

Free Diagram Documentation

Link to diagram: <https://app.quickdatabasediagrams.com/#/d/xoyy8v>

CustomUser

Extended Django default user with important properties. You can find a list of all properties in the documentation: <https://docs.djangoproject.com/en/5.1/ref/contrib/auth/>

Field	Description	Type	Default	Other
id		int		PK
email		email		UNIQUE
username		string		
password		string		
activities	Activity types available to the user (global and own)	ActivityType		FK

Daytistic

Model for a daytistic. Primarily serves as a node that bundle different models.

Field	Description	Type	Default	Other
id		int		PK
date	Date of the daytistic	date		INDEX
user		user		FK
diary	Diary entry that belongs to the daytistic	DiaryEntry		FK, NULLABLE
activities	List of activity entries that belong to the daytistic	ActivityEntry		FK
wellbeings	List of well-being entries that belong to the daytistic	WellbeingEntry		FK

ActivityEntry

Responsible for storing activity entries. One activity entry can belong to many daytistics, to save database storage. That means if a user creates an activity entry which does already exist the user is added to this entry.

Field	Description	Type	Default	Other
id		int		PK
daytistic		Daytistic		FK, INDEX
type		ActivityType		FK
start_time		date		
end_time		date		

ActivityType

Container model for the activity types (Work, Productivity, Sport, Health, Familie & Friends,

Happiness, Recreation, Time For Me and Gratitude). Every user can add his own activities. If a user creates an activity which does already exists, the user is assigned to it.

Field	Description	Type	Default	Other
id		int		PK
name		string		UNIQUE
users		CustomUser		FK

WellbeingEntry

Responsible for storing well-being ratings. One wellbeing entry can belong to many daytistics, to save database storage. That means if a user creates an new daytistic and sets the well-being, a new entry is only created if not entry like this exists.

Field	Description	Type	Default	Other
id		int		PK
daytistic		Daytistic		FK
type		WellbeingType		FK
rating		int	5	

WellbeingType

Container model for predefined well-being types (Work, Productivity, Sport, Health, Familie & Friends, Happiness, Recreation, Time For Me and Gratitude). Stored in database to to make it easily expandable.

Field	Description	Type	Default	Other
id		int		PK
name		string		INDEX

DiaryEntry

Stores the diary entry which belongs to one daytistic.

Field	Description	Type	Default	Other
id		int		PK
daytistic		Daytistic		FK
entry		text		
moment		text		