

Task Manager

Patrick Jason J

MEPCO Schlenk Engineering College

jpatrickjason@gmail.com

Task Manager

User guide

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1 Introduction

Task Manager is a web application designed using Django which assists the people to create, manage tasks and teams by adding users, assigning the tasks and monitoring the status of the tasks assigned to them.

2 Getting Started

The requirements of the app are listed below:

2.1 Requirements:

- Django 2.1
- Python 3.6.x
- HTML5
- CSS
- Bootstrap 4.x.x

2.2 Quick Start

(Optional) Create a virtual environment and activate it with:

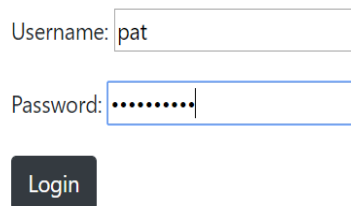
```
$ python3 -m venv .venv && source .venv/bin/activate
```

3 Setup

3.1 Login view:

Task Manager uses the built-in authentication system of Django which provides the user creation validations and also handles the permissions and sign-in. Here below the login view is provided

Login



Username:

Password:

Fig.1. Login form

Existing users can login by providing the username and the password

Template: login.html

View: LoginView(from Django authentication)

3.2 User creation form (Signup)

The signup form is given below where the user could create a new account in the task manger

Sign Up

Username :

Email :

We'll never share your email with anyone else.

Password :

Confirm Password :

Fig.2. Signup form

To create a new user navigate to the URL `accounts/signup` and the user must fill all Required fields .After creating a ID, the user is redirected to the login page.

The fields of the signup form is :

- Username
- Email
- Password
- Confirm password

Template: `signup.html`

View: `SignUp`

3.3 Homepage

This is the landing page or the home page where the user is redirected after a successful sign-in into the task manager application.

The homepage is given below:

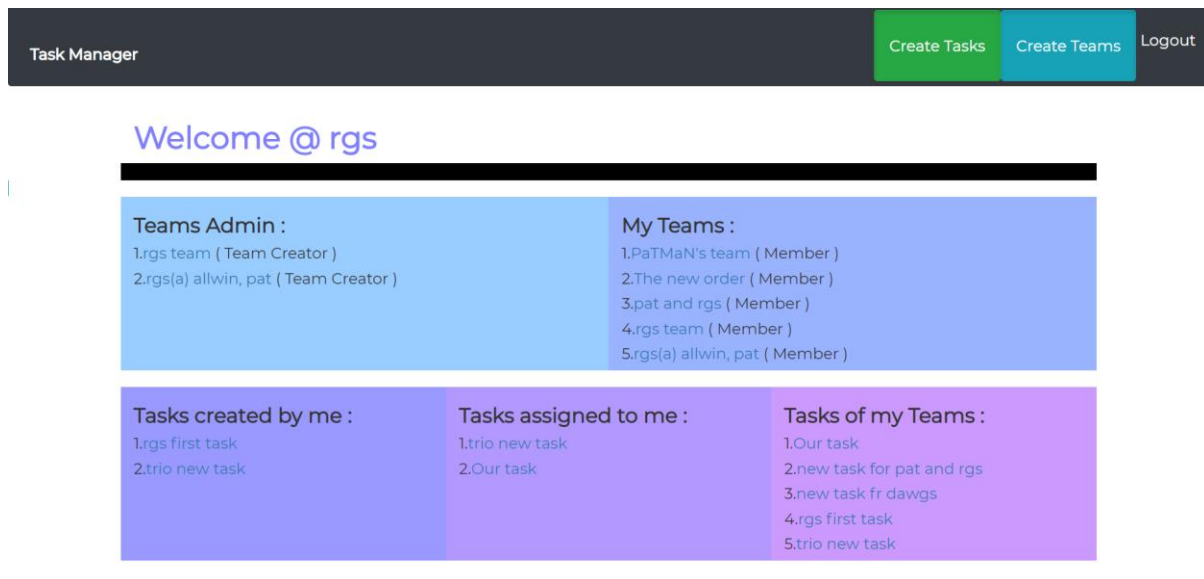


Fig.3.Home view

The Home page consists:

- Teams Admin where it shows the teams created by the user.
- In My Teams, the teams in which the user is a member is shown
- In Tasks created by me, the tasks created by the user are listed
- In Tasks assigned to me, the tasks assigned to the user are listed
- In Task of my teams, the tasks of the teams in which the user is a member is listed

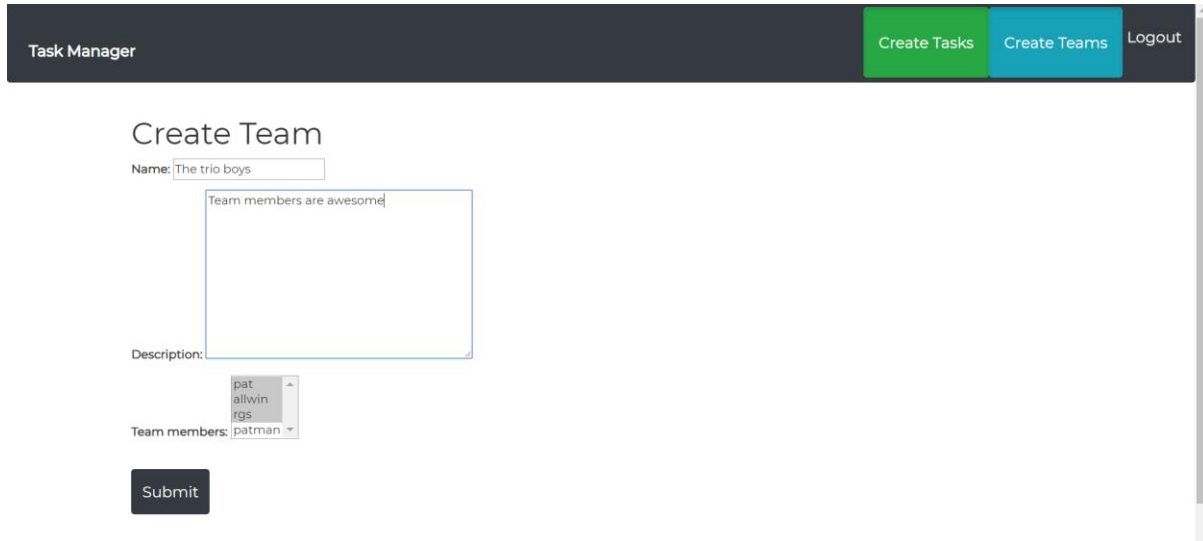
Template: tasks.html

View: TasksListView

3.4 Team creation form

Here the user can create a new team by giving a name, description for the team and adding the members to the team.

The Team creation form is given below:



The screenshot shows the 'Create Team' form within the 'Task Manager' application. The form has a dark header bar with 'Task Manager' on the left and 'Create Tasks', 'Create Teams', and 'Logout' buttons on the right. The form itself is titled 'Create Team' and contains the following fields:

- Name:** A text input field containing 'The trio boys'.
- Description:** A text area containing 'Team members are awesome!'. The label 'Description:' is to the left of the text area.
- Team members:** A dropdown menu showing a list of members: 'pat', 'allwin', and 'rgs'. The selected member is 'patman'.
- Submit:** A dark button at the bottom left of the form.

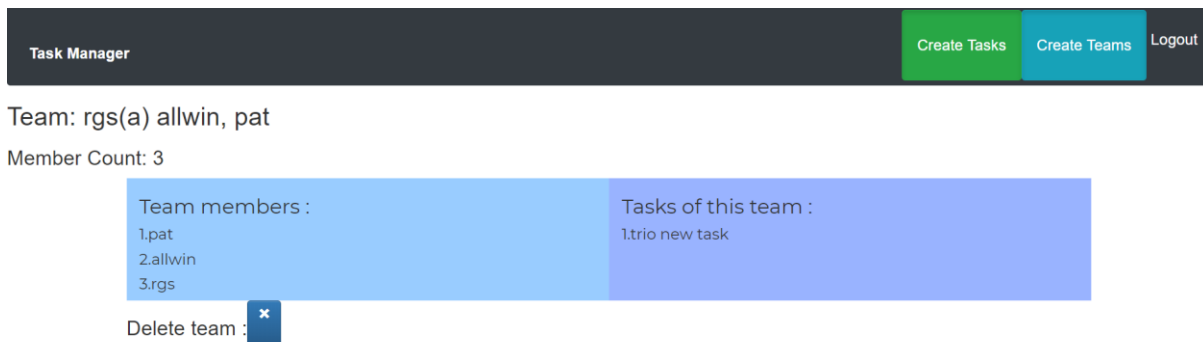
Fig.4. Team creation form

Template: teams_form.html

View: CreateTeams

The teams also can be viewed using the team detail view which lists the members of the team and task of the given team

The page is given below:

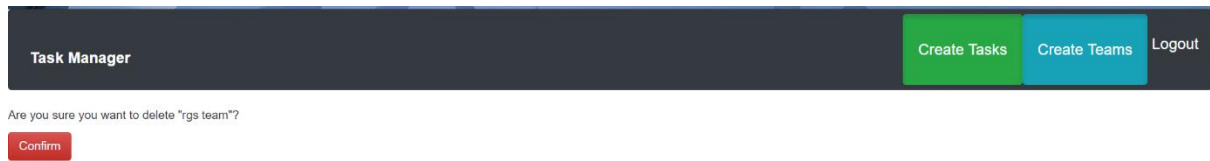


The screenshot shows the team detail view for the team 'rgs(a) allwin, pat'. The page has a dark header bar with 'Task Manager' on the left and 'Create Tasks', 'Create Teams', and 'Logout' buttons on the right. The main content area is divided into two columns:

- Team members:** A list of members: '1.pat', '2.allwin', and '3.rgs'.
- Tasks of this team:** A list of tasks: '1.trio new task'.

Below the columns, there is a 'Delete team' button with a close icon (x).

If the user wants to delete the team, the team confirmation delete will appear, which is given below:



Once the user presses confirm, the team will be deleted.

3.5 Tasks creation form

The user can create tasks for the users using the task creation form this form can be accessed by clicking the 'Create Teams' button in the Navigation bar.

A screenshot of a web application interface showing the 'Create Task' form. The top navigation bar is dark and contains 'Task Manager' on the left, and 'Create Tasks' (green), 'Create Teams' (blue), and 'Logout' on the right. The form itself is titled 'Create Task' and contains the following fields: a 'Title' text input with the value 'Testing new task'; a 'Description' text area with the placeholder text 'We are doing testing' repeated ten times; a 'Status' text input with the value 'Active'; and an 'Assigned to team' dropdown menu with 'rgs team' selected. At the bottom of the form is a dark 'Submit' button.

Fig.5.Tasks creation form

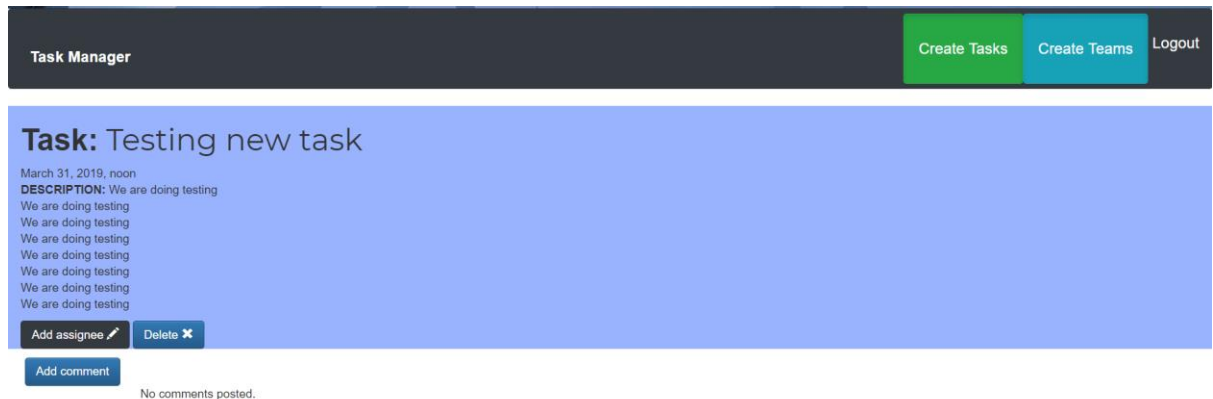
The user must fill in the all the required fields

- Title
- Description
- Status
- Assigned to team

After filling the fields and clicking the submit button, the task can be created.

After the creation of the task, the user is redirected to the task detail view where the user can add assignee, delete the task or also add comments to the tasks.

Next the assignee can be added using the add assignee form which is given below

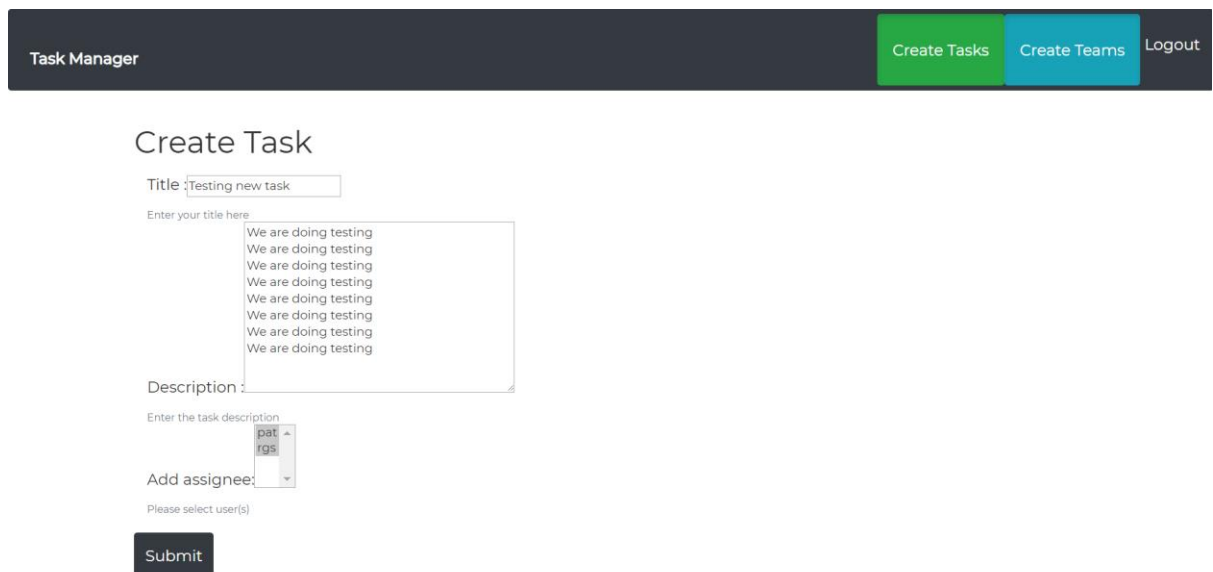


The screenshot shows the 'Task Manager' header with 'Create Tasks', 'Create Teams', and 'Logout' buttons. The main content area has a blue background and displays task details for 'Task: Testing new task'. It includes a timestamp 'March 31, 2019, noon', a description 'DESCRIPTION: We are doing testing' repeated eight times, and buttons for 'Add assignee' (with a pencil icon) and 'Delete' (with an 'x' icon). Below these are an 'Add comment' button and a note 'No comments posted.'

Fig.6. Task detail

In this by clicking the add assignee button, add assignee form can be opened

The add assignee form is given below:



The screenshot shows the 'Create Task' form. It has a 'Title' field with 'Testing new task' and a 'Description' text area with the same repeated text as in Fig.6. The 'Add assignee' dropdown menu is open, showing a list of users with 'pat' and 'rgs' visible. A 'Submit' button is at the bottom. The header is identical to Fig.6.

Fig.7. Add assignee form

In this form the desired users can be added and the submit button can be clicked to assign the users to the tasks, here only you can assign the task to members of the team to which the task is assigned.

The task can be deleted using the delete button available in the detail view and a confirmation page will appear and the user must confirm and delete the task,

The delete confirmation page is given below:

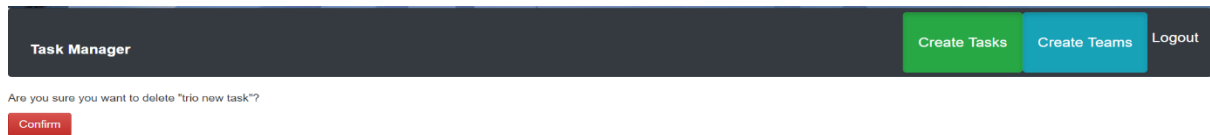


Fig.8. Task delete confirmation

The users can also comment on the tasks by pressing the Add comment button, then the comment creation form will appear

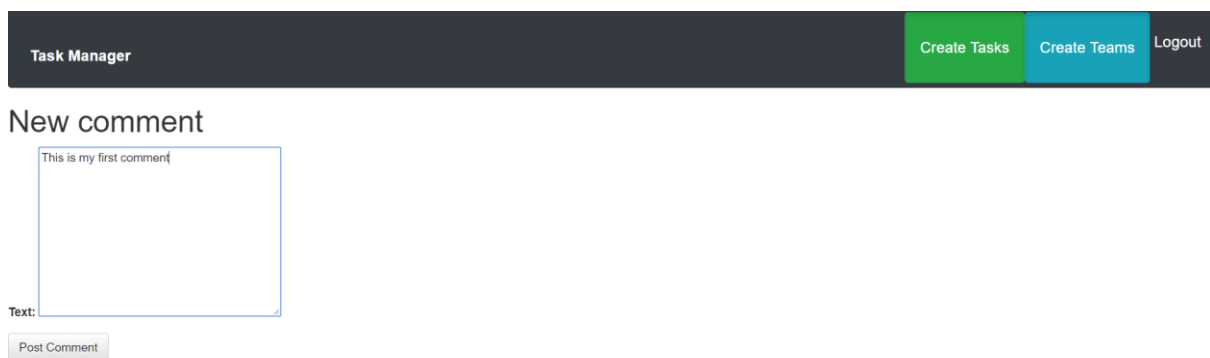


Fig.9. Comment creation form

After clicking the post comment, the comment will be posted for the specific task

Note:

- The UML diagrams , process flow, models are given in the design architecture documentation
- Link to the GitHub repo: