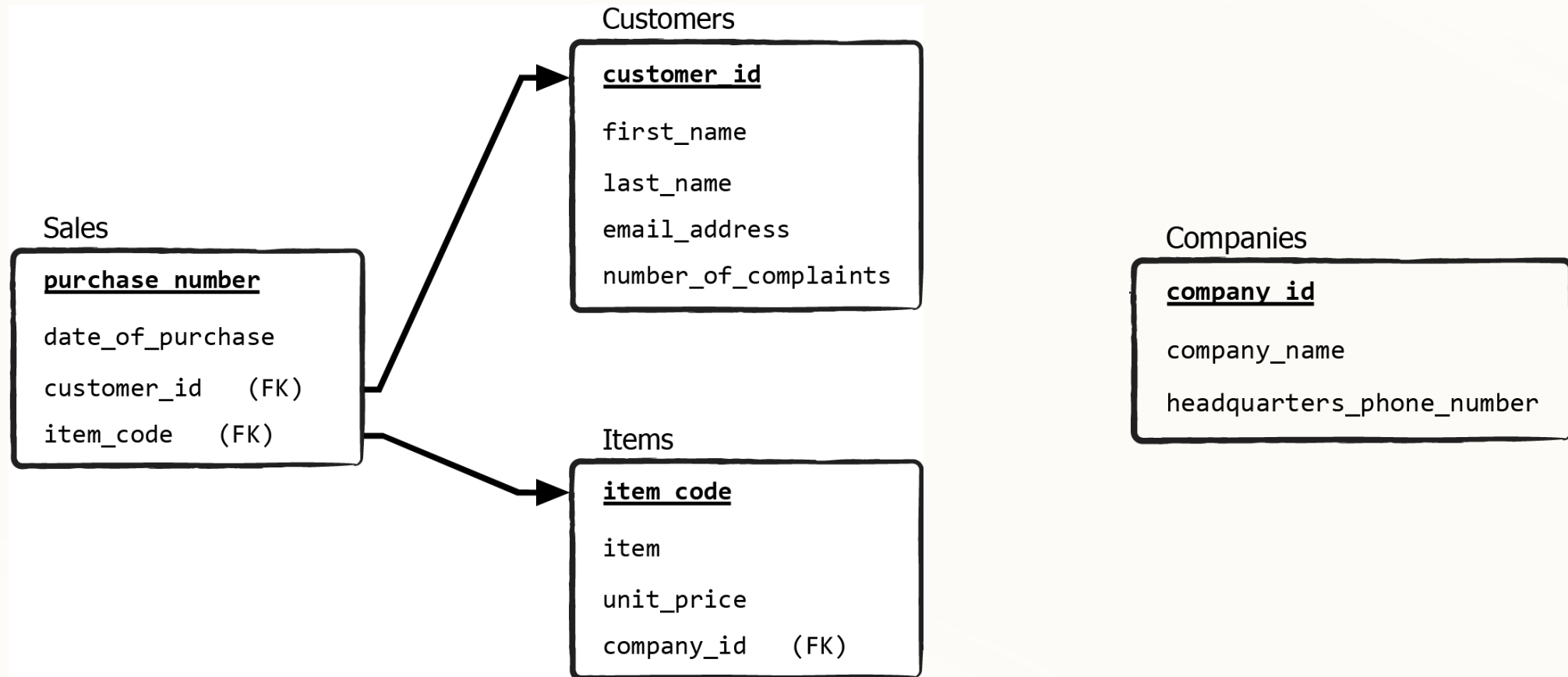


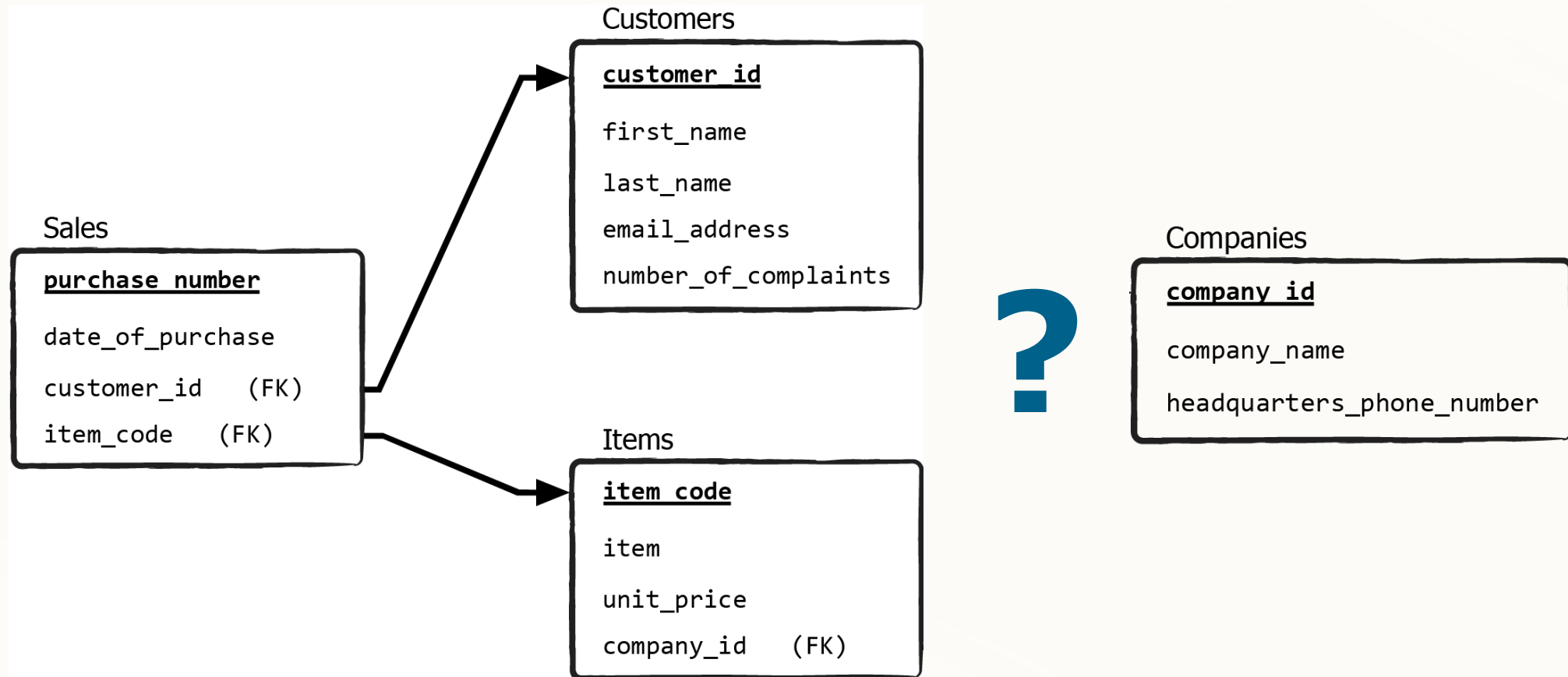
A modern conference room with large windows and a long table. The room is empty, with several black office chairs arranged around a long wooden table. The windows offer a view of a city skyline. The image has a blue tint and a stylized, torn-paper-like border.

# **Relational Schemas: Unique Key & Null Values**

# Relational Schemas: Unique Key & Null Values



# Relational Schemas: Unique Key & Null Values



# Relational Schemas: Unique Key & Null Values

Companies		
company_id	headquarters_phone_number	company
1	+1 (202) 555-0196	Company A
2	+1 (202) 555-0152	Company B
3	+1 (229) 853-9913	Company C
4	+1 (618) 369-7392	Company D

# Relational Schemas: Unique Key & Null Values

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company_id	headquarters_phone_number	company
1	+1 (202) 555-0196	Company A
2	+1 (202) 555-0152	Company B
3	+1 (229) 853-9913	Company C
4	+1 (618) 369-7392	Company D

You can have two or more companies with the same name

# Relational Schemas: Unique Key & Null Values

Companies		
company_id	headquarters_phone_number	company
1	+1 (202) 555-0196	Company A
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3	+1 (229) 853-9913	Company C
4	+1 (618) 369-7392	Company D

You *cannot* have two US numbers that are completely identical

# Relational Schemas: Unique Key & Null Values

Companies		
company_id	headquarters_phone_number	company
1	+1 (202) 555-0196	Company A
2	+1 (202) 555-0152	Company B
3	+1 (229) 853-9913	Company C
4	+1 (618) 369-7392	Company D





# Relational Schemas: Unique Key & Null Values

## unique key

used whenever you would like to specify that you don't want to see duplicate data in a given field

# Relational Schemas: Unique Key & Null Values

	primary key	unique key
NULL VALUES	no	yes

# Relational Schemas: Unique Key & Null Values

Companies		
company_id	headquarters_phone_number	company
1	+1 (202) 555-0196	Company A
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# Relational Schemas: Unique Key & Null Values

**ERROR**

Companies		
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	+1 (202) 555-0152	Company B
3	+1 (229) 853-9913	Company C
4	+1 (618) 369-7392	Company D

# Relational Schemas: Unique Key & Null Values

	primary key	unique key
NULL VALUES	no	yes
NUMBER OF KEYS	1	0, 1, 2...

# Relational Schemas: Unique Key & Null Values

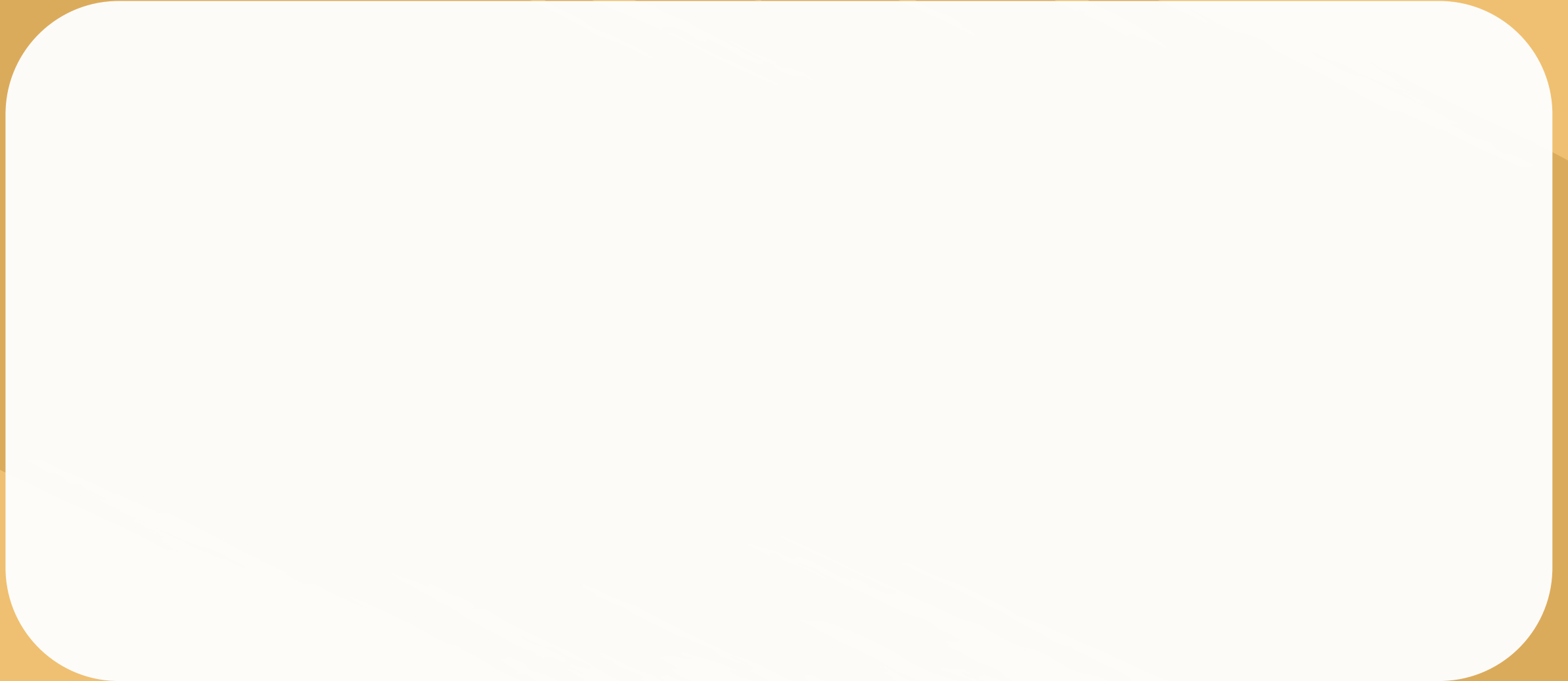
	primary key	unique key
NULL VALUES	no	yes
NUMBER OF KEYS	1	0, 1, 2...
APPLICATION TO MULTIPLE COLUMNS	yes	yes

# Relational Schemas: Unique Key & Null Values

Companies		
company_id	headquarters_phone_number	company
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# Relational Schemas: Unique Key & Null Values



# Relational Schemas: Unique Key & Null Values

