RP Tumba College - PHP Backend Development Project

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Module: Develop backend using PHP
Level: 6, Year 2
Learning Unit: 3
Assignment: Individual (Group Discussion Allowed)
Deadline: 20/11/2025 18:00

1. Chosen Platform

For this project, I chose Instagram as inspiration. My project replicates a simplified version of its sign-up, sign-in, and dashboard UI. The interface includes:

- Sign Up page

- Sign In page

- Dashboard page (after login)

- Simulated Google login

- Redirect to a student CRUD system

2. UI Design

I created mockups using Figma. Key design choices inspired by Instagram:

- Light-themed sign-up and sign-in pages

- Rounded buttons with gradient colors

- Centered forms on the page

- Error messages displayed in red below the relevant fieldPages designed:

1. Sign Up page - Username, Email, Password, Confirm Password

2. Sign In page - Email/Username + Password

3. Dashboard page - Redirected after successful login

(Attach screenshots here)

3. Sign Up Page Implementation (PHP + HTML)
Form Fields:

- Username

- Email

- Password- Confirm Password Validation Rules:

1. No field can be empty

2. Email must be valid

3. Password minimum length: 6 characters

4. Password and confirmation must match

4. Sign In Page Implementation (PHP + HTML)

Login Fields:

- Email/Username

- PasswordValidation:

- Empty fields

- Wrong password

- Account not found

5. Google Login Simulation

- Added a 'Login with Google' button

- Clicking simulates a successful login

- Redirects user to dashboard

- No real API used

6. Dashboard / CRUD Redirection

- After login (normal or Google), users are redirected to Student CRUD

- CRUD includes: Create, Read, Update, Delete student records

- Matches the chosen platform's style in colors and buttons

7. Platform Style Matching

- Colors, fonts, and buttons inspired by Instagram

- Rounded input fields and buttons

- Error messages styled in red

- Dashboard simple and clean

8. Challenges Faced

- Validating all input fields efficiently

- Simulating Google login without API

- Matching UI style closely without copying

9. Submission Package

- UI mockups (PDF/images)

- PHP project folder (all files)

- Short one-page report (this document)

- Screenshots of the working system

- Database exported as SQL file

- GitHub repository link sent to ydiasniyonshuti@yahoo.fr