#### ASSEMBLE - DBMS SEM4 PROJECT - CEG

CS6106 DATABASE MANAGEMENT SYSTEMS

# **ASSEMBLE**

Platform to Assemble your Team Skill-based Team Management System.



#### **Creators of ASSEMBLE**

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#### **ABSTRACT**

Our idea is to create a platform where people are recognized by the projects that they build and the skills that they possess. And to enable brilliant like-minded people to collaborate easily. People or groups can find the necessary skill they require with our platform. We allow talented people to be viewed by other users by posting about their projects and their skills and help them find collaborators for their side-projects and works.

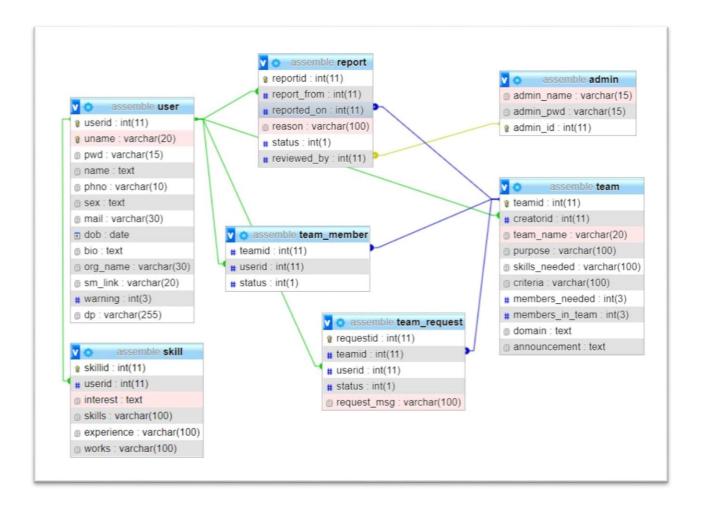
One of the sole barriers to talent identification is not knowing where to search. Whenever small-scale projects happen, people often form teams with known faces and not the right skilled people. Most of the time forming teams with familiar people will end up in a situation where a few members are not interested in the project. The current pandemic showed us that it is possible for humans to stay apart and still innovate through online mode. To adapt to the online mode of networking, ASSEMBLE helps!

ASSEMBLE is the name of the platform we created. It allows users to provide their personal and their skillset information to create their account which can be used by other users to search for the skillset they are looking for. We provide provisions for users to create their own team which can be viewed by others and interested users can send request to join which will be reviewed by the team creator based on their user profile.

Users can also report other users by providing necessary reasons which will be reviewed by the reviewer and the user will be flagged if found guilty. Flagging will appear on the user profile and thus makes the platform to be a safe place to find the right person for your projects.

The platform is built such that team creators can instruct their team members and thus allows communication between users. It primarily focuses on providing services for users to pursue their passion and to do side projects in a more informal way based on pure talent and the spirit of collaboration.

#### **RELATIONAL SCHEMA**



## SOFTWARE REQUIREMENTS

FRONTEND - HTML, CSS, JQUERY, BOOTSTRAP

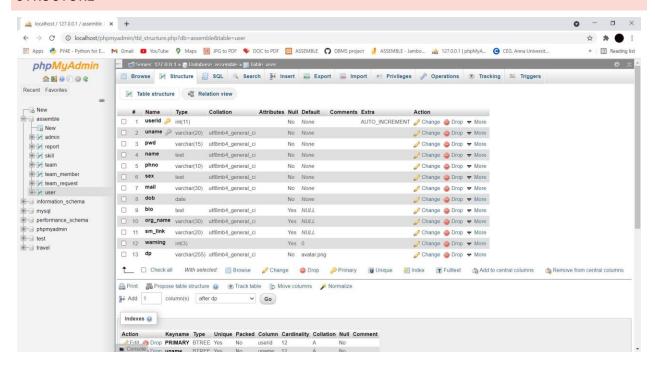
BACKEND - PHP

DATABASE - MYSQL

HOSTING - XAMPP

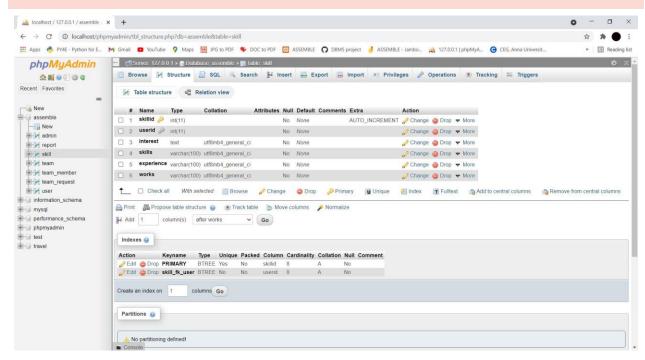
#### TABLE - USER

#### **STRUCTURE**



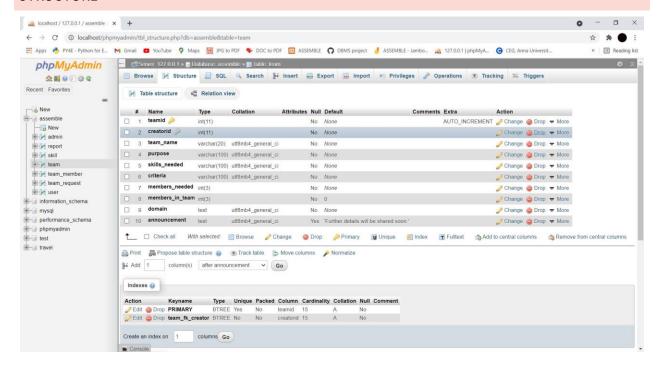
### TABLE - SKILL

#### **STRUCTURE**



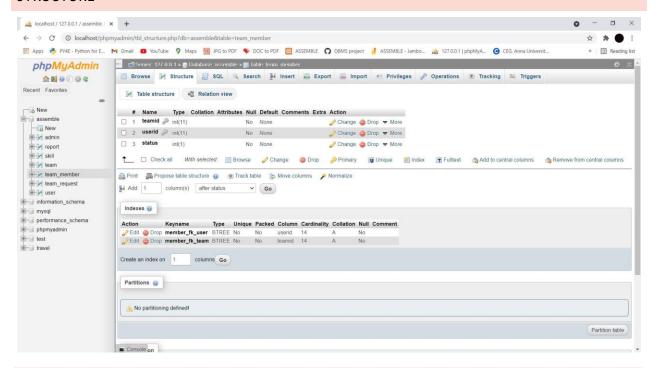
### TABLE - TEAM

#### **STRUCTURE**



# TABLE - TEAM\_MEMBER

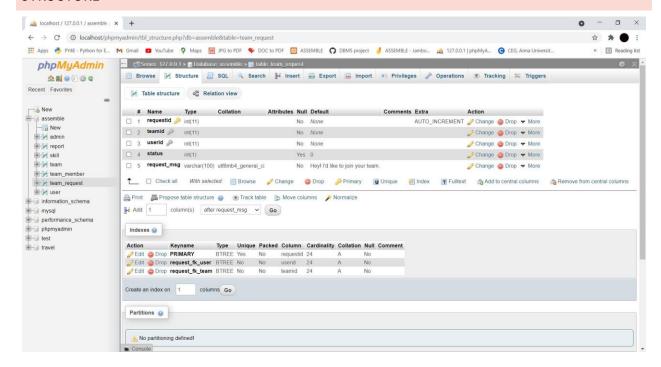
#### **STRUCTURE**



STATUS: 1 - CURRENT MEMBER
STATUS: 3 - REMOVED FROM TEAM

### TABLE - TEAM\_REQUEST

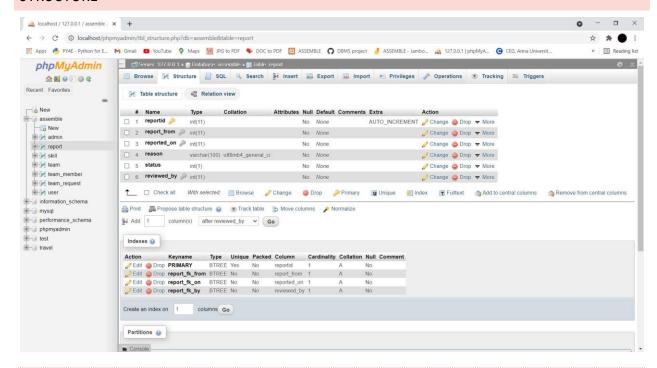
#### **STRUCTURE**



STATUS: 0 - REQUEST PENDING | 1 - REQUEST REJECTED STATUS: 2 - REQUEST ACCEPTED | 3 - REMOVED FROM TEAM

#### TABLE - REPORT

#### **STRUCTURE**

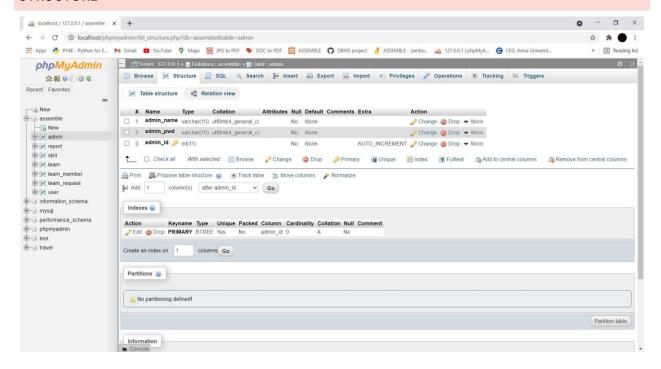


STATUS: 0 - REVIEW PENDING | 1 - REPORT DISMISSED

STATUS: 2 - WARNING GIVEN FOR TEAM CREATOR

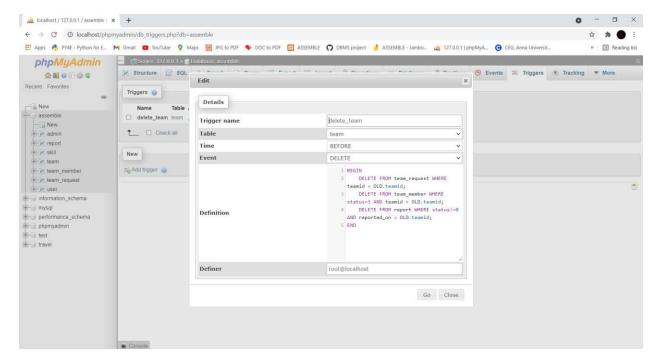
### TABLE - ADMIN

#### **STRUCTURE**



### TRIGGER - DELETE\_TEAM

When team is deleted, Reviewed reports, Requests to that team And team\_member entries who left the team(status=3) will be deleted.



#### TRIGGER - REPORT & LEAVE TEAM (BACKEND)

When a user reports & leaves a team, team\_member status updated as 3, Request to that team is deleted from team\_request table, And, in table team, members\_in\_team is decremented by 1.

### TRIGGER - ACCEPT REQUEST (BACKEND)

Before accepting a request, checks if the user has already been in that team & left it(status=3 in team\_member), if so, updates the status to 1. Else, creates new entry. Updates the status of request in team\_request table as 2.

#### TRIGGER - REMOVE MEMBER (BACKEND)

When team creator removes a member, Entry is deleted from team\_member table, Status of request to that team in team\_request table is updated to 3, And, in table team, members\_in\_team is decremented by 1.

#### TRIGGER - WARN TEAM CREATOR (BACKEND)

When warning is issued, status of report in report table is updated as 2, And, warning for team creator in user table is incremented by 1.

### TRIGGER - UNDO REVIEW (BACKEND)

When report review is undone,

If the current report status is 1 (report dismissed), status of report in report table is updated as 0,

If the current report status is 2(warning issued), status of report in report table is updated as 0, And, warning for team creator in user table is decremented by 1.