Your task

There can never be a perfect development team who builds a perfect app. Be it code debt, code smell, architectural flaw or bad coding practice, it is living in the source code to ruin the development teams day at any moment. Luckily we do a lot code reviews, but we can do much better by bringing in another team to review/audit the app.

You must build a **Code Audit Tracker** to do the same.

Features you need to cover in this app

1.   User types

   Admin and **User**

2.   Login and signup page. The following fields are required to signup

   a. firstname (required)
   b. lastname (required)
   c. email (required)
   d. password (required)
   e. confirm password (required)
   f. role (required): Allowed choices: Frontend | Backend | User Interface | Business Analyst | Quality Assurance | Project Manager

3.   Views to manage registered users, following views must be included

   a. View the list of registered users (Both **Admin** and **User** can view this page)
   b. Edit a user (**Admin** can edit and approve/activate all the registered users, a **User** can edit his/her own profile). Multiple teams can be assigned to a user (refer 4 for **Team** details)
   c. Add a user (Only **Admin** can add a **User)**

4.   View to manage teams, following views must be included

   a. View the list of teams (Both **Admin** and **User** can view this page)
   b. Add a **Team** (Only **Admin** can add a **Team**)
   c. Edit a **Team** (Only **Admin** can edit a **Team**)

   Following fields are required for a **Team**

   a. Name (required)
   b. Date of formation (required)
   c. Team lead (required, any registered user can be a team leader)
   d. Team members (required at least one)

   *** If a user is assigned as a team leader, the team should be added to user profile

   *** If a user is added to the team as a member, the team must be updated to the user profile

5.   Audit page, following views must be included

a. View the list of all **Audits**

b. Start/Create an **Audit** (Both **Admin** and **User** can start an **Audit**), The following information are required to start an audit

1. Auditee (required, One team can be added)
2. Auditor (required, At least one team is required)
3. Date of audit start (required)
4. Status (required, choices: ADD (on going) EDIT (on going | closed | canceled))

*** For a new audit 'on going' must be assigned as a status automatically

c. Audit details view. This view can be accessed by clicking on any of the audits in the **Audit** list page. It must consists of the following sections:

1. Auditor Members Section (This section will show all the members from Auditor team)

2. Auditee Members Section (This section will show all the members from the Auditee team)

4. Memo Section (Any member from the auditor team can Add/Edit/Remove a Memo). The following information is required to create a memo

a. Memo description (required, example: FE team must refactor validation logic for team creation page)
b. Assigned to (required, at least one member from the auditee team)

5. Resolved Section (Any member from Auditor/Auditee team can move a to this section or move a memo from resolved to memo/TBD section, in this section)

6. To be discussed (TBD) section (Any member from Auditor/Auditee team can move a memo to this section or move a memo from this section to memo/resolved section, in this section) *** Memos which are not clear will be moved to this section

In this view the team leader from the Auditor team can close / cancel the **Audit** by changing the status of the audit to closed / canceled

*** *Wherever a form is submitted, please show a toast or a snack bar for success or failure*

*** *You can use dummy server or a server of your own choice for your back end. We highly recommend using a dummy server (this might help https://www.npmjs.com/package/json-server) as this is a FE only task*

*** *The layout of the app (look and feel) is totally depends on your discretion/creativity*

*** *You must push your app to GitHub and send the repo link to us after the task is completed*

*** *You can add any additional features*

You will use latest stable version of angular for this project. While building the app, the following must be covered or used in the app.

1. Reactive forms
2. State Management

3. Rxjs
4. Auth Guards
5. Routing
6. API call (http request)
7. Lazy Loading