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Database Design and Implementation

Dr. David

Assignment 1 - Conceptual Design

Clothing Factory

Entities - Orders (B2B), Equipment and Employees

Orders (B2B)

Name	Order Quantity	Address	Pickup/Delivery
HNM	500	123 Fashion Ave, New York, NY 10001	Pickup
NIKE	1000	456 Trend St, Los Angeles, CA 90015	Delivery
ZARA	2000	89 Sport Ln, Portland, OR 97210	Delivery

The **relationship between Orders and Equipment** is that the more orders we receive, the maintenance cost of equipment will increase and we may need to buy more equipment.



Equipment

Category	Quantity	Mainttainance (Montly)	Maintenance Frequency	Model Number
Cutting Machine	25	\$300	Anually	HATIL
Sewing Machine	20	\$200	6 month	JUKI
Overlock Machine	15	\$250	Anually	SPY



The **relationship between Employees and Equipment** is that employees uses the equipment to complete their tasks at work.

Employees

Name	ID	Age	length at company	Payment Type
John	#124	32	1year 5 months	Direct Deposit
Ben	#675	28	3 year 2 months	Check
Sara	#168	24	2 year	Direct Deposit
Mike	#231	25	7 months	Direct Deposit