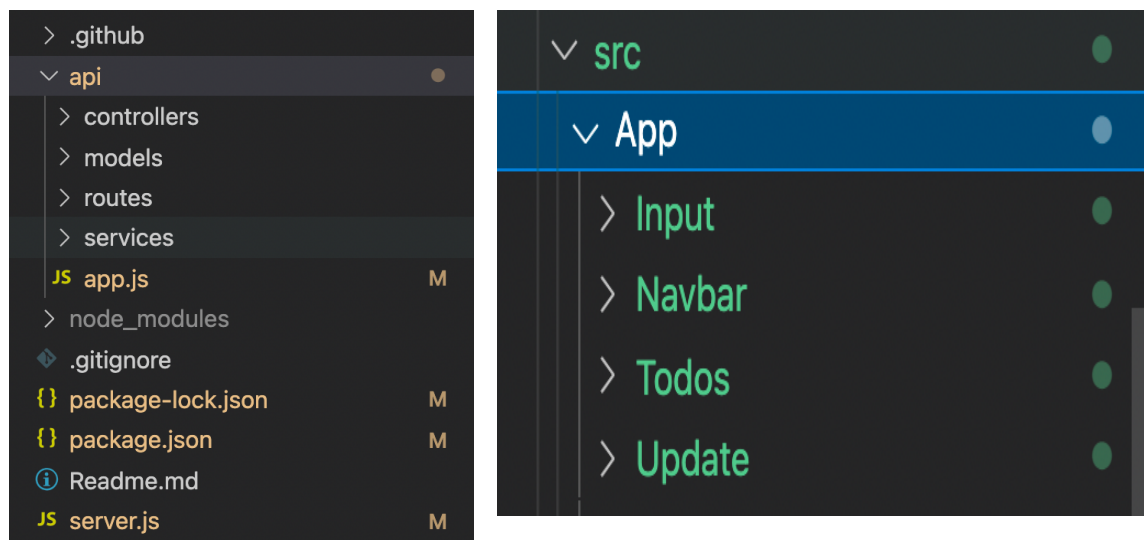# Assignment - 9

Project Overview: React Job Portal with Material UI and Axios

Objective: Develop a comprehensive job portal using React, **Material UI(optional)**, and Axios. This portal should offer a user-friendly interface for job seekers to explore job listings and company profiles. The project will encompass **front-end development, session management, and dynamic content rendering.** Project will be further improved in the next assignment, so make sure you have proper folder structure.

Connect your previous node assignment to this assignment. Create a login page. Use usernames and passwords created in last assignment to login successfully. You don't have to create new user and password(sign up page). You can manually enter the data in backend and verify that with frontend(i.e., Just create login page). Follow REST API folder hierarchy (Server.js should be entry, router.js, controller.js, service.js, model.js). Refer the folder structure in attached images.

Note : While **Material UI(optional)** is recommended for its comprehensive suite of components and ease of integration, its use in this assignment is optional. For those choosing not to use Material UI at this stage, you are encouraged to explore other UI libraries or frameworks to achieve a polished and responsive design. In the next assignment, however, the use of Material UI will be expected to enrich the user experience further. No deductions will be made for opting for basic or alternative solutions in this assignment. Some suggested alternatives include: Bootstrap, CSS.

Technical Requirements

→Login and Session Management:
- Implement a login page that uses stored usernames and passwords for authentication.
- Utilize Axios for API calls to authenticate users and manage session states.
- Include a logout feature that securely ends user sessions, ensuring privacy and security.

→Job Portal Pages and Routing:
- Develop 5 main pages using React components and react-router for navigation: Home, About, Job Listings, Contact, and Company Showcase(List of Companies). **Make sure to follow separate folder structure for every component.**
- Employ Material UI components or any other of your choice to enhance the design and user experience of each page.
- Ensure that the application's routing is well-structured and allows for easy navigation between pages.

→Job Listings with Frontend Data:
- On the Job Listings page, dynamically list job positions. Each listing should detail the job role, required skills, and salary.
- **Manage data within the frontend** to handle the dynamic listing of jobs, ensuring the data is fetched from jobPosts object mentioned at the end. Note : No need to make API request, it will be in front-end only.

→Company Showcase with Image Gallery:
- Display a gallery of company images with corresponding names on the Company Showcase page.
- Images should be sourced from a backend server, as implemented in a previous assignment. This task focuses on displaying the images rather than uploading new ones from the frontend. **Note :** Images for this assignment can be fetched according to individual user or could simply be general images retrieved from the backend; it is not

necessary for them to be specific to a particular user. In the Assignment-10, you need to restructure APIs so that you fetch images according to the user.

→Material UI Components:
•   Explore and integrate various Material UI components across the portal to create a consistent and responsive design.
•   Utilize the Material UI card component on each page to present information. Use React's map() function to dynamically generate these components based on data.

→Version Control and Documentation:
•   Maintain the entire project within a Git repository, including a .gitignore file to exclude node_modules and other non-essential files.
•   Write a comprehensive README.md file that details the project's setup, structure, navigation, and any other relevant information.

→Additional Instructions
•   For all API requests, use Axios to ensure efficient communication between the frontend and backend.
•   **For axios refer this link** : https://www.youtube.com/watch?v=12l6lkW6JhE
•   Showcase your expertise in Material UI by leveraging its wide range of components throughout the job portal. This includes navigation bars, buttons, cards, and form elements, among others.

Links :   https://www.youtube.com/watch?v=12l6lkW6JhE

Sample Data:

```
const jobPosts = [
 {
   id: 1,
   title: 'Full Stack Developer',
   description: 'Join our dynamic team to work on cutting-edge technologies. Develop
and maintain sophisticated web applications for our diverse client base.',
   lastUpdated: 'Last updated 2 days ago',
```

```
    applyLink: 'https://example.com/apply/full-stack-developer',
  },
  {
    id: 2,
    title: 'Digital Marketing Specialist',
    description: 'Elevate our digital marketing strategies to promote our innovative
products. Proficiency in SEO, SEM, and social media marketing is highly valued.',
    lastUpdated: 'Last updated 1 day ago',
    applyLink: 'https://example.com/apply/digital-marketing-specialist',
  },
  {
    id: 3,
    title: 'UX/UI Designer',
    description: 'Shape engaging user experiences and create visually captivating designs.
Work alongside cross-functional teams to turn ideas into reality.',
    lastUpdated: 'Last updated 4 hours ago',
    applyLink: 'https://example.com/apply/ux-ui-designer',
  },
  {
    id: 4,
    title: 'Data Scientist',
    description: 'Leverage advanced analytics and machine learning to uncover insights
from vast data sets. Proficiency with Python and R is a must.',
    lastUpdated: 'Last updated 3 days ago',
    applyLink: 'https://example.com/apply/data-scientist',
  },
  {
    id: 5,
    title: 'Customer Support Representative',
    description: 'Deliver unparalleled customer service and support. Exceptional
communication skills and a knack for solving problems are key.',
    lastUpdated: 'Last updated 6 hours ago',
    applyLink: 'https://example.com/apply/customer-support-representative',
  },
  {
    id: 6,
    title: 'Project Manager',
    description: 'Guide and coordinate project teams
```