**Project Assignment: Simple Job Posting Website (React + MongoDB)**

**Goal**

Build a small full-stack web application where:

* Employers can post job opportunities.
* Job seekers can view available jobs, apply, and upload their CV.
* The project should be fully functional and completed within **3 days**.

**Core Features**

**1. Job Posting (Employer Side)**

* A simple page/form to create a job post.
* Each job post should include:
  + Job Title
  + Company Name
  + Job Description
  + Location (optional)
  + Salary (optional)
  + Date Posted (auto-generated)
* Save the job posts in **MongoDB**.

**2. Job Listing (Public/Applicant Side)**

* A page showing the list of all job postings.
* Display job title, company name, and short description.
* Allow users to click on a job to see full details.

**3. Job Application (Applicant Side)**

* On job details page, applicants can:
  + Enter Name
  + Enter Email
  + Upload CV (PDF or DOC)
* Applications must be stored in the database, with a link or file path to the uploaded CV.

**🗄️ Tech Stack Requirements**

| **Layer** | **Technology** |
| --- | --- |
| Frontend | React.js (Vite or CRA) |
| Backend API | Node.js + Express.js |
| Database | MongoDB (Atlas or local) |
| File Uploads | Multer or similar package |
| Styling (optional) | Tailwind, Bootstrap, or plain CSS |

**Suggested Project Structure**

/client (React frontend)

/src

- pages (JobList, JobDetail, PostJob)

- components

- services/api.js

/server (Node.js backend)

/routes (jobs, applications)

/models (Job.js, Application.js)

/controllers

/uploads (stored CV files)

**Functional Requirements**

* Use REST APIs for communication between frontend and backend.
* Use Axios or Fetch for frontend API calls.
* Store uploaded CV files on server (or GridFS if preferred).
* Basic validation (no need for authentication or admin system).

**Bonus (Optional, Not Required)**

* Add pagination or filtering in job listing.
* Simple admin page to view all applications.
* Form validation or user-friendly alerts.
* Deploy on free services (Render, Vercel, or Netlify + MongoDB Atlas).

**Deadline**

* Total project duration: **Monday morning**
* Deliverables:
  + Source code (GitHub/GitLab)
  + README.md with setup instructions