A Simple Task tracker Application

Objective

Build a simple web application which helps **users** to create a **task** and associate it with a **team.** The **team leader** of the team will assign the **team member or team members** to the task. The **team member** will update the status of the task.

Note: *Only **Users** will be able to create **tasks** and **teams**.*

ORM guidelines:

1. Custom User model with roles User, Team leader, Team member (hint: use AbstractUser model of django)
2. Create a Task model
   (hint: model fields - id, name, team, team members, status, started_at, completed_at)
3. Create a Team model
   (hint: model fields - id, name, team leader, team members)

Note: *If you need to create any other models or database tables feel free to do so. Above 3 are just the basic requirements.*

Backend flow:

Users/team leaders/team members can be created using the django admin interface or command line and assign them specific roles mentioned above.

Use Token Authentication for all the APIs provided by DRF.

1. Create Team API with necessary fields (name, team leader and team members)
2. Create Task API with necessary fields (name and team) - Once task is created, send an email to the team leader of the associated team with task details (async background task)
3. Update Task API
        - team leaders will be able to update all task fields
        - team members will be able to update the status only (status can be "Assigned", "In progress", "Under Review" and "Done")
4. Retrieve Tasks API
        - Retrieve a list of all tasks (all fields of Task model included)

Requirements:

Use Django as the project framework and Django rest framework for building RESTful APIs.
Use Celery for any background tasks and console backend for sending email
Maintain the proper code structure, naming conventions etc.