📄 PROJECT REQUIREMENT

Student Marks Retrieval System using n8n & Google Sheets

1. Project Overview

We need to build an automation using **n8n** where **parents can check their child's marks** by submitting a simple online form. The student marks are already stored in **Google Sheets**. Based on the submitted details, the system should fetch and return the correct marks.

2. Objective

To allow parents to:

- Enter **Student Name**
- Enter **Student ID**
- Enter **Mobile Number**

And receive:

- The student's marks fetched from Google Sheets
- Or an error message if the student is not found

3. Tools & Technology

- **n8n (latest version)**
- **n8n Form Trigger**
- **Google Sheets (as database)**
- Optional: WhatsApp API / Email (for sending marks)

4. Google Sheets Structure (Input Data)

The Google Sheet will contain student marks with the following columns:

- StudentID (unique)
- StudentName
- Mobile

- Subject marks (example: Maths, Science, English)
- Total

The first row will be the header row.

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5. Form Requirements (n8n Form Trigger)

The freelancer should create an **n8n Form Trigger** with these fields:

1. **Student Name**
   o Type: Text
   o Mandatory: Yes
2. **Student ID**
   o Type: Text
   o Mandatory: Yes
3. **Mobile Number**
   o Type: Number
   o Mandatory: Yes

Submit button text:

"Get Marks"

The form should generate a public URL to be shared with parents.

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6. Workflow Logic (How It Should Work)

1. Parent submits the form with student details.
2. n8n reads student data from Google Sheets using:
   o **"Get row(s) in sheet"** operation.
3. The workflow must filter the sheet using **StudentID**.
4. If a matching record is found:
   o Fetch subject marks and total.
   o Format a clean message showing the marks.
5. If no matching record is found:
   o Show an error message:

   "Student record not found. Please check the Student ID."

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7. Output / Response

The result should be:

- Displayed on the screen (web response)
- OR sent to the parent via WhatsApp / Email (optional)

Example output message:

Student Marks Report
Name: Rahul Kumar
ID: STU101
Maths: 85
Science: 78
English: 90
Total: 253

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8. Error Handling

- If Student ID does not exist → show error message
- If Google Sheet is not reachable → workflow should fail gracefully

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9. Deliverables

The freelancer should provide:

1. Fully working **n8n workflow**
2. Properly configured **Form Trigger**
3. Google Sheets integration
4. Documentation or screenshots explaining the setup

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10. Optional Enhancements (Future Scope)

- OTP verification before showing marks
- Weekly attendance reports
- WhatsApp chatbot instead of form
- Class-wise filtering