

# Ian's Movie Theater ERD

movie_customers_ian		
PK	customer_id	SERIAL
	first_name	VARCHAR(50)
	last_name	VARCHAR(50)
	email_address	VARCHAR(75)
	billing_info	VARCHAR(150)

movie_consessions_ian		
PK	consession_id	SERIAL
	consession_name	VARCHAR(100)
FK	customer_id	INTEGER
	consession_purchase_time	TIME
	sub_total	NUMERIC(10,2)
	total_cost	NUMERIC(10,2)

movie_tickets_ian		
PK	ticket_id	SERIAL
FK	customer_id	INTEGER
FK	movie_id	INTEGER
	ticket_purchase_time	TIME
	num_tickets_purchased	NUMERIC(3,0)
	sub_total	NUMERIC(10,2)
	total_cost	NUMERIC(10,2)

movie_info_ian		
PK	movie_id	SERIAL
	movie_name	VARCHAR(100)
	movie_rating	VARCHAR(15)
	movie_length	NUMERIC(5,0)

## Cardinality Markers Explanation

Between **movie\_customers\_ian** and **movie\_consessions\_ian**: I chose a many-to-many cardinality marker to show that many customers could be associated with many types of consessions purchased.

Between **movie\_customers\_ian** and **movie\_tickets\_ian**: I chose a one-to-many cardinality marker to show that one customer could buy many tickets.

Between **movie\_tickets\_ian** and **movie\_info\_ian**: I chose a many to one cardinality marker to show that one many tickets could correspond to one movie.