

1. Project info:

1.1 Basic idea

This is a university dummy project (one page react based) and the main function is to have a match-making process on this job match app.

There are 3 kinds of accounts,

1. Admin - Have authority to delete contractors and contractees
2. Contractor - Have authority to Post a Job, Delete a job and search the matching contractee based on their Field (Plumber, Electrician etc).
3. Contractee - Have authority to search jobs by contractors based on their field.

1.2 What this app should have:

1. A dashboard for all the user types and display,
 - a. Admin - Display all the contractors and contractors in a table view with a button to delete any users.
 - b. Contractor - Must have a button to post a job. (**Check 2.1 to see post job info**), A button to trigger a searching function which will search through the database and returns all the matching contractee related to the job posting field, a function to delete the posted ad.
 - c. Contractee - Display a list of jobs based on the field on the contractee and location. (Searching through the database and then Filtering function based on Location).
2. When a contractor posts a new ad, it should update the database and must display on the home page.
3. Login/Signup/logout function (I made the UI and connected database but it needs some modification - **Check 2.2**)

2. Detailed Info

2.1 Post a Job info

This is a form only for contractors to post a job.

This form should have a field to put info about the job.

Input fields:

1. Name
2. Location (Melbourne, Sydney, Brisbane)
3. Email
4. Phone number
5. Field (Plumber, Electrician, Home inspector, Boilermaker, Landscape Designer, other)
6. Description
7. Apply button - (open up a mailto: window and sending an email option)

2.2 Login/Signup form

Sign in form

1. User can use email and password to sign up and then redirect to the dashboard.

Sign up form

1. Only Contractors and contractee can sign up. (Admins cannot sign up from the front end).
2. Sign up form should have these fields,
 - a. Name
 - b. Location (Melbourne, Sydney, Brisbane)
 - c. Email
 - d. Password
 - e. Radio button to choose between Contractor or contractee.
 - f. Drop down menu Field(Plumber, Electrician, Home inspector, Boilermaker, Landscape Designer, other).

After a successful sign up, redirect to dashboard and display the appropriate components depending on the user type.

3.0 Account types and functions:

1. Admin:

- a. This is the highest level authority of the app and admin dashboard should display a list of all contractors and contractee.
- b. It also should display all the current jobs
- c. Admin can delete any job or any contractor/contractee.

2. Contractor:

- a. Can post a job.
- b. Can delete the job
- c. After posting the job, contractor can search all the matching contractee based on the field of the job. This should display a list of all the contractee.

3. Contractee:

- a. Can search for matching jobs based on the field they used when they are signing up.
- b. Can check more info about the job by clicking the "Check" button.
- c. Can email the job contractee (When click the apply button, open a email window to send the email).

4.0 Tasks

1. Create/Modify login/sign up forms.
2. Create dashboard for all users
3. Create a post job form and required buttons.
4. Create all the user types and their functions.
5. Display all jobs on the home page as cards

6. Must need to have proper comments about the code you are doing and also you need to put a comment like `// <yourname> code starts here` at the start of your code and a comment like `//<yourname> code ends here`, So i can see what files you edited. (This is to update my github and to understand.)