Free Diagram Documentation

Link to schema: https://app.quickdatabasediagrams.com/#/d/ez23bI

User

Field	Description	Type	Default	Other
id		int		PK
photo_id	User preview photo id.			FK, NULLABLE
name		str		NULLABLE
surname		str		NULLABLE
email		str		NULLABLE
nickname		str		
password		bytes		
api_key	Can be used to exchange messages on behalf of a user or create bots.	bytes		
token		bytes		
refresh_token		bytes		

Bot

Bot - a system that can be used for a variety of tasks from chat administration to remote control of another computer.

Field	Description	Type	Default	Other
id		int		PK
creator_id				FK
name		str		
token		bytes		

Chat

Chat - an object that connects two or more chat members.
When sending a message, all members of the chat will receive it.

Field	Description	Type	Default	Other
id		int		PK
is_group		bool		

ChatMember

Chat member - a wrapper for user or bot that simplifies the work with the database.

Field	Description	Type	Default	Other
id		int		PK

Field	Description	Type	Default	Other
user_id				FK, NULLABLE
bot_id				FK, NULLABLE
chat_id				FK
is_bot		bool		

Message

Field	Description	Type	Default	Other
id				PK
chat_id				FK
sender_id				FK
type	Message type, possible types: text; executable; photo; document; other;	str		
text	Encrypted text of the message. Can perform the role of caption when sending files.	bytes		NULLABLE
files_password	Encrypted password for encrypted files attached to the message.	bytes		NULLABLE
encryption_type	Content (such as text & file_password) of each message is encrypted using 2048-bit RSA encryption.	str		

File

Field	Description	Type	Default	Other
id		int		PK
name		str		
link	Link to a file stored in the cloud storage.	str		
message_id				FK
encryption_type	Each file is encrypted using 256-bit AES symmetric encryption.	str		