

Coding Test by Habrie

Create a basic form which will have four parts as follows, I am also mentioning the fields of that every section you can use it as per you convince you can increase or decrease the fields if it's required.

1. **Student Details:**
(Name, Gender, Adhar Card Number, DOB, Identification Marks, Admission category, Height, Weight, Mail Id, Contact Detail, Address)
2. **Parent Details:**
Father's Name, Father's Qualification, Father's Profession, Father's Designation, Father's Aadhar Card, Father's Mobile Number, Father's Mail Id,
Mother's Name, Mother's Qualification, Mother's Profession, Mother's Designation, Mother's Aadhar Card, Mother's Mobile Number, Mother's Mail Id
3. **Academic Details:** Enrollment ID, Class, Section, DOJ
4. **Documents Upload:** PNG, JPG, PDF, DOX as any student related documents such as certificates, aadhaar cards, POA, POI, TC etc.
5. **For references:** I am attaching a excel sheet please have a look and refer that for the bulk upload.

Now the task is as follows

Task 1. Make a form with above given fields and insert the form data in to the database.

Task 2. At the same time insert the random dummy data in to the db through bulk import by clicking on upload file upload a csv file which contain multiple rows of above fields data and upload it and make sure that all the data has been uploaded.

Task 3. Display all the data in to tabulation form make sure that display part should be simple don't work on it much as we are judging your backed expertise not frontend so keep it very simple just for view. But when you are showing it in tabulation that should be filtered by the **class, section, section, admission category** on that basis data should be populated.

Task 4. That filtered data or all the data has to be export as well in excel and pdf.

Task 5. The task is to use the mail function once if you click on final submit button one mail has to be sent to the student mail id which is filled in the student mail that will take from db and another mail has to be sent on durganand.jha@habrie.com as a notification of new enrollment.

Mail template for student.

Dear <student_name>,

You got enroll in Dummy School your Enrollment ID is <enrollment_id> let's provide us the hard documents for thr future references.

Team
Dummy School

Mail template for student.

Dear Admin,

You got new student <student_name> enrolled in class <class>, section <section> with enrollment id <enrollment_id> this in <session> session.

Bot Msg.

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Note: Make sure enrollment id will contain 12-digit combination of alpha numeric. First 6-digit would be numeric as enrollment date in DDMMYY format another 3-digit would be alphabet first three letter of student name and last 3-digit would be random number between 001 to 999 (in auto incremented).

We will look forward of that in document.

1. How you design a DB.
2. Provide us Data Dictionary of that.
3. Make a ER Diagram of the above DB.
4. Let us know what are the API you have created, provide API specification too.
5. What are the celery you used.
6. Provide the detailed system architecture of that module.

We are judging your skill set with following points.

1. The way of coding skills.
2. Documentation Part
3. Backend Data Structure
4. Database Table Formation
5. Time Taken for the Same