

Report

Introduction

For this project, we chose to create a Task Management System. The purpose of the system was to provide users with the ability to have an environment where they could add, delete, and efficiently manage tasks.

Project Brief

The main goal of this project was to create a system that would help individuals or teams acquire good prioritization skills and levels of performance. The system has two target bases; one is the user only looking for an environment where he can manage his tasks and keep track of them. And the other is where a user wants to break down a complex project for different users to complete for him. This is achieved by managing the needs of two different types of users. One user, which is the admin, is allowed to have more flexibility than the second user, who is the member. This program concept gives the admin the freedom to choose if he wants to be the first target base which is looking only for personal use, or the second target base, which is looking to use for group work.

System Details

The system provides each user with different operations; however, before using the functions, he must go through the login/registration panel. The panel is a system that enables users to conduct various tasks.

Here you have the main panel the user encounters to access the system. The construction of the Panel was achieved by using the concept of interface.

```
WELCOME TO THE TASK MANAGEMENT SYSTEM

(1) LOGIN
(2) REGISTER AS TEAM ADMINISTRATOR
(3) REGISTER AS TEAM MEMBER
(4) EXIT

Enter your choice:
```

After the user enters the system, they should register for the administrator, which is the default for both target cases mentioned above.

```
REGISTER PAGE

Enter your information
Full Name:sara nasser
Email:sara@gmail.com
Password:Sara@2211111
Success!
```

After the user register automatically, he will be added as an admin to the system, and an admin page will show for him to perform functions.

```
ADMIN PAGE

1 - Add Member
2 - Remove Member
3 - View Members
4 - Add Project
5 - Remove Project
6 - View Project
7 - Edit Project Name
8 - Add Task
9 - Remove Task
10 - Edit Task
11 - Assign Task
12 - Dashboard
13 - Profile
14 - Exit
Enter your choice: |
```

Operations the admin who is only looking to use the system for personal need can take:

1.create a project

```
ADD PROJECT

Project Title: My First Project!

      Yay! You've created your first project
      Now you can get started with adding tasks °
      and assigning work to your members (๑>▽<๑)! °
```

2.View project

| MY PROJECT | |
|-------------------|----|
| NAME | ID |
| My First Project! | 0 |

3.Add task: he must first select the project he would like to add the task to

| MY PROJECT | |
|-------------------|----|
| NAME | ID |
| My First Project! | 0 |

Please, Select a project and provide its ID for a task to be added:
Project ID: 0

ADD TASK

"Break the task into smaller parts to avoid procrastination (- 3 - -) ♡"

Enter Task Name:My First Task

Yay! You've created your first Task
Now you can get started with Assigning °
work to your members and getting things completed (๑>๓<๑)! °

4.view dashboard: he must first select the project he would like to view its progress

MY PROJECT

| NAME | ID |
|-------------------|----|
| My First Project! | 0 |

Please, Select a project and provide its ID to view its Progress:

Project ID: 0

MY FIRST PROJECT!

| TASK NAME | TASK ID | STATUS | ASSIGNEE ID | PRIORITY |
|---------------|---------|--------|-------------|----------|
| MY FIRST TASK | 0 | TODO | 0 | NORMAL |

5. edit task

| EDIT TASK | |
|------------------------|--|
| 1 - Edit Task Name | |
| 2 - Edit Task Status | |
| 3 - Edit Task Priority | |
| 4 - Exit | |

6. delete task

| MY FIRST PROJECT! | | | | |
|-------------------|---------|--------|-------------|----------|
| TASK NAME | TASK ID | STATUS | ASSIGNEE ID | PRIORITY |
| MY FIRST TASK | 0 | TODO | 0 | NORMAL |

Please, Select task and provide its ID for it to be deleted:
Task ID:0
Are you sure you want to delete task 0 \(""/ ! (N\Y)?
Y
Task has been deleted!

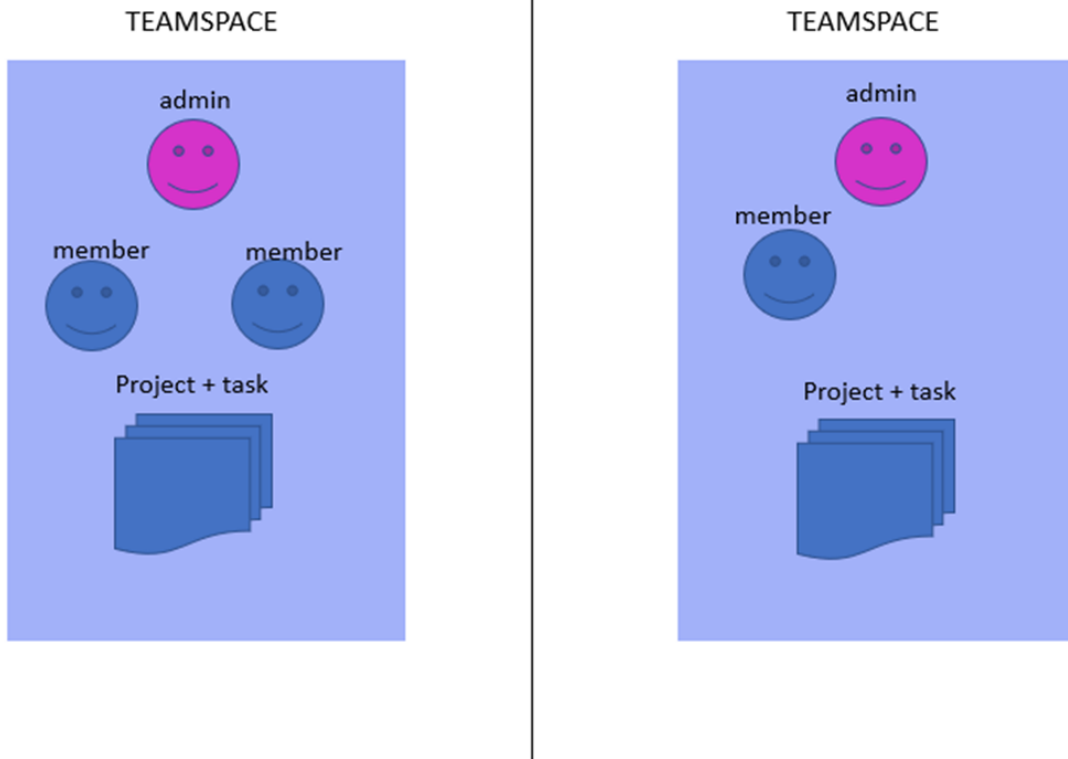
extra operations the admin who is looking to use the system to break down a complex project for different users to complete for him.

1. add member

ADD MEMBER TO YOUR TEAMSPACE

Please provide the member with the following to join your teamspace!
Generated Email: Member2022000020220001@tms.com
Teamspace Code: 1
Are you sure you want to add this email to your system in order for the member to activate it? \(""/ ! (N\Y)?

when adding a member, he must give the generated email and the teamspace code to the member manually



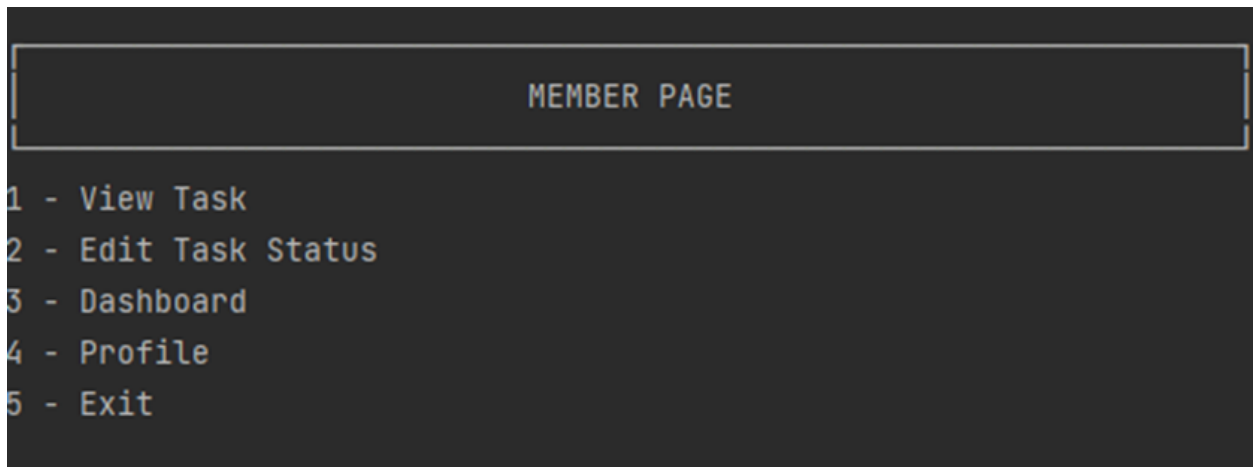
Teamspace is an id that is created when the admin is added to the system to keep his project and task, and members separate from other admins.

for the member to join the teamspace he must use the information given by admin.

REGISTER PAGE

This is the official Teamspace Code and Email for the team you are representing.
It's very important that this is entered accurately as this is used
to match you up to that team. The Team Admin should be able to provide this information for you.

Enter your information
Email: `Member20220000020220001@tns.com`
Teamspace Code: `1`



the member member would be able to perform limited tasks to the admin since his main goal is to do the task given by the admin.