

## **Objective:**

You are required to build a web application and an app for an open forum platform. Users can create a post and add comments to it. They will be rewarded with user badges and can see leaderboards.

## **Features:**

- A user can login with a social media account let's say Google or Facebook. User level information like Full Name, DOB, Demographic details should be captured.
- Users can create posts which can have images attached to it along with a description and a title which users can comment upon.
- An upvote system for both posts and comments.
- Each post and a comment will offer the users some points. Based on the User's total score he will get badges.
- Badges can be like Level 1(Contributor), Level 2 (Regular Contributor), Level 3(Great Contributor), Level 4 (Ace Contributor). The algorithm for this is up to you.
- A leaderboard which shows trending posts and all time great users and posts.

The web app will allow users to see leaderboard, trending posts and create posts.

Brownie points.

- 1) A moderator view through which we can hide/delete posts and comments.
- 2) A mobile app which allows users to browse posts and upvote them.

## **Tech Stack:**

### **BE**

1. Java, Spring
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)

### **Swagger**

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