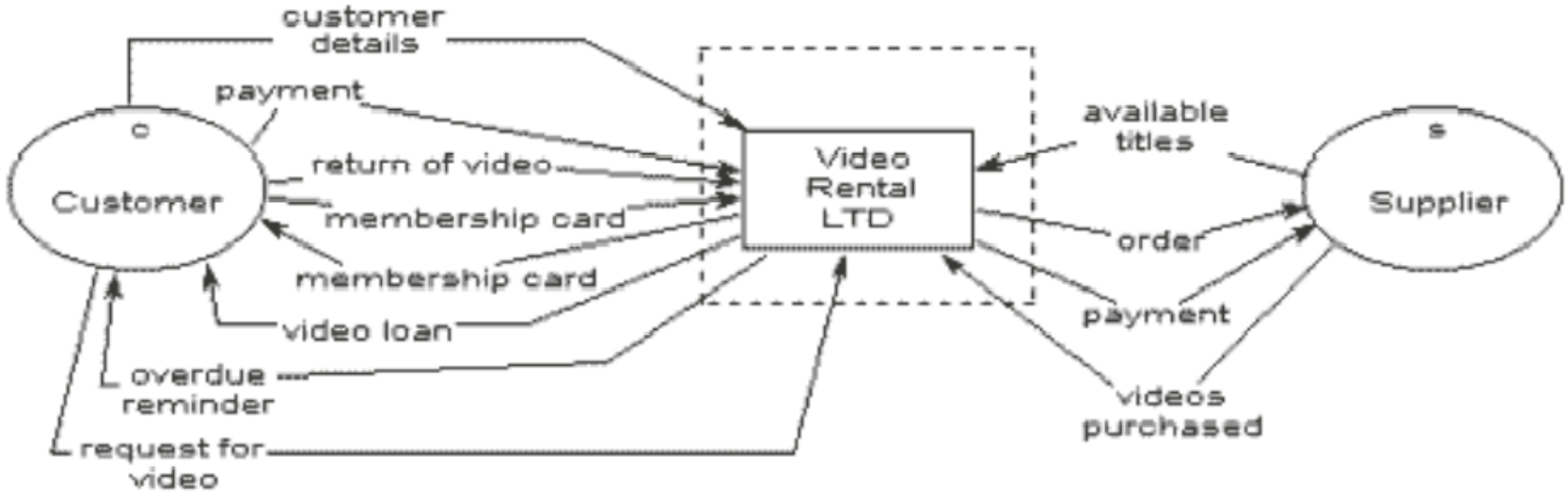
Software Engineering

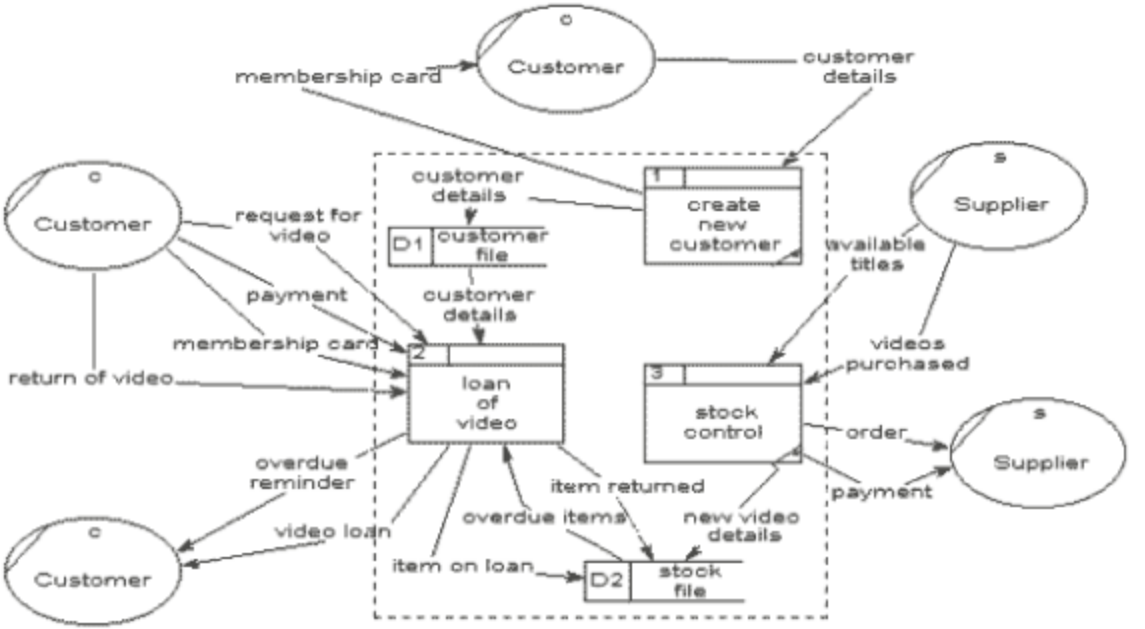
Sessional Assignment- Spring 2020

1/Q1

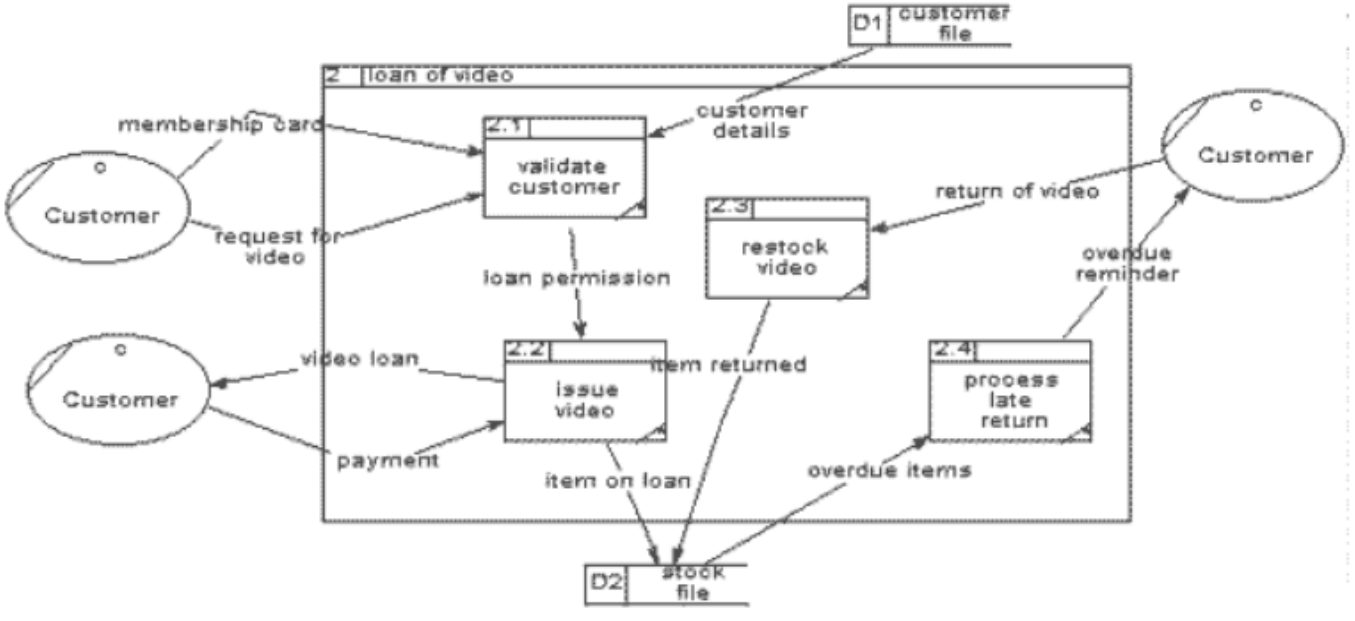
A context diagram for Video-Rental LTD



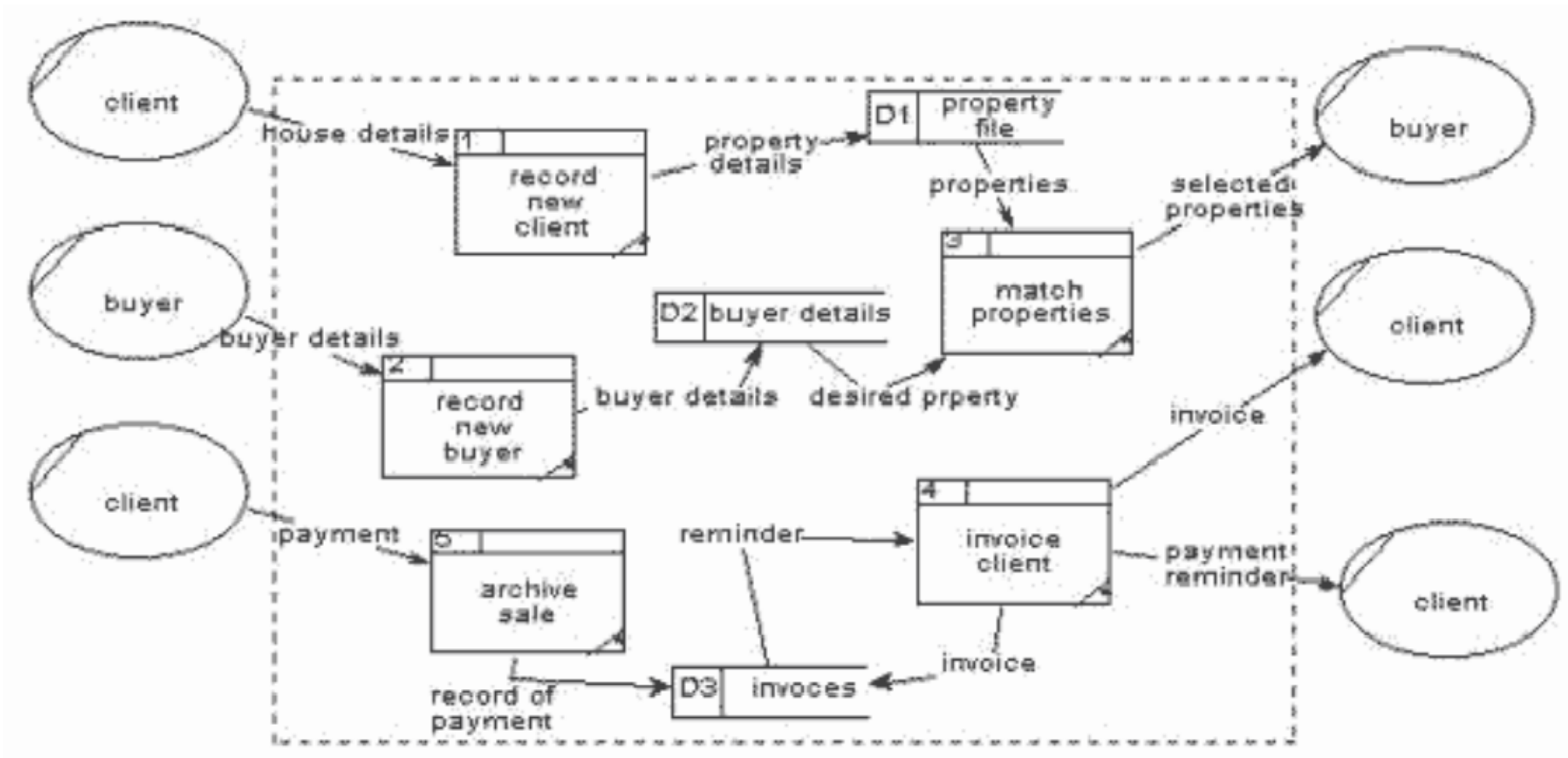
1/Q2 **A level 1 DFD for Video-Rental LTD**



1/Q3 A level 2 data-flow diagram for Video-Rental LTD



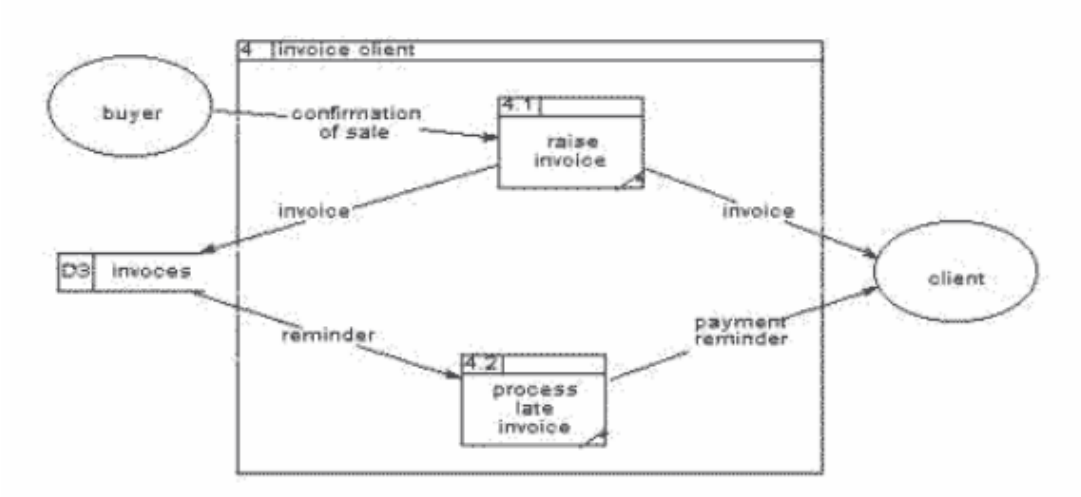
Q2 Level 1 DFDs for this Estate Agency case study



Q2 Level 2 DFDs for this Estate Agency case study

we need to delete this "client to delete" data-flow from the Level 2 DFD, and change the Level 1 DFD to have this data-flow from "achieve sale" to the "property file".

Adding these processes and data-flows to the diagram we get the following:



- **Identify any data stores** that exist entirely within the Level 2 boundary, and draw these data stores. For this example there don't appear to be any "local" data stores

- **Identify data-flows** between the processes and data stores that are entirely within the Level 2 system boundary. Since there are no local data stores, there are no data-flows between processes and data stores to be added.

- **Check the diagram.** There appear to be no inconsistencies with the diagram, so our final diagram stays the same.

Q3 Based on your experience with a bank ATM, draw an activity diagram that models the data processing involved when a customer withdraws cash from the machine.