

# Architecture solution for commenting tasks

[To be read together with this document](#)

I used colors to indicate fields that are referencing to the same record

## Task commenting functionality

each row represents a mentorship request or relation between two users – mentee and mentor

### mentorship\_relations

id [int] Primary key	mentor_id [int]	mentee_id [int]	...
1	1	2	...
2	3	4	...
3	5	6	...

each row represents a single completable task within a mentorship relation

### tasks

relation_id [int] Foreign Key	id [int] Primary Key	title [string]	desc [string]	is_done [bool]	creation_date [timestamp]	completion_date [timestamp]
1	1	Kotlin Basics	Kotlin is the new...	_true	15792...	15794...
1	2	Arch Components	At Google I/O '17 ...	_false	15780...	null
2	3	Watch Udemy course	I think this course ...	_false	1579...	null

I used "\_true" instead of "true" because it gets auto-translated to my native language

each row represents a single task comment made by a user

### comments

task_id [int] Foreign Key	id [int] Primary Key	text [string]	sent_by_id [int]	sent_on [timestamp]
1	1	Hey! How are you!	1	15792...
1	2	Fine, thanks! Let's do it!	2	15793...
1	3	Okay, I sent you some	1	15794...

each row represents a reaction added by a user to a task comment. User can any number of *different* reactions

### reactions

comment_id [int] Foreign Key	id [int] Primary Key	issues_by_id [int]	emoticon [string]
1	1	2	U+2764
1	2	2	U+1F389
2	3	1	U+1F600

<- ❤️ heart icon  
<- 🎉 party popper  
<- 😄 grinning face

## Friends functionality

Each row represents a friendship request or relation between two users

### friends

id [int]	sender_id [int]	user_1_id [int]	user_2_id [int]	sent_on [timestamp]	status [enum]	accepted_on [timestamp]
1	1	1	2	15792...	ACCEPTED	15792...
2	1	1	3	16759..	PENDING	15792...

available values  
[PENDING, ACCEPTED]

[EDIT: From now on, it is part of this task.](#)

## Dashboard functionality

Each row represents a post publicly shared by user

posts				
id [int]		publisher_id [int]	content [string]	sent_on [timestamp]
	1	1	Recently I discovered...	15792...
	2	1	I would like to add that...	15843...
	3	2	This time last year, my ...	16241...