

Coding Assignment

Phase 1 – APIs

Build a RESTful API app that lets you manage companies and users. The company/user data should be stored in a database. The preferred tech stack is Node Express, MySQL, but you are free to choose the stack you love.

Company Fields

- Company Name
- Company Address
- Coordinates (latlong based on company address, fetched dynamically)

User Fields

- First name
- Last name
- Email
- Designation
- Date of Birth
- Active (Boolean)

Endpoints

Companies

1. List companies
2. Get a specific company by ID
3. Create a company
4. Update a company
5. Add / remove users to / from a company
6. Delete a company

Users

1. List users
2. Get a specific user by ID
3. Create a user
4. Update a user
5. Deactivate a user (sets to active=false)
6. Delete a user

Note: The endpoints should follow RESTful resource naming conventions, relevant HTTP verbs, handle status codes and emit JSON.

Phase 2 – UI

Build a rich, UI-friendly web app on top of your REST APIs to manage companies and users from the browser. The preferred front-end stack is React, but you are free to choose the stack you love.

Operations Supported

1. Create and manage companies
 1. On the company detail page, show the company address plotted on the map based on your stored coordinates
2. Create and manage users under companies
3. Migrating a user to another company

#w/effy/hiring