

A large red square with a white border, centered on a white background. Inside the square, the text "Relational Database Design" is written in white.

Relational Database Design

**You're a small
business that
needs to track
purchases.**

How?

**You're a small
business that
needs to track
purchases.**

How?

Spreadsheets!

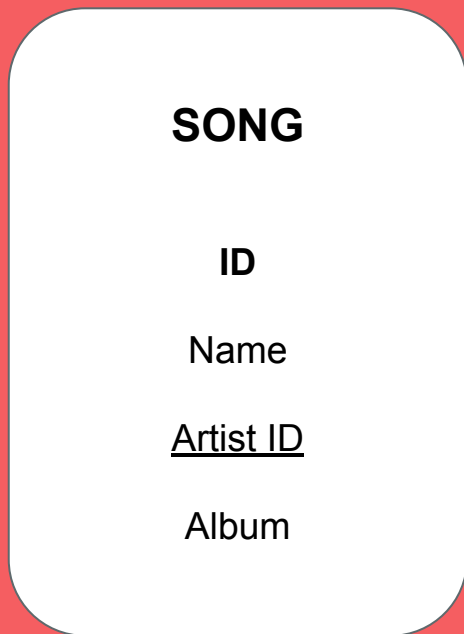
Songs (ala Google Sheets/Excel/etc)

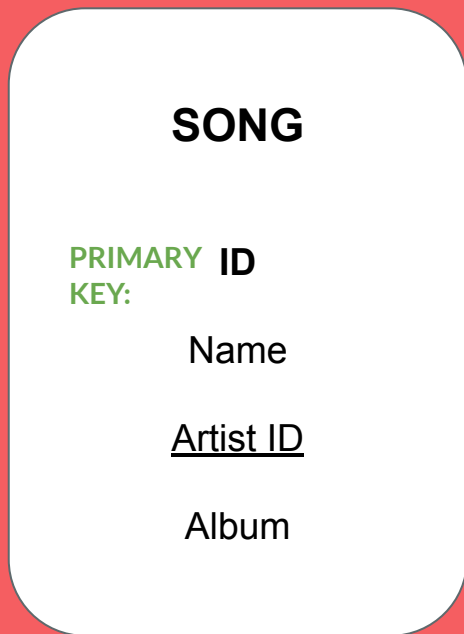
	SONG	
Name	Artist	Album
Here Comes the Sun	The Beatles	Abbey Road
Come Together	The Beatles	Abbey Road
Let It Be	The Beatles	Let It Be
Yesterday	The Beatles	Help!
Hey Jude	The Beatles	"1"

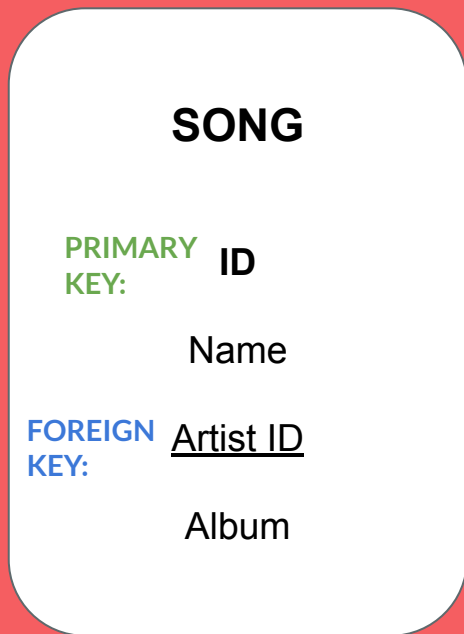
Songs & Artists (ala Google Sheets/Excel/etc)

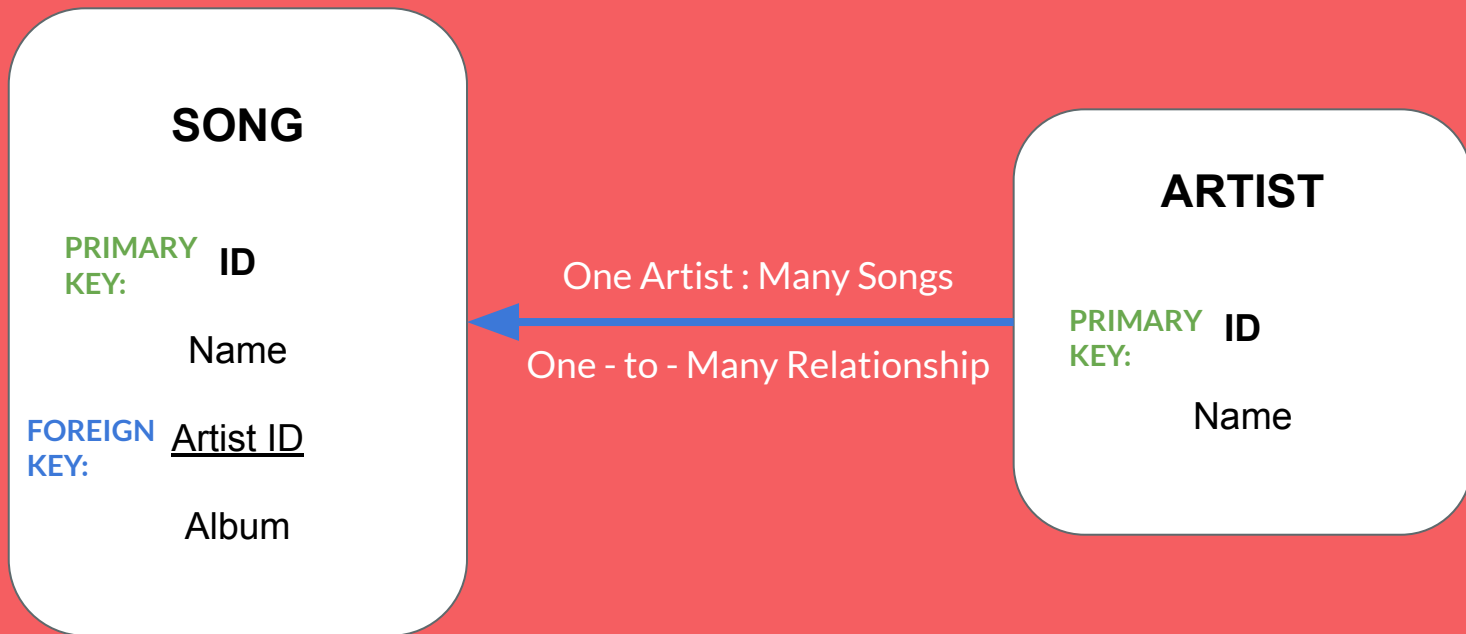
		SONG	
ID	Name	ArtistId	Album
1	Here Comes the Sun		1 Abbey Road
2	Come Together		1 Abbey Road
3	Let It Be		1 Let It Be
4	Yesterday		1 Help!
5	Hey Jude		1 "1"
6	Hey JTC		2 125 Street

ARTIST	
ID	Name
1	The Beatles
2	The Beetles

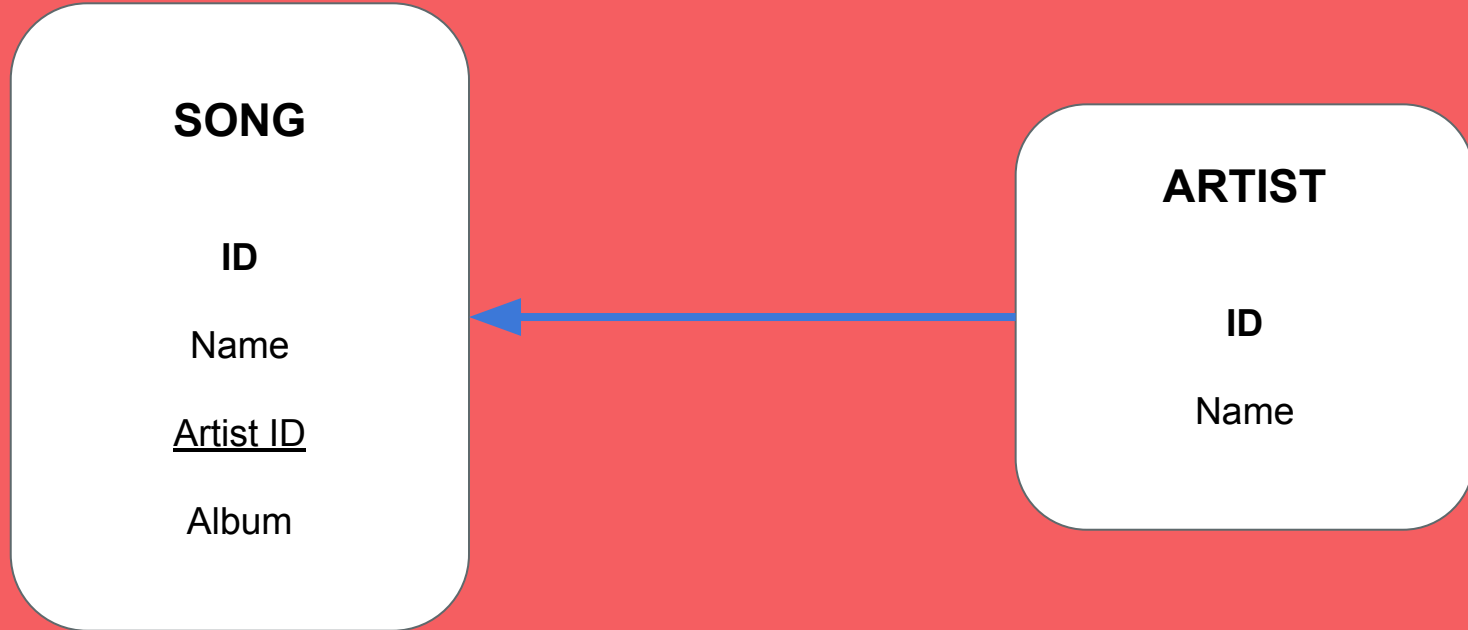








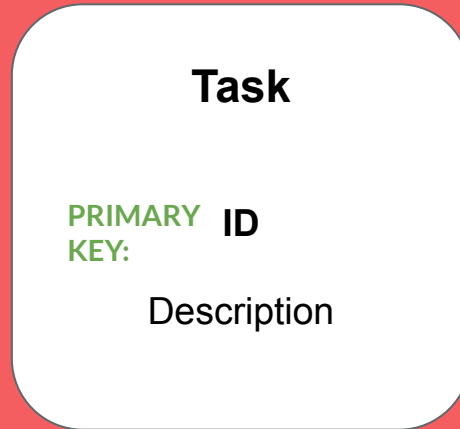
Entity / Relationship Diagram



Task Table (ala Google Sheets/Excel/etc)

TASK	
ID	Description
1	Learn Python
2	Learn HTML
3	Learn Django

Entity / Relationship Diagram

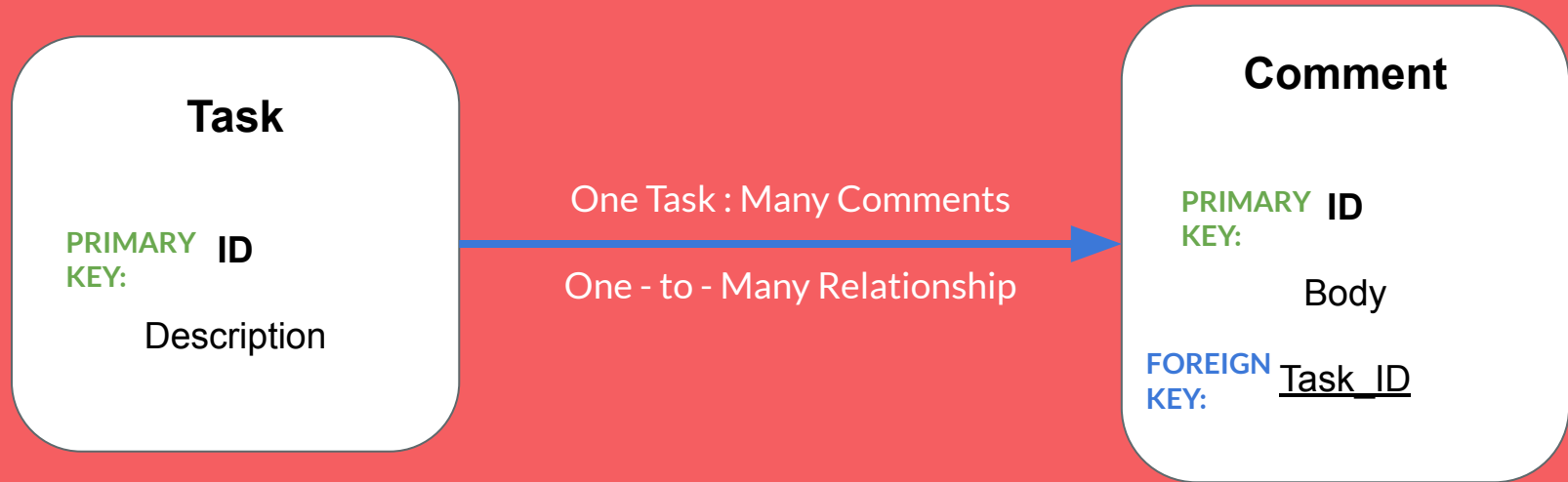


Task Table & Comment table: One-to-Many

Task	
ID	Description
1	Learn Python
2	Learn HTML
3	Learn Django

Comment		
ID	Body	Task_ID
1	This was difficult	3
2	Love the structure!	2
3	HTML tags are confusing tho	2
4	Like the snake?	1

Entity / Relationship Diagram



Task, Comment, & Tag tables

Task	
ID	Description
1	Learn Python
2	Learn HTML
3	Learn Django

Tag	
ID	Name
1	coding
2	python
3	web

Comment		
ID	Body	Task_ID
1	This was difficult	3
2	Love the structure!	2
3	HTML tags are confusing tho	2
4	Like the snake?	1

Tables with intermediary

Task	
ID	Description
1	Learn Python
2	Learn HTML
3	Learn Django

TaskTag		
ID	Task_ID	Tag_ID
1	1	1
2	2	1
3	3	1
4	1	2
5	3	2
6	2	3
7	3	3

Tag	
ID	Name
1	coding
2	python
3	web

Comment		
ID	Body	Task_ID
1	This was difficult	3
2	Love the structure!	2
3	HTML tags are confusing tho	2
4	Like the snake?	1

Entity / Relationship Diagram

