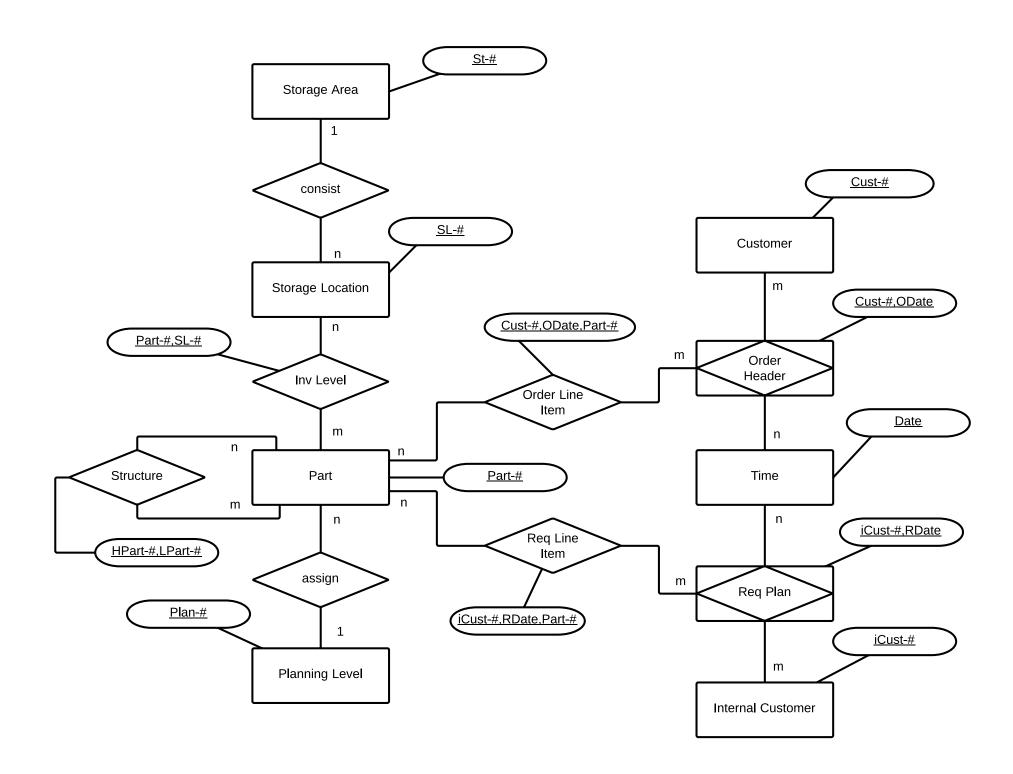
Requirements Planning

Source: [Sche98, p. 127], adapted by Farid El Masri, adjusted by Gerhard Pokorny

Transfer the following verbal description into an ERM:

- a) Parts (Part-#) are connected by a hierarchical structure; and assigned to a planning level (Plan-#). A planning level can include several parts. However, each part can be assigned to only one planning level.
- b) A storage area (St-#) consists of several storage locations (SL-#). A stock location can belong to only one storage area.
- c) Many parts can be stored in different storage locations, the "Inventory Level".
- d) "Order Headers" are combinations of customers (Cust-#) and time (Date) and represent the order.
- e) The relationship between order header and part is defined as order line item. Several parts can belong to an order in a given time (Date).
- f) The same thoughts apply to requirement planning: The header is a combination of internal customer (iCust-#) and time. Parts are assigned to the requirement plans as "Requirement Line Item".



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<u>St-#</u>	SL-#	

Part

Part-#	Plan-#	

Structure

HPart-#	LPart-#	

Inventory Level

Part-#	<u>SL-#</u>	

Order Header

Cust-#	Odate	

Requirement Plan

iCust-#	<u>Rdate</u>	

Order Line Item

Cust-#	<u>Odate</u>	Part-#	

Internal Customer

iCust-#	

Storage Location

<u>SL-#</u>	

Customer

Cust-#	

Time

<u>Date</u>	

Requirement Line Item

iCust-#	<u>Rdate</u>	Part-#	