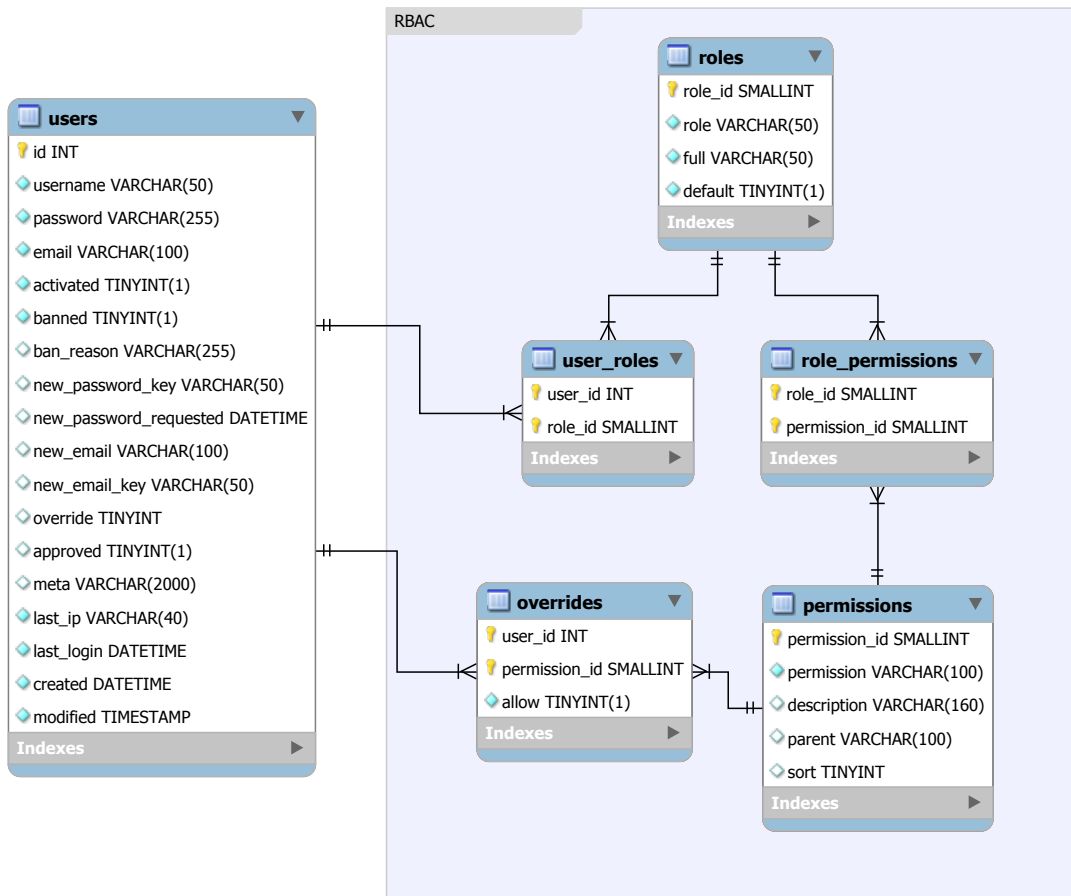A user can have more than 1 role as in the `user_roles` table.
A user may also override (add/remove) certain permissions by adding them to the `overrides` table.

RBAC

roles
- 🔑 role_id SMALLINT
- 🔷 role VARCHAR(50)
- 🔷 full VARCHAR(50)
- 🔷 default TINYINT(1)
- **Indexes** ▶

users
- 🔑 id INT
- 🔷 username VARCHAR(50)
- 🔷 password VARCHAR(255)
- 🔷 email VARCHAR(100)
- 🔷 activated TINYINT(1)
- 🔷 banned TINYINT(1)
- 🔷 ban_reason VARCHAR(255)
- 🔷 new_password_key VARCHAR(50)
- 🔷 new_password_requested DATETIME
- 🔷 new_email VARCHAR(100)
- 🔷 new_email_key VARCHAR(50)
- 🔷 override TINYINT
- 🔷 approved TINYINT(1)
- 🔷 meta VARCHAR(2000)
- 🔷 last_ip VARCHAR(40)
- 🔷 last_login DATETIME
- 🔷 created DATETIME
- 🔷 modified TIMESTAMP
- **Indexes** ▶

user_roles
- 🔑 user_id INT
- 🔑 role_id SMALLINT
- **Indexes** ▶

role_permissions
- 🔑 role_id SMALLINT
- 🔑 permission_id SMALLINT
- **Indexes** ▶

overrides
- 🔑 user_id INT
- 🔑 permission_id SMALLINT
- 🔷 allow TINYINT(1)
- **Indexes** ▶

permissions
- 🔑 permission_id SMALLINT
- 🔷 permission VARCHAR(100)
- 🔷 description VARCHAR(160)
- 🔷 parent VARCHAR(100)
- 🔷 sort TINYINT
- **Indexes** ▶

Tables `roles`, `permissions` and `role_permissions` contain inserted data used for testing.

Kindly clear these tables before working on your project.

Required tables

login_attempts
- 🔑 id INT
- 🔷 ip_address VARCHAR(40)
- 🔷 login VARCHAR(50)
- 🔷 time TIMESTAMP
- **Indexes** ▶

ci_sessions
- 🔑 session_id VARCHAR(40)
- 🔷 ip_address VARCHAR(16)
- 🔷 user_agent VARCHAR(150)
- 🔷 last_activity INT
- 🔷 user_data TEXT
- **Indexes** ▶

user_autologin
- 🔑 key_id CHAR(32)
- 🔑 user_id INT
- 🔷 user_agent VARCHAR(150)
- 🔷 last_ip VARCHAR(40)
- 🔷 last_login TIMESTAMP
- **Indexes** ▶

user_profiles
- 🔑 id INT
- 🔷 name VARCHAR(200)
- 🔷 gender CHAR(1)
- 🔷 dob DATE
- 🔷 country CHAR(2)
- 🔷 website VARCHAR(100)
- 🔷 modified TIMESTAMP
- **Indexes** ▶