User management system : Database Model , Domain Model

Database Model:
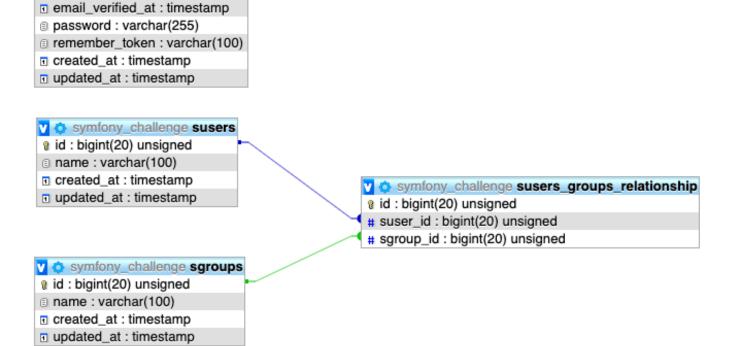
We have 4 main tables ,

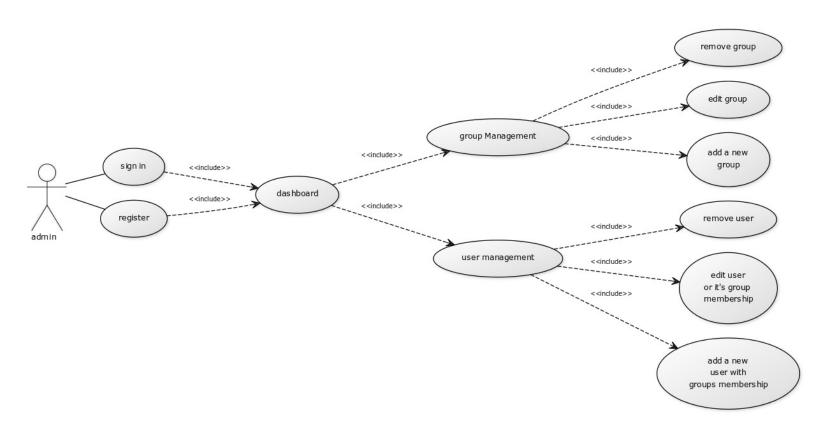1. Table for Admin Authentication : called 'users' table (this table is available by default for laravel authentication for admins / users).
2. Table for Groups : called 'sgroups' including ID (primary) , name , and timestamps
3. Table for Users : called 'susers' including ID (primary) ,name , and timestamps
4. Table for RelationShip of Users & Groups : called 'susers_groups_relationship' including ID (primary) , suser_id (foreign key of Users table) , sgroup_id (foreign key of Groups table).

The relationship between Users & Groups are Many to Many which means a group can have many users and a user can be a member of many groups.

V ⚙ symfony_challenge **users**
🔑 id : bigint(20) unsigned
▤ name : varchar(255)
🔑 email : varchar(255)
▯ email_verified_at : timestamp
▤ password : varchar(255)
▤ remember_token : varchar(100)
▯ created_at : timestamp
▯ updated_at : timestamp

V ⚙ symfony_challenge **susers**
🔑 id : bigint(20) unsigned
▤ name : varchar(100)
▯ created_at : timestamp
▯ updated_at : timestamp

V ⚙ symfony_challenge **susers_groups_relationship**
🔑 id : bigint(20) unsigned
suser_id : bigint(20) unsigned
sgroup_id : bigint(20) unsigned

V ⚙ symfony_challenge **sgroups**
🔑 id : bigint(20) unsigned
▤ name : varchar(100)
▯ created_at : timestamp
▯ updated_at : timestamp

User Diagram :

- Admin can login or register

- then redirected to dashboard

- from dashboard he can choose to go group management or user management.

- from group management he can add, edit or remove a group . (removing has a condition which it should be empty)

- from users management he can add ,edit or remove a user and specify it's group memberships.

UML Diagram :

including classes and the relationships and the connection of each class with tasks and controllers.