Objective:

   You are required to build a Task Board which will help the users to see a list of tasks assigned to them and their team. The users can update the status of the tasks and filter pending tasks helping them to plan their work.

Features:

- Admins should be able to add users, invite them and create teams.
- Upon receiving an invitation the user can login and enter basic details like full name, role(What do I do), phone number.
- After a successful login, the user will be redirected to the Task Board view which shows a list of cards (i.e Tasks) of their team.
- A task will have details like Title, Description, Priority(Major, Normal, Minor), Planned Date, Status(Todo, In progress, Completed), Assignee, Reporter. It can also have attachments i.e Files linked to it. Assignee can be anyone from that particular team.
- The information you display on the card view for a Task should be very crisp and should adapt as per the screen.
- The Task board view should allow users to sort based on priority, planned date and filter using users. Add a task option should also be prominent on this screen.
- On selecting a task the user can view details of the task and also of course update the status of a task. It is required that the state of the task is properly maintained.

   The app will only be used by users for the Task board view. No need for handling Admin stuff in the app.

   In the "Add a Task view", while entering details of a task, make sure that the draft state is saved in the client cache which helps in case if the internet goes off the user can resume entering from that state.

   Brownie points for UI/UX Attention.
   1) Drag and drop a task to update status.
   2) Sending users notification when their task is due.

Tech Stack:
BE
1. Java, Spring Boot
2. NodeJS, Express
3. Python, Flask

FE
1. React or Plain javascript

Android

    1. Kotlin

iOS
    1. Swift

DB
    1. MySQL
    2. MongoDB (if Doc store is required)

API contract
    1. Postman
    2. Swagger
    3. Blueprint

Code and Servers:
1. Upload to github. Create a repo on your personal account and then share it with your team members. Don't create the repo under Practo organisation.
2. Use heroku or AWS for hosting.
3. You can use anything else as long as you can share the link with us. Local servers are not going to be accepted. (no tunneling and all, server needs to be up always till it is asked to be shut down)

Expectations from the project:
1. Running code
2. No PPT or slides
3. Engineering Design document ([Sample Link](#))
   a. What's the project about?
   b. What are the features that the project has?
   c. ER diagram
   d. API Documentation
   e. Tools and Tech Used
   f. It should have instructions on how to run the code
4. Test cases and test coverage