## **Cohort Exercise**

#### **Total 10 Marks**

You may submit your codes in a zip file with folders and subfolders, and a report to explain your codes.

## Question 1 (5 Marks)

#### Setup

- 1. Extract the given project ce8\_q1, in a folder. Run npm i to download all the dependencies.
- 2. Install mysql (version >=8)
- 3. In mysql shell
  - 1. Create a database named ce8q1
  - 2. Create a non root user with a secure password
- 4. Modify models/db.js according to your newly created user.
- 5. Examine models/dept.js, models/staff.js and models/work.js. You don't need to modify any of these files.
- 6. Examine routes/dept.js and routes/staff.js, You don't need to modify any of these files.
- 7. Examine app. is . You don't need ot modify it.
- 8. Examine views/dept.ejs and views/staff.ejs. You don't need to modify any of these files.

### Task 1 (2 Marks)

Complete the TODOs in the client side JavaScript public/javascripts/deptajaxclient.js so that the user can use the form in https://localhost:3000/dept/ to add new department and view the list of existing departments.

#### Task 2 (3 Marks)

Complete the TODOS in the client side JavaScript public/javascripts/staffajaxclient.js so that

the user can use the form in https://localhost:3000/staff/ to add new staff and view the list of existing staffs.

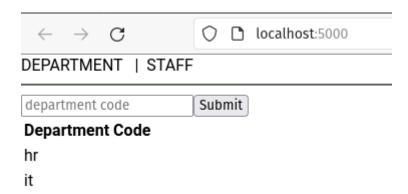
# Question 2 (5 Marks)

#### **Setup**

- 1. Reuse the express web app from question1, keep it running at port 3000.
- 2. Add the necessary code in the respect end-points to allow access from localhost: 50000.
- 3. Extrac the given project ce8\_q2, in a folder. Run npm i to download all the dependencies.
- 4. Start the app with npm start

### Task 1 (2 Marks)

Complete the TODOs in the React component Dept.js so that the department table can be rendered.



#### Task 2 (3 Marks)

Complete the TODOs in the React component Staff.js so that the deptartment code drop download can be rendered on start.

