

Project Guidelines: Airtable Clone Application

Overview

As part of this project, candidates are required to develop an **Airtable-like application** [www.airtable.com] that allows users to create and manage tables with **dynamic fields**. The goal is to demonstrate the ability to build a functional full-stack application with proper authentication, authorization, and data validation mechanisms.

Project Requirements

1. Dynamic Table Creation

- Users should be able to create tables where the structure (i.e., fields/columns) can be defined at runtime.
- Each table must include **at least 10 different types of fields** (e.g., text, number, date, dropdown, checkbox, etc.).
- Input validation must be implemented for all field types.

2. Authentication & Authorization

- Implement a secure **JWT-based authentication system**.
- Users should only be able to access and manage their own tables and data.
- Proper route protection must be enforced to prevent unauthorized access.

3. Technology Stack

- **Frontend**: React (Minimal UI is sufficient, focus on functionality over design).
- **Backend**: Node.js with Express.
- **Database**: You may use either **MongoDB** or **SQL**.
- Use of external UI libraries is permitted but optional.

4. Project Submission

- The project must be done **individually** by each candidate.
 - Submit your project through the official form that will be provided.
 - You must include your **public Git repository link** (e.g., GitHub) as part of the submission.
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Disqualification : ❌

A candidate will be immediately **disqualified** from the project under the following conditions:

- **Use of AI Tools**: Use of ChatGPT, Copilot, or any other AI-assisted code generation tools.
- **Plagiarism**: Copying code from other students, public repositories, or online sources without acknowledgment.
- **Group Work**: Working as a team or submitting a jointly developed project.
- **Late Submission**: Failure to submit the project within the announced deadline.
- **Incomplete Submission**: Missing required features such as authentication, field validation, or proper database handling.

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Important Notes

- Functionality is the primary evaluation criterion. The UI can be simple but the application should be fully functional.
- Follow best coding practices including modular structure, meaningful variable names, and proper error handling.
- Ensure that your application runs without errors during review.

Deadline and Evaluation

Details regarding the submission deadline and evaluation process will be shared shortly. Projects will be assessed on the basis of functionality, code quality, and originality.