

TASK MANAGEMENT SYSTEM

DATABASE DESIGN:

users:

ATTRIBUTE NAME	DATATYPE	CONSTRAINTS
id	INT	AUTO_INCREMENT PRIMARY KEY
username	VARCHAR(255)	NOT NULL UNIQUE
password	VARCHAR(255)	NOT NULL
email	VARCHAR(255)	NOT NULL UNIQUE
is_admin	BOOLEAN	DEFAULT FALSE
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
updated_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

tasks:

ATTRIBUTE NAME	DATATYPE	CONSTRAINTS
id	INT	AUTO_INCREMENT PRIMARY KEY
title	VARCHAR(255)	NOT NULL
description	TEXT	
status	ENUM	NOT NULL
assigned_date	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
deadline	DATE	NOT NULL
assigned_by	INT	INT, FOREIGN KEY – users table 'id'
assigned_to	INT	INT, FOREIGN KEY – users table 'id'
tag	VARCHAR(255)	
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
updated_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP

comments:

ATTRIBUTE NAME	DATATYPE	CONSTRAINTS
id	INT	AUTO_INCREMENT PRIMARY KEY
task_id	INT	NOT NULL, FOREIGN KEY – tasks 'id'
user_id	INT	NOT NULL, FOREIGN KEY – users 'id'
comment	TEXT	NOT NULL
created_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP
updated_at	TIMESTAMP	DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP