

Assignment-AI Intern

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Business Requirement

- At Enzigma, we have developed our own no-code/low-code app creation platform, [noKodr](#).
- This application enables rapid app development using a drag-and-drop interface and a reusable component architecture.
- A critical aspect of every application is its database structure, and while **noKodr** can automate UI creation, the database structure has traditionally required manual setup.
- However, with the power of AI, we can now automate the generation of database structures.
- We envision a feature where users can simply prompt the AI to design a database structure tailored to a specific application.
- Once the structure is generated, we can make any necessary adjustments, significantly reducing the time spent building it from scratch.

Tools & Technologies to be used

- Candidates are free to use any server-side scripting language to train or fine-tune the AI model.
- For UI development, candidates can utilize any technology they are proficient in.

Task to complete

- API for Develop an API that generates a schema based on the provided prompt.
- You will need to either create a custom model or fine-tune an existing one to achieve this functionality..
- The generated schema will support only the following data types:
 - Text
 - Number
 - Email
 - Phone
 - Checkbox
 - Currency
 - Date / Datetime
 - Picklist
 - Multi Picklist
 - URL
 - Textarea
 - Rich Textarea
 - Lookup (foreign key to another database table)

UI to pass prompt to UI

- Develop a UI where users can submit prompts to the API for schema generation.
- The interface should support bulk file uploads, allowing the team to upload multiple files simultaneously.

- Additionally, the UI should allow the team to view existing records. Users should be able to search for candidates by name or email, and select a record to view the candidate's details.

UI to show generated schema

- Develop a UI that displays the generated schema in JSON format.

Documentation

- Create comprehensive documentation outlining the implementation, including step-by-step instructions on how to use the system.

Important points

- Do not use ChatGPT or any existing models to meet the requirements; instead, develop your own model or fine-tune an existing one.
- Use the provided document as a template and prepare the solution following that format.
- The AI model should be submitted in a running state. Please provide videos, screenshots, or other evidence to demonstrate its functionality.

Submission Criteria

- Use any technology of your choice to complete the assignment.
- The AI model should be submitted in a running state. Please provide videos, screenshots, or other evidence to demonstrate its functionality.
- Submit the documentation in PDF format.

Evaluation Criteria

- Evaluation will be done on the basis of the solution prepared.