



SOFTWARE PROGRAMMING

TOPIC: INTRODUCTION TO PROGRAMMING CONCEPTS

Instructions

- Complete all tasks below.
- Use HTML, CSS, and SQL for your implementation.
- Submit your work with 5 Days

QUESTION 1

Assuming you're a **Software Developer** at **Kampala Parents School**, design and build a simple web application that includes:

i. **Student Registration Form:**

- Student Full Name
- Date Of Birth,
- Gender
- Class
- Parent/Guardian Name
- Contact Phone,
- Address
- Previous School (Optional)
- Enrollment Date

ii. **Teacher Registration Form:**

- Teacher Full Name
- Date Of Birth
- Gender
- Subjects Taught (Multi-Select)
- Class Assignments (Optional)
- Email
- Phone
- Qualifications

- Hire Date

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iii. **Login Form:** (allows users to log in using)

- Email/Username
- Password

NOTE:

Supports Two User Roles: **Admin** and **Teacher**.

iv. **Navigation Menu:**

Clear, responsive navigation with links to Student Registration Form, Teacher Registration Form and Login Form.

v. **Data validation:** client-side validation for required fields and correct formats (**email, phone, dates**).

QUESTION 2

- Design and create the database kampala_parents_school.
- Create tables for students and teachers.
- Write a short script or SQL file to create the students and teachers tables.
- Insert sample records into the students and teachers tables.
- Export and provide SQL files:
 - kampala_parents_school.sql
 - students.sql
 - teachers.sql

END