

Database schemas

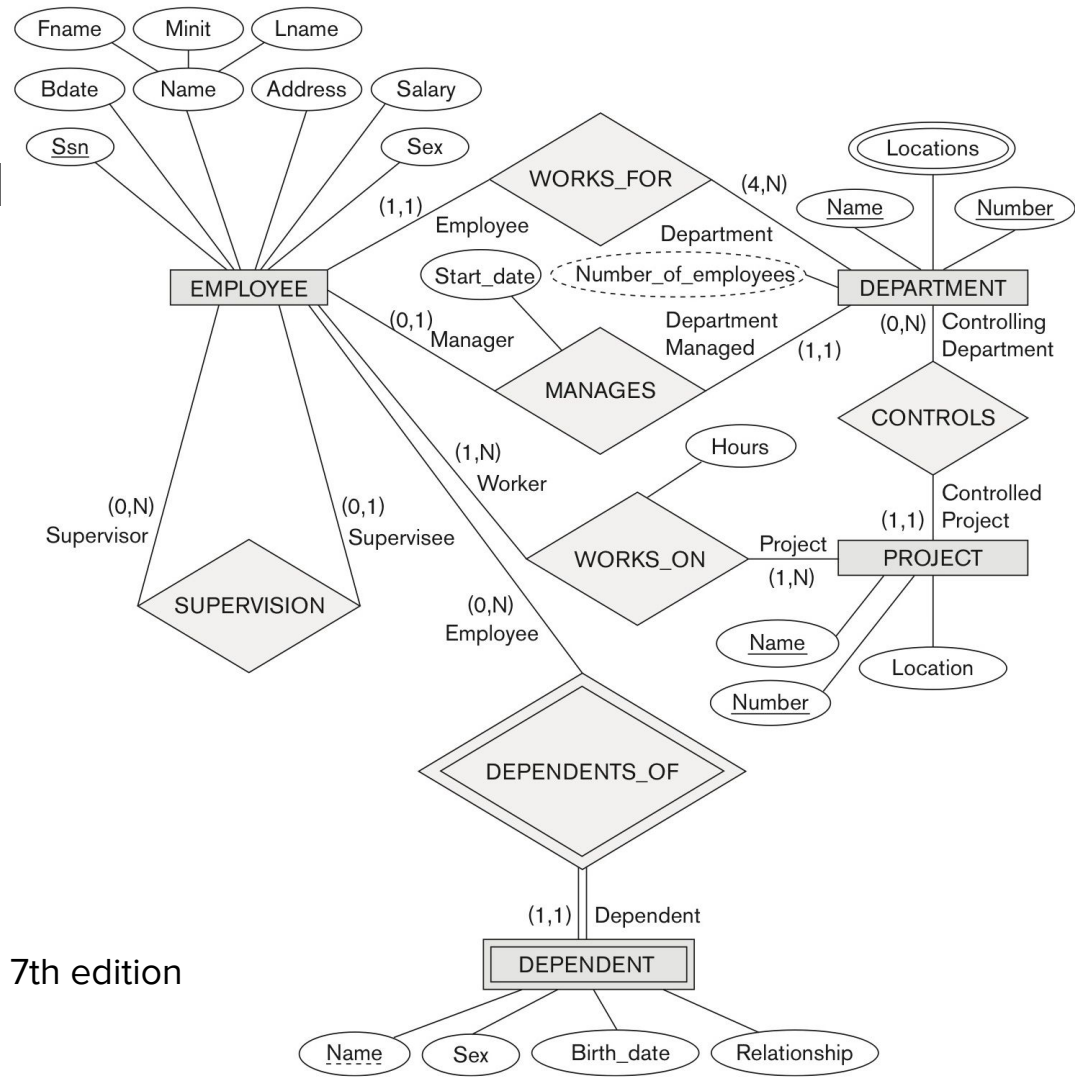


From "SQL Queries for Mere Mortals"

Entity-Relationship Model

(Peter Chen, 1976)

ER Diagram


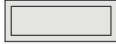





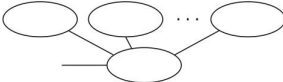


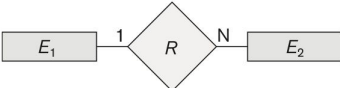
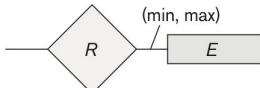


from *Fundamentals of Database Systems*, 7th edition
Ramez Elmasri | Shamkant B. Navanthe

Entity-Relationship Model

(Peter Chen, 1976)

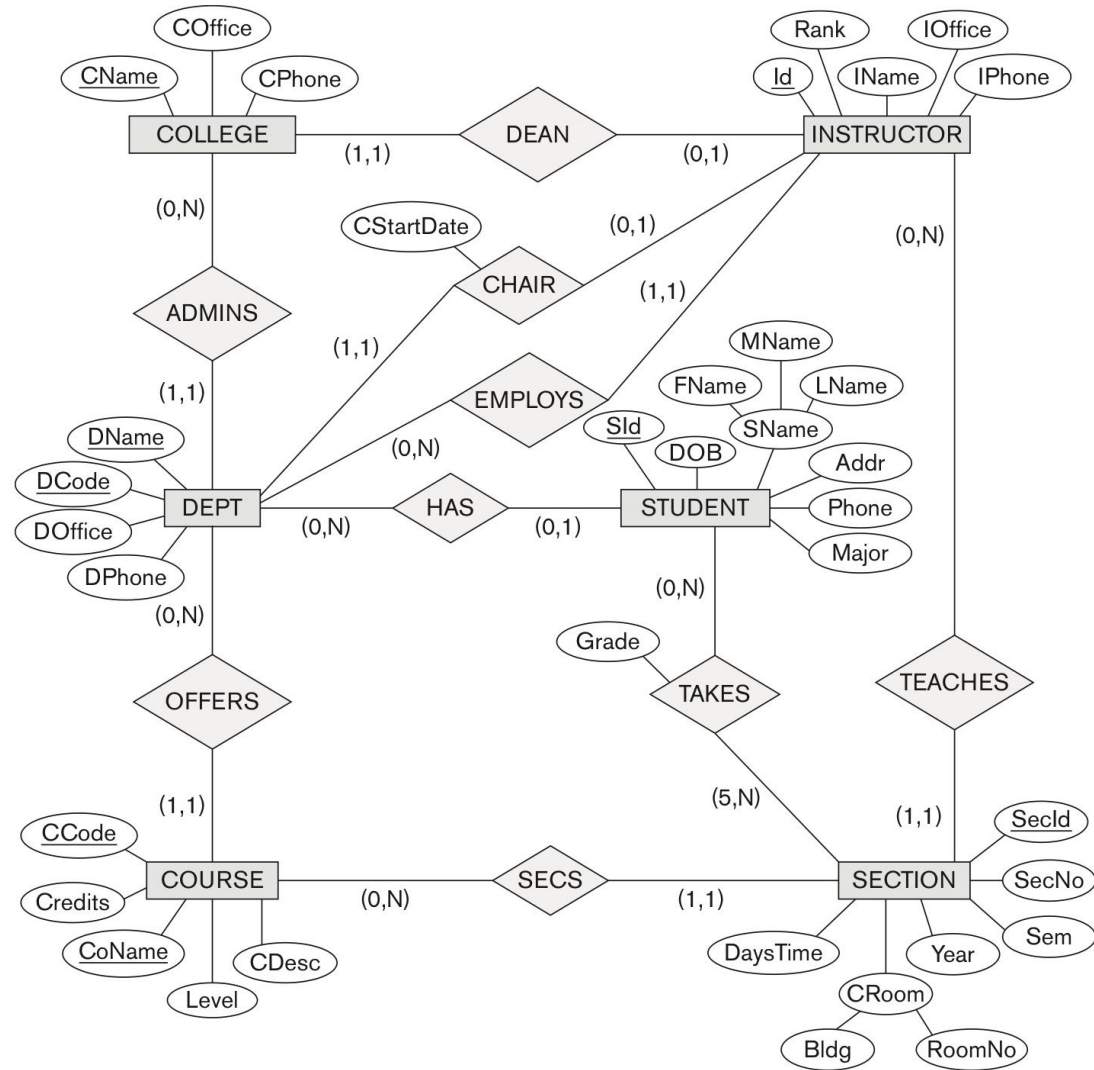
ER Diagramming Notation

Symbol	Meaning
	Entity
	Weak Entity
	Relationship
	Identifying Relationship
	Attribute
	Key Attribute
	Multivalued Attribute
	Composite Attribute
	Derived Attribute
	Total Participation of E_2 in R
	Cardinality Ratio 1: N for $E_1 : E_2$ in R
	Structural Constraint (min, max) on Participation of E in R

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ER Diagram

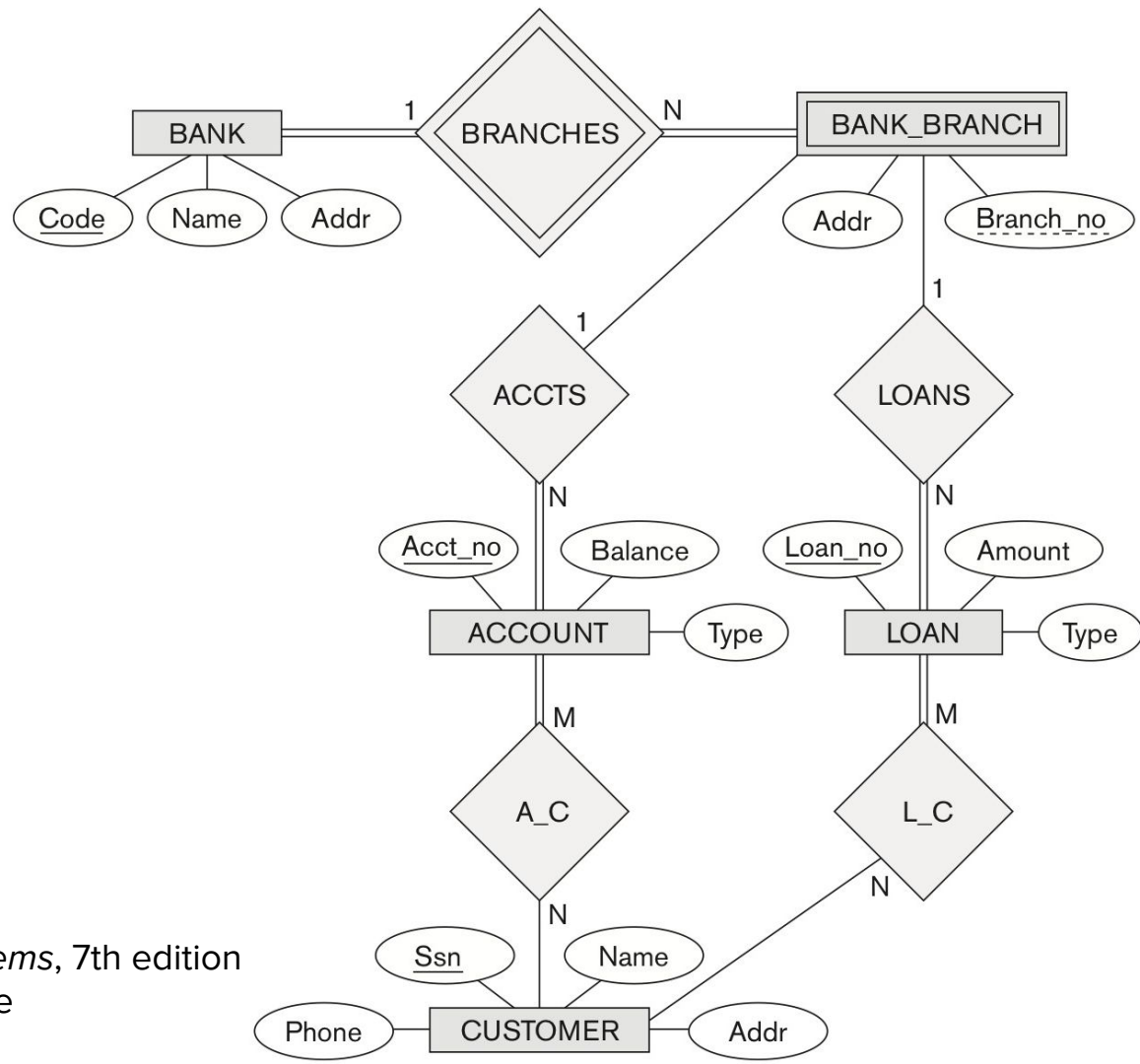
University Database



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ER Diagram

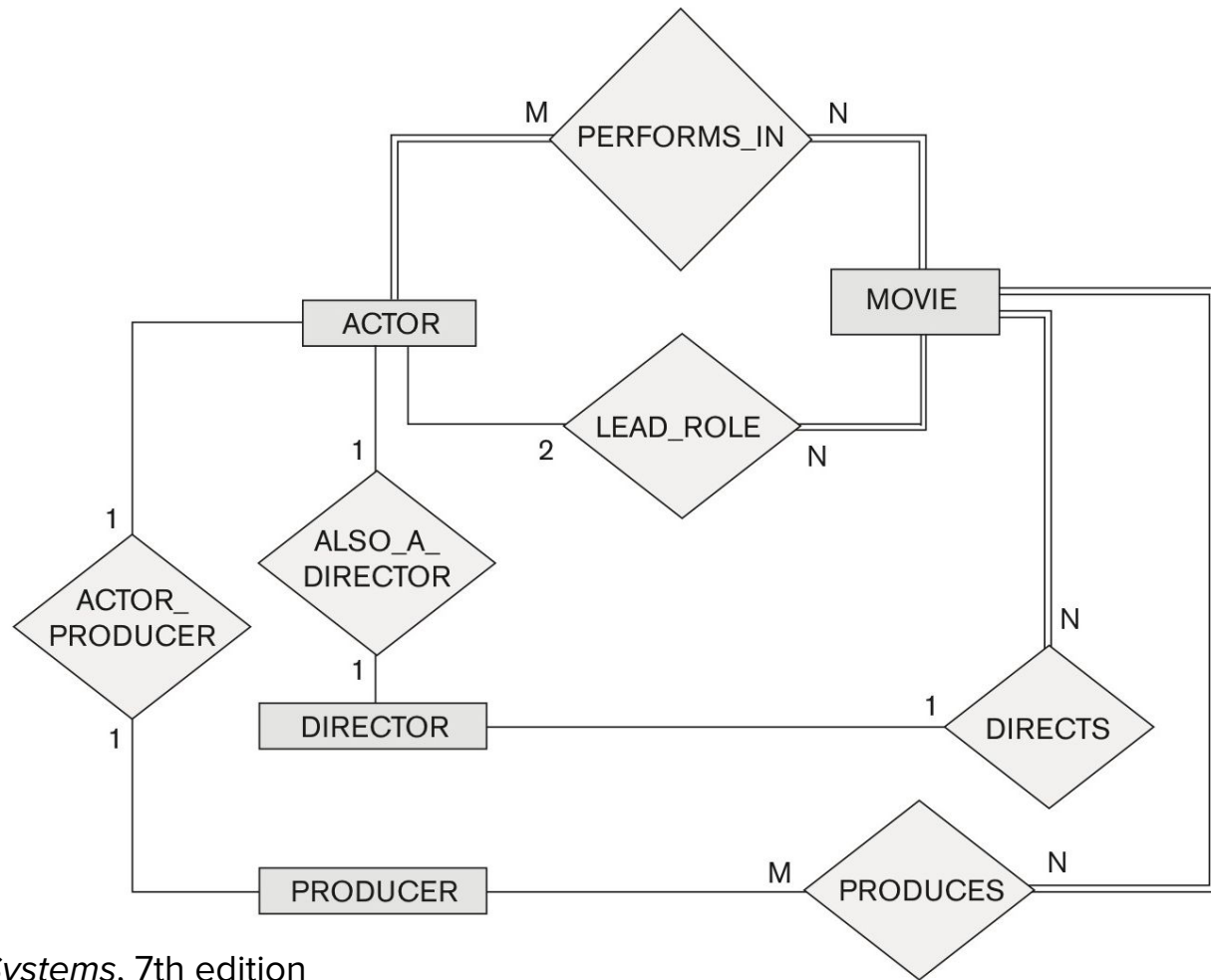
Bank Database



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ER Diagram

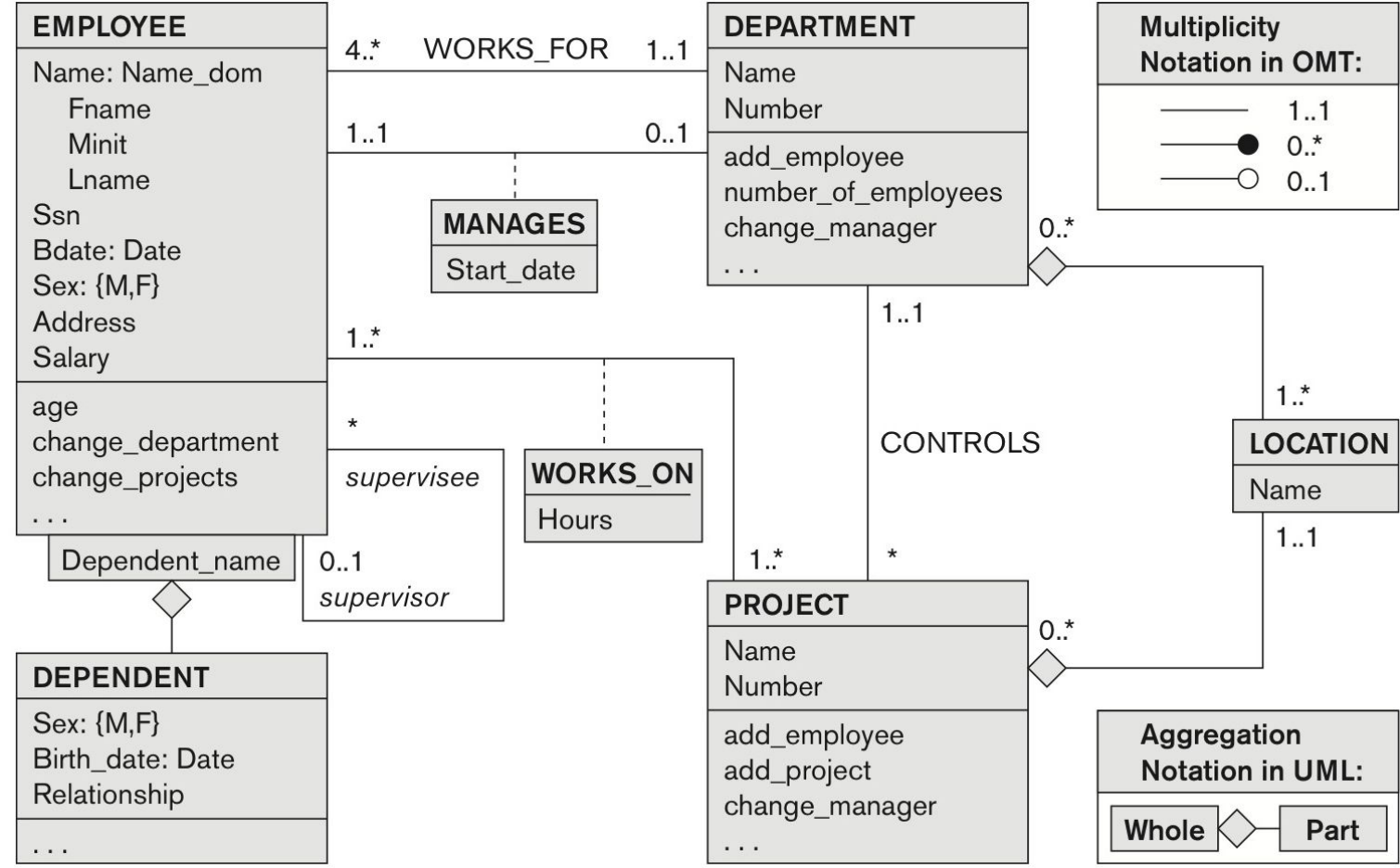
Movie Database



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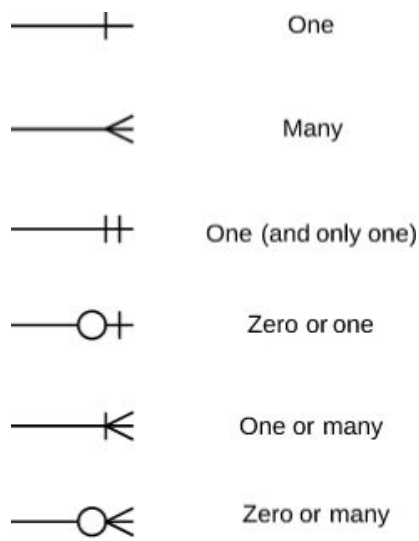
UML class
Diagram notation

University
Database

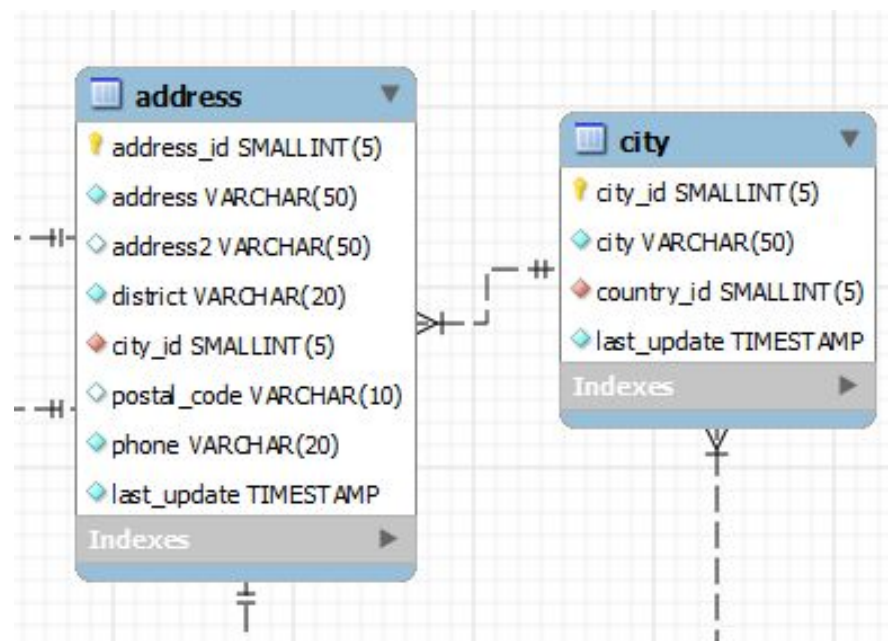


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Crow's foot arrow notation

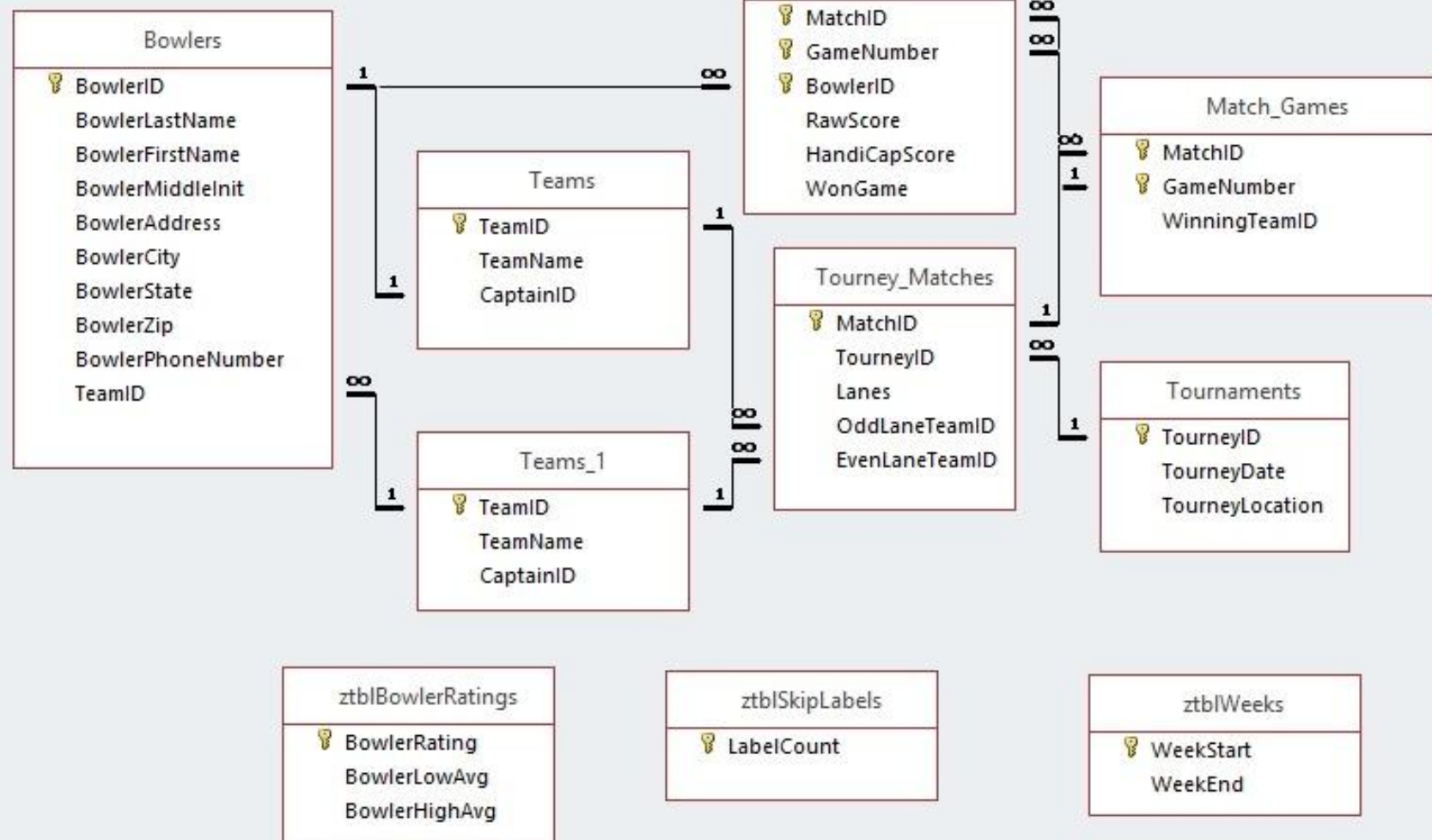


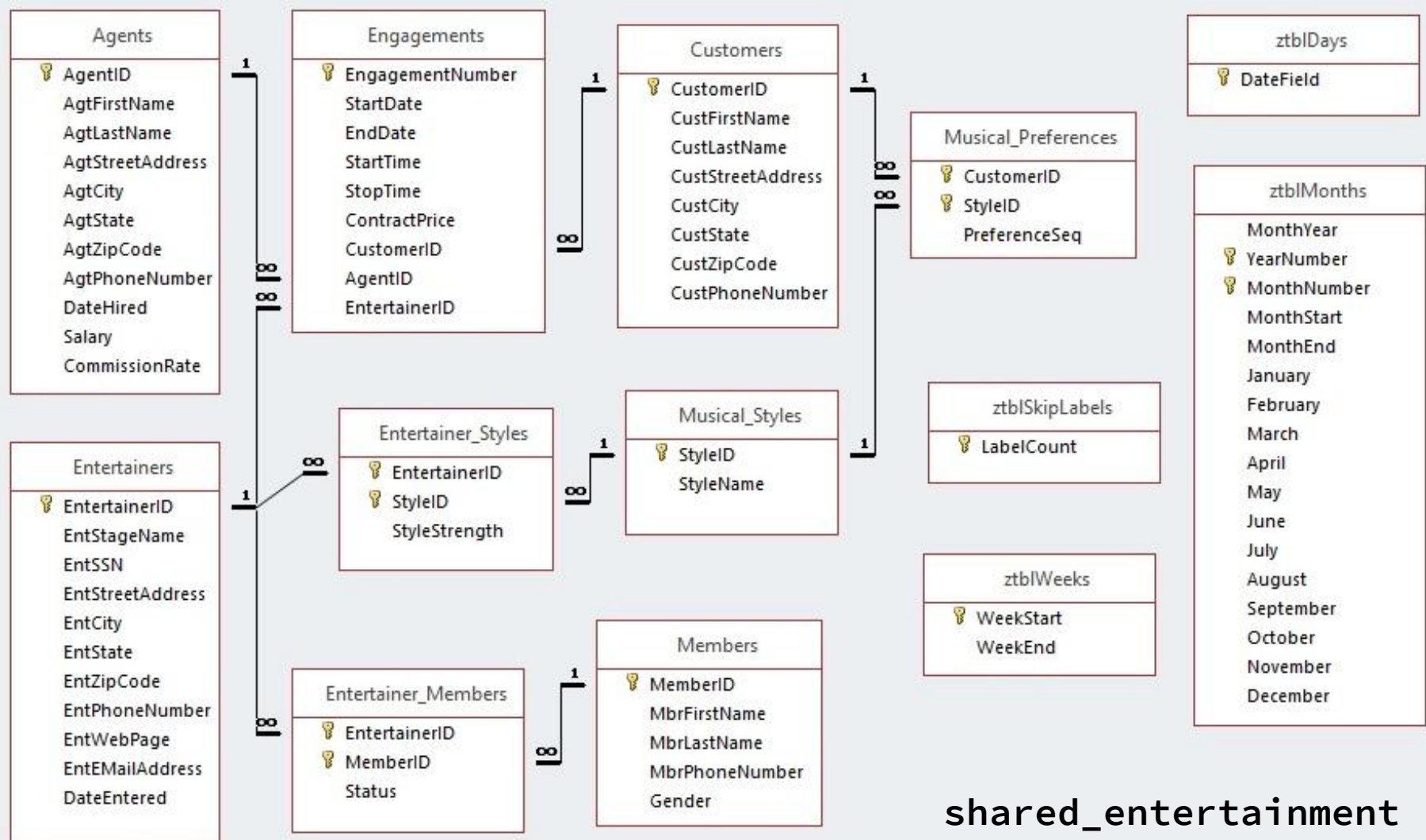
"Enhanced" ER Diagram



MySQL Workbench

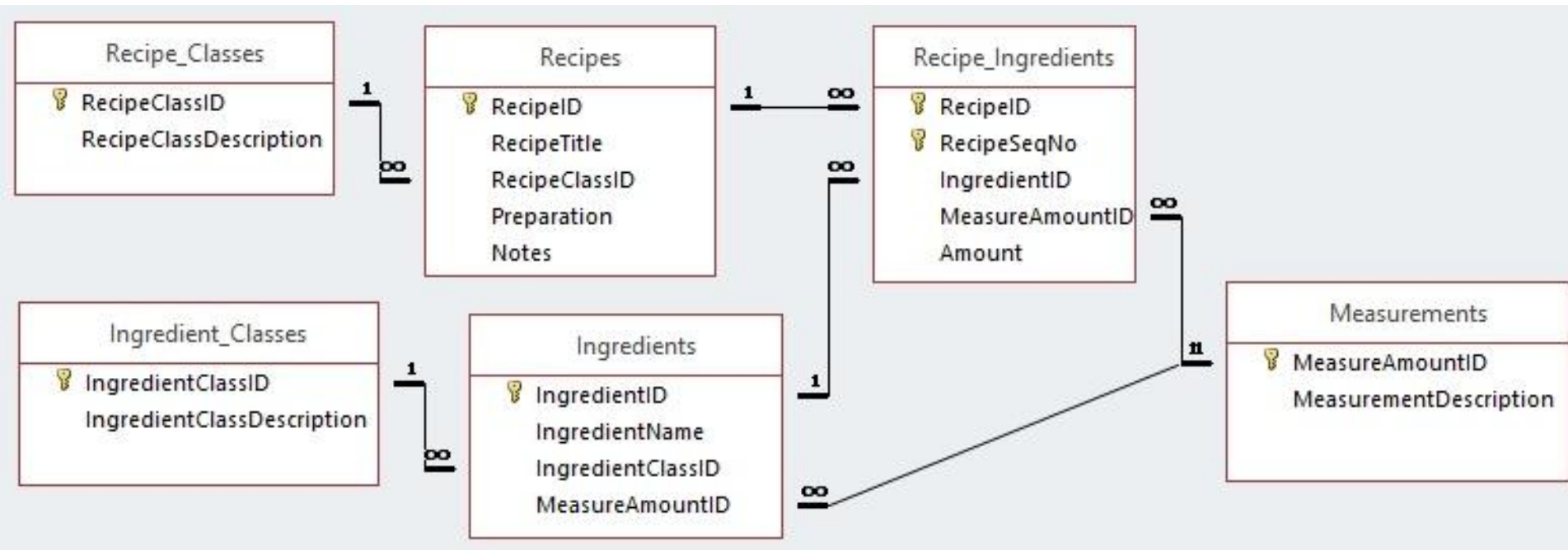
shared_bowling



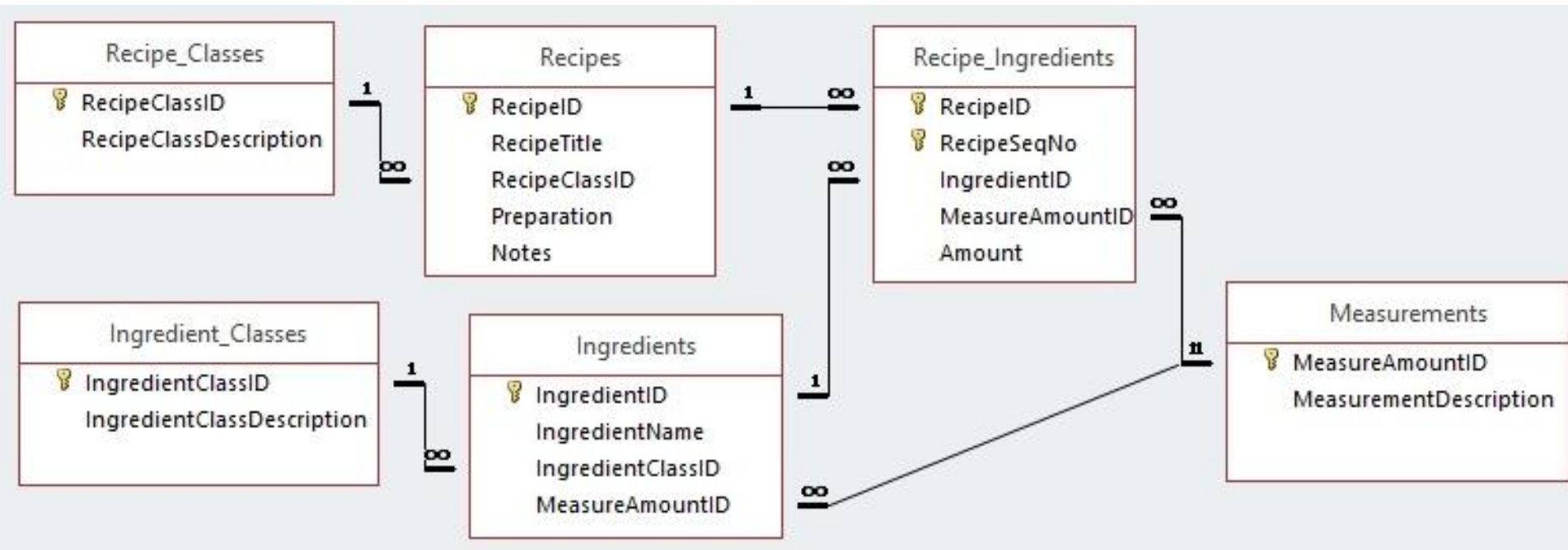


shared_entertainment

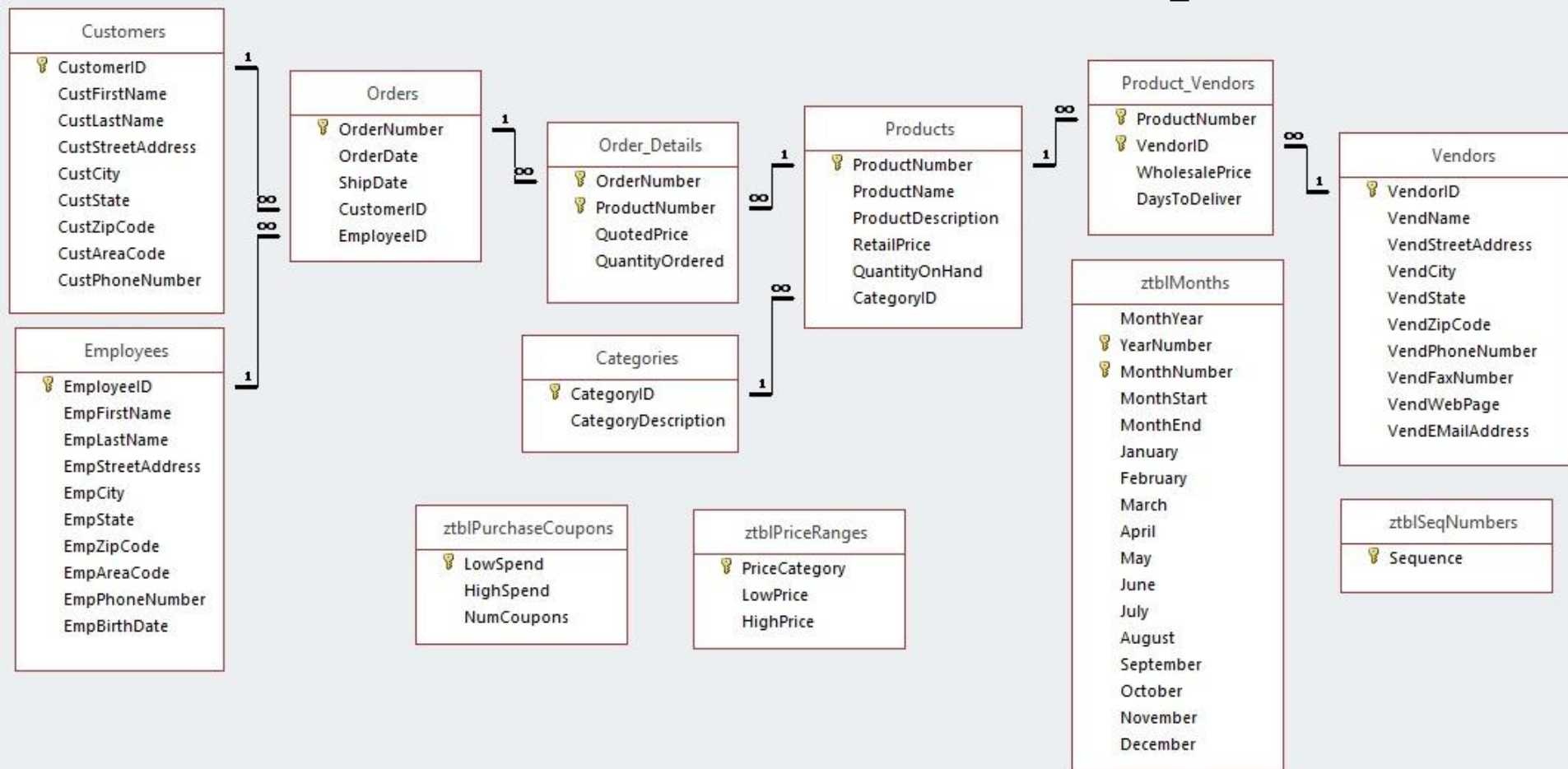
shared_recipes



shared_recipes



shared_sales



shared_school

