

Projects database Free

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Users

Users		
PK	user_id	INT PRIMARY KEY AUTO_INCREMENT
	username	VARCHAR(50) NOT NULL
	email	VARCHAR(100) UNIQUE NOT NULL
	password_hash	VARCHAR(255) NOT NULL
	created_at	TIMESTAMP DEFAULT CURRENT_TIMESTAMP

Tasks

Tasks		
PK	task_id	INT PRIMARY KEY AUTO_INCREMENT
	project_id	VARCHAR(50) NOT NULL
	task_name	VARCHAR(100) UNIQUE NOT NULL
	status	VARCHAR(255) NOT NULL
	created_at	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
	FOREIGN KEY (project_id) REFERENCES Projects(project_id)	
	ON DELETE CASCADE	

Projects

Projects		
PK	Project_id	INT PRIMARY KEY AUTO_INCREMENT
FK	user_id	INT NOT NULL
FK	title	VARCHAR(255) NOT NULL
	description	TEXT
	created_at	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
	FOREIGN KEY (user_id) REFERENCES Users(user_id)	
	ON DELETE CASCADE	

Files

Files		
PK	file_id	INT PRIMARY KEY AUTO_INCREMENT
	project_id	VARCHAR(50) NOT NULL
	file_name	VARCHAR(100) UNIQUE NOT NULL
	file_path	VARCHAR(255) NOT NULL
	uploaded_at	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
	FOREIGN KEY (project_id) REFERENCES Projects(project_id)	
	ON DELETE CASCADE	

Project will be implemented via the use of Node.JS and JavaScript as the programming language.

TRIGGER:

NAME: ActiveProjects

Trigger will be implemented to change Project description to state that Tasks are completed once all project specific tasks are completed.

VIEW:

NAME: Update_Project_Status

View will be created to allow both project table and incomplete tasks to be viewed.