User Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
first_name	VARCHAR(100) NOT NULL
last_name	VARCHAR(100) NOT NULL
username	VARCHAR(20) NOT NULL UNIQUE
email_address	VARCHAR(100) NOT NULL UNIQUE
password	VARCHAR(255) NOT NULL
signup_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP

Board Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
user_id	BINARY(16) NOT NULL
name	VARCHAR(255) NOT NULL
created_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
is_public	BOOLEAN DEFAULT FALSE

List Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
board_id	BINARY(16) NOT NULL
name	VARCHAR(255) NOT NULL
position	INT UNSIGNED NOT NULL

Card Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
list_id	BINARY(16) NOT NULL
name	VARCHAR(255) NOT NULL
description	TEXT
created_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
is_active	BOOLEAN DEFAULT TRUE
due_date	DATE
reminder_date	DATE

Board Members Table

Column Name	Data Type
board_id	BINARY(16) NOT NULL
user_id	BINARY(16) NOT NULL

Comments Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
card_id	BINARY(16) NOT NULL
user_id	BINARY(16) NOT NULL
content	TEXT NOT NULL
created_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP

Checklist Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
card_id	BINARY(16) NOT NULL
name	VARCHAR(255) NOT NULL
is_checked	BOOLEAN DEFAULT FALSE
position	INT UNSIGNED NOT NULL

Card Members Table

Column Name	Data Type
card_id	BINARY(16) NOT NULL
user_id	BINARY(16) NOT NULL

Card Activities Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
card_id	BINARY(16) NOT NULL
user_id	BINARY(16) NOT NULL
activity	VARCHAR(255) NOT NULL
created_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP

General Labels Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
name	VARCHAR(255) NOT NULL
color	VARCHAR(7) NOT NULL

Labels by Board

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
board_id	BINARY(16) NOT NULL
name	VARCHAR(255) NOT NULL
color	VARCHAR(7) NOT NULL

Labels by Card

Column Name	Data Type
label_id	BINARY(16) NOT NULL
card_id	BINARY(16) NOT NULL

Attachments Table

Column Name	Data Type
id	BINARY(16) PRIMARY KEY DEFAULT (UUID_TO_BIN(UUID()))
card_id	BINARY(16) NOT NULL
user_id	BINARY(16) NOT NULL
upload_date	TIMESTAMP DEFAULT CURRENT_TIMESTAMP
filename	VARCHAR(255) NOT NULL
location	VARCHAR(255) NOT NULL