

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.js` . 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:5000` .
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.

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localhost:5000

DEPARTMENT | STAFF

department code

Submit

Department Code

hr

it

Task 2 (3 Marks)

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

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localhost:5000

DEPARTMENT | STAFF

name

hr ▼

Submit

Staff Name Department

aaron

hr

betty

hr

billy

it

charlie

it