Sequence d'agram

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Describes en more detail a scenario in a

use case

- created from the text of the use case

- sequence d'agram is a simplified version

useful for requirement Analysis.

A system sequence diagram (SSD) is a fast and easily related artifact that illustrates input and output events related to the systems under discussion.

They are input to operation commacts and most impostantly object design

Constructing sequence d'agram

step 1: Designate actors and business system
who is taking part?

Step 2: Designate initiators - who start interactions? Step 3: Describe the medage exchange blod actors and business system - which manages are being exchanged?



step 4: identify the course of interactions, what is the order?

step 5: Insert additional information - what else is important?

Step 6: Verify the View - Is everything correct?

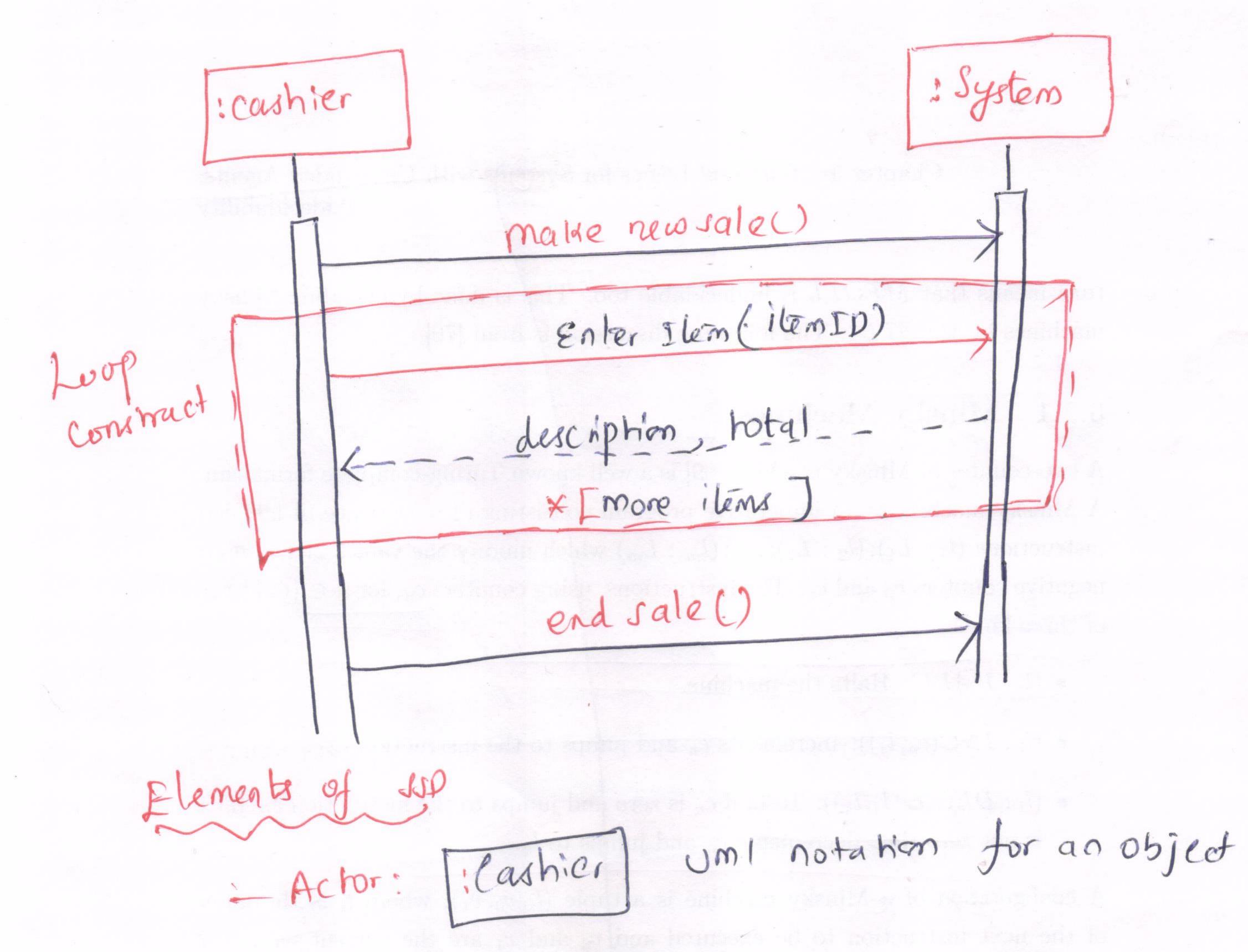
Sequence diagram

Sequence d'agram illustrate the intéractions between actoirs and business System.

Example: process sale for pos system

stalements.

- · Cushomer amires with goods
- o Cashier starts a new sale
- a Repeat until done:
 - cashier enten ilemid
- System records sale line item and presents description and running hotal.



- System Events:

- Cashieo generates make now sale, enterstom and end sale system & rents

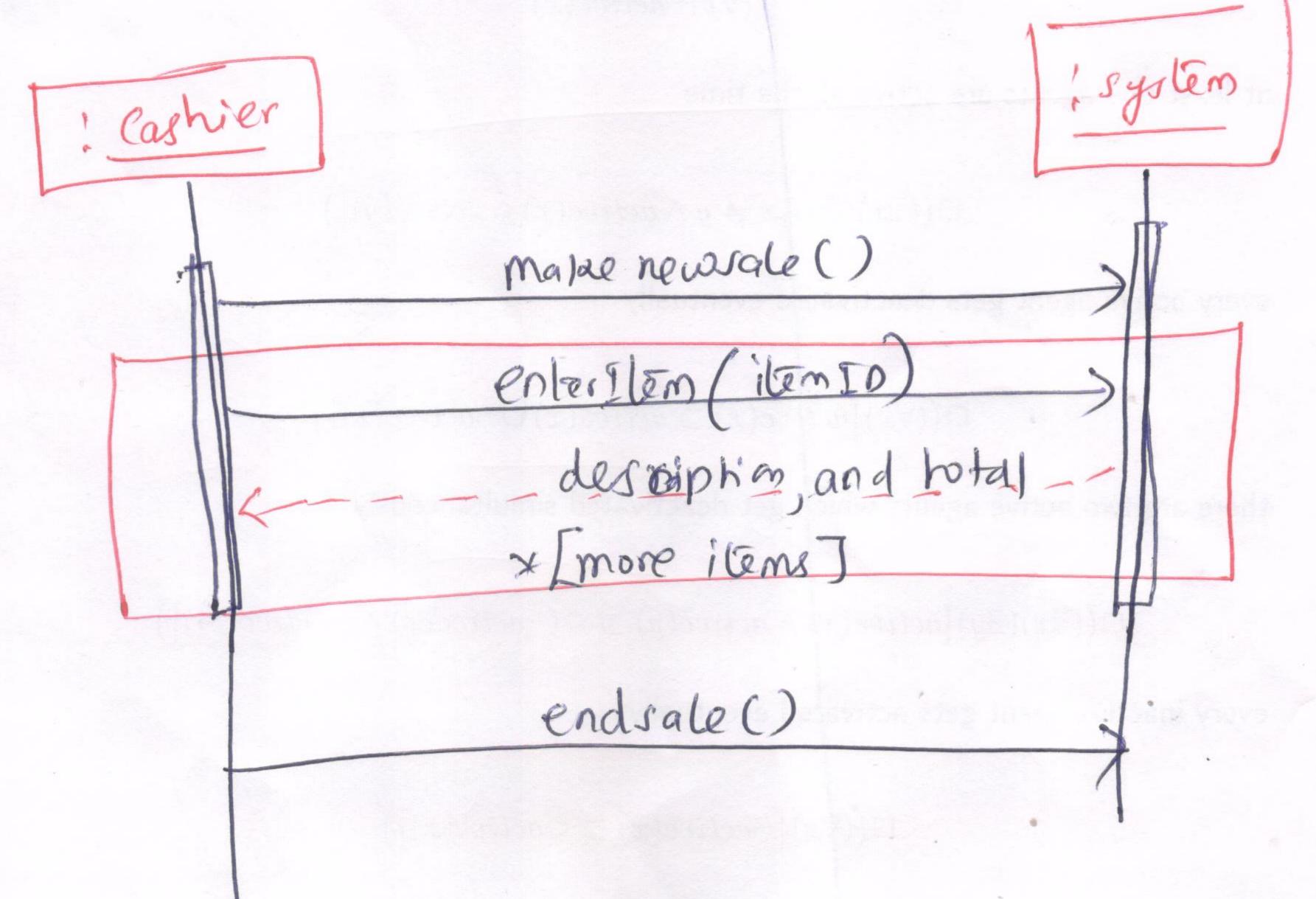
- Information from the system back to the actors

item description, running total, etc

Sequence d'agram for "procen sale "in Mont cren por Problem statement

- . Coushier starts a new sale
- · Cashier enlers itemid
- . System necords sale line item and presents

desciption and running total.



e system presents hotal with taxes. to

determine taxes, System uses an external Taxlaculator

: Cashier : Jystem : Tax Calculator
endsale()
getJapus (sque)

Letofal with toxes:

Letofal w

- o cashier enters cash amount tendered, the system presents change due.
 - · system presents receipt
- · System logs completed sale and sends sale ifo to the external accounting system and to the external inventory system.

