



Cairo University

Faculty of Computers and Artificial Intelligence

IS211: Introduction to Database Systems

Super Market (Phase 2)

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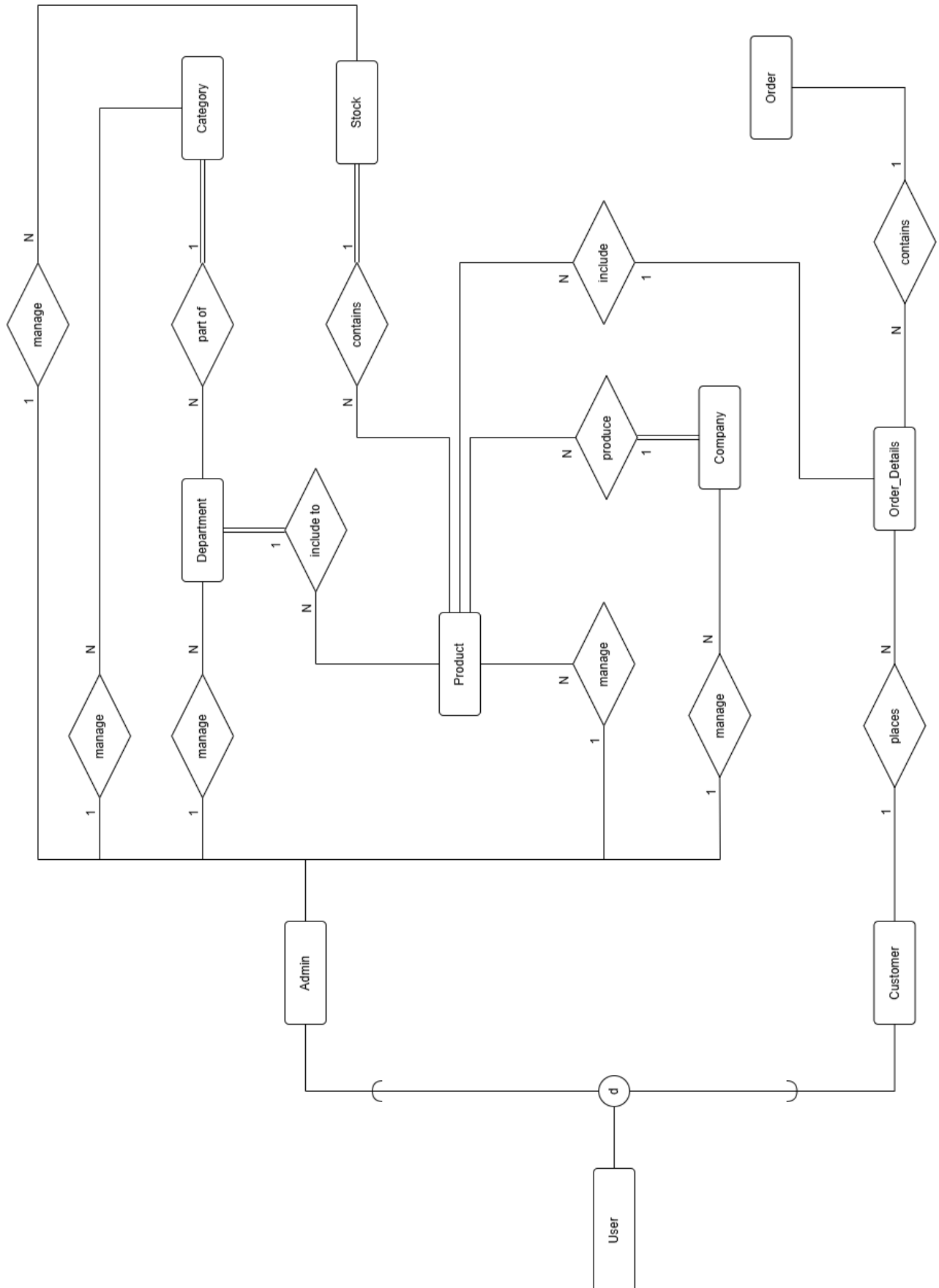
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- | | | |
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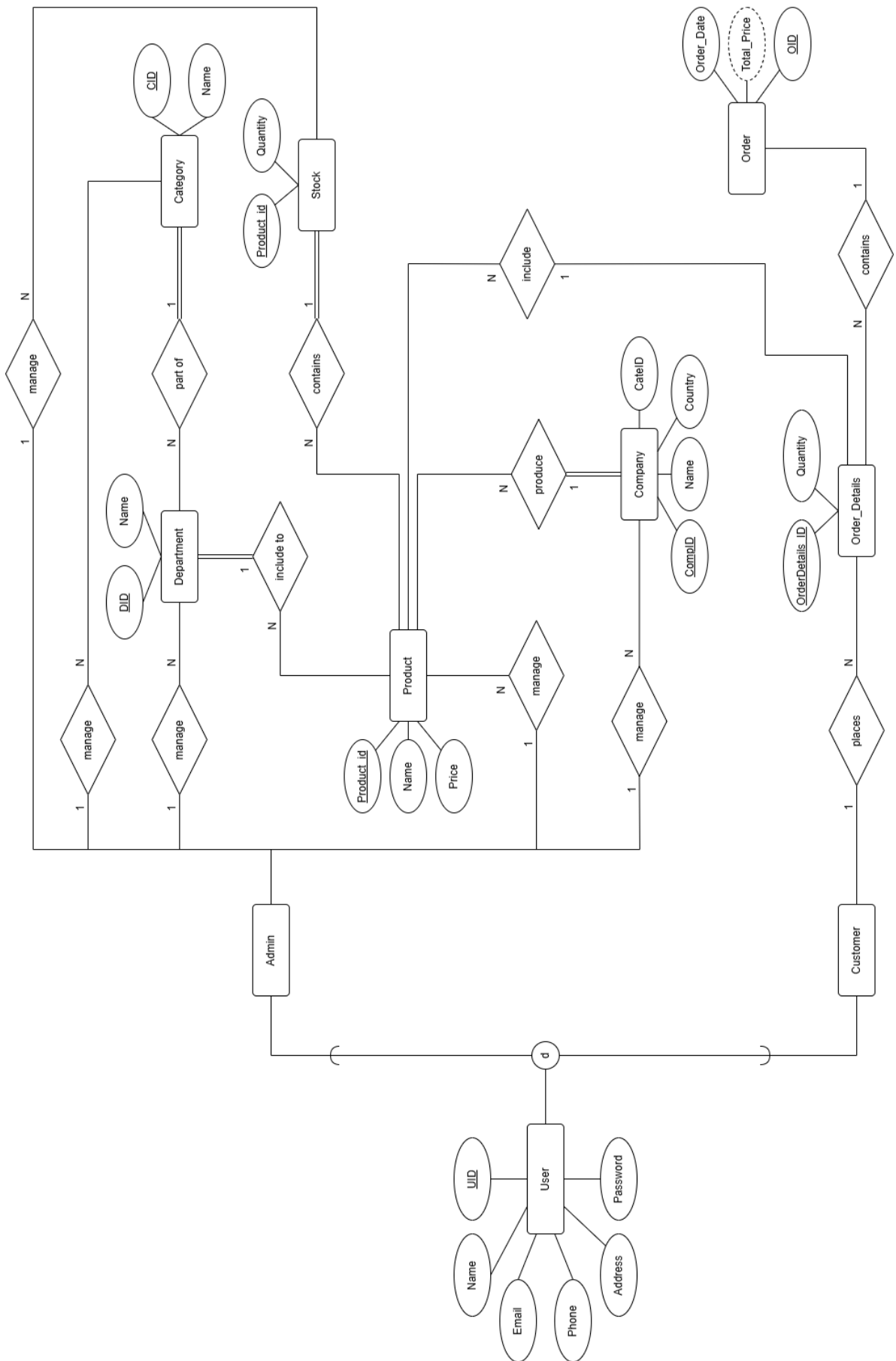
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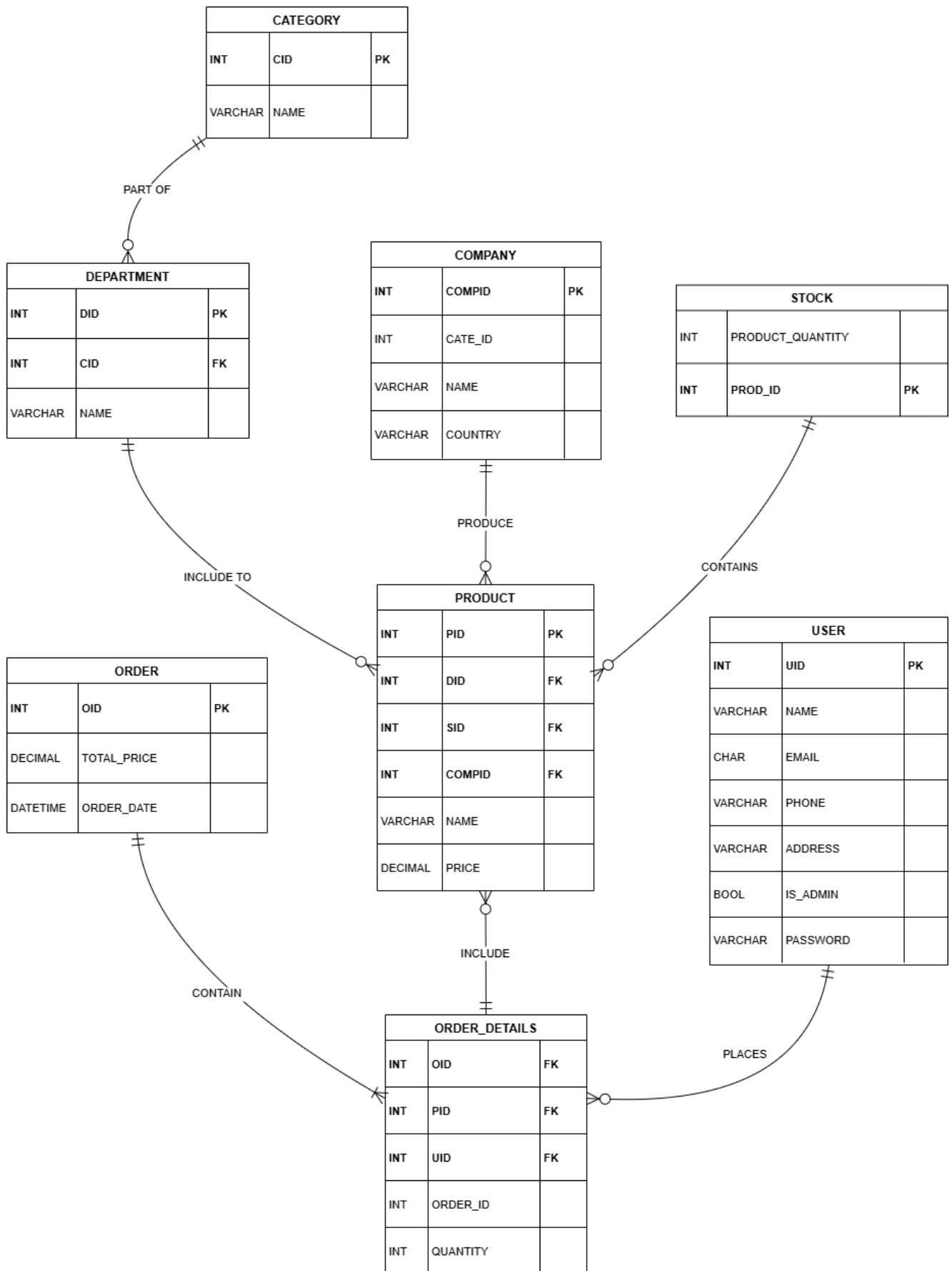
I. Conceptual ERD:



II. Logical ERD:



III. Physical ERD:



IV. Requirements

	Requirement	Description
RQ001	Admin Functions	Enable administrator login functionality.
RQ002		Allow administrators to register an account.
RQ003		Allow administrators to (add, modify, delete) company records.
RQ004		Allow administrators to (add, modify, delete) product categories.
RQ005		Allow administrators to (add, modify, delete) departments.
RQ006		Allow administrators to (add, modify, delete) stock quantity records.
RQ007		Allow administrators to (add, modify, delete) products.
RQ008	Customer Functions	Enable customer login functionality.
RQ009		Allow customers to register an account.
RQ010		Allow customers to (place, modify, cancel or delete) orders.
RQ011	Most Purchased Product	Retrieve the product with the highest customer count.
RQ012	Unsold Products by Month	Identify products with no sales in a specified month.
RQ013	Inactive Customers	Identify customers inactive for the past year.
RQ014	Top Purchasing Customer	Identify the customer with the highest monthly purchase.
RQ015	Sales Comparison	Compare sales between food and electronic products.
RQ016	Product Purchase Summary	Retrieve product details with customer purchase counts.