

Backend Developer Assessment

Overview

The aim of the APIs is to facilitate the generation of the ESG report for the current financial year by collecting data from the Sustainability officer of the company. Given that the report requires data points to be collected according to the BRSR framework, the Sustainability officer can leverage the application's collaborative features to invite other team members within the company to assist in submitting the required responses and file attachments.

You will be creating the below-mentioned APIs for

1. Login API to authenticate a user via email and password(Can use any authentication mechanism like JWT).
2. Get Questions API to fetch all the questions the user is supposed to answer(Please refer to questions pdf for questions list with response layouts)
 - a. This response format will contain information like the layout of the response(can be a tabular, dropdown, or multiple tables, number, string, etc.), the title of the question, types of fields(with field label and type like text(number, string, etc), dropdown) that will be used to render the UI,
3. Save Response API - An API to save responses to questions in the database(This should save responses per question).
4. Attach Documents API - An API to attach documents along with responses at the question level(Only pdf, excel and images allowed).
5. API to fetch entire responses of the report.

Tech Stack allowed.

1. Use NodeJs/Express or NestJs for API development.
2. Can use SQL/NoSQL or a combination of both databases with any ORM of your choice.
3. For unit testing, you can use any library preferably Jest or Cypress.

Notes/Suggestions

- Deploying the APIs with any free cloud provider like Heroku etc. will be a plus.
- Writing unit test cases will be a plus.
- Share the Postman collection of the APIs for reference.
- Share a zip file of the codebase.
- Share details of the working link of the API in case it is deployed on the cloud.