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COLLEGE OF INFORMATION TECHNOLOGY

Course Code : ITE PC 206/CC204

Course Name : IPT1/IM

Course Schedule

Course Facilitator : Arjay V. Ordonio

Project Management

Activity: Build a Secure Login System in PHP

★ Objective:

By the end of this activity, students will:

- Understand user authentication using PHP and MySQL.
- Implement secure login using POST, password_hash(), and password_verify().
- Use session_start() to maintain login sessions.

Instructions:

1. Formation of Groups:

- ♣ A group should consist of 3 members
- → Groups should have a designated leader who will coordinate tasks and ensure timely submission of requirements.

2. Database Setup:

- Create a database in MySQL
- Create a table

3. Register:

Create a user registration page.

4. Login:

Create a login page.

5. Dashboard:

Create a User profile

6. Bonus Challenge! 🚀

- Add an admin role to allow certain users to manage others.
- Implement email verification before allowing login.
- Use reCAPTCHA to prevent bot registrations.

7. Reflection Questions:

- What happens if you remove password_hash() from the registration process?
- ♣ Why do we use password_verify() instead of comparing passwords directly?
- How can we improve the login system with email verification?
- ♣ What happens if a user enters incorrect credentials multiple times? How can we prevent bruteforce attacks?

8. Presentation Guidelines:

- **♣** Each group will have **20-35 minutes** to present the system
- Ensure that all group members participate in the presentation.
- Maintain professionalism in delivery, tone, and attire.

9. Expected Output:

- Users can register and their passwords will be securely hashed.
- Users can log in with valid credentials.
- A logged-in user will be redirected to the dashboard.
- Users can log out, and their session will be destroyed.

10. Evaluation Criteria:

The system will be graded based on the following criteria:

- ✓ Functionality (35%) The login system works as expected (registration, login, logout, session management). No major bugs or errors.
- ✓ Design (35%) User-friendly interface, well-structured layout, clear navigation, and responsiveness.
- Security (15%) Secure password storage (hashed), protection against SQL injection, XSS, and
- ▼ Team Collaboration (10%) Equal contribution among team members, effective teamwork, and documentation.
- ✓ Bonus Features (5%) Additional functionalities such as password reset, role-based access, or CAPTCHA verification.

IPT1/IM - Users Management System Project

Course: BSII – Integrative Programming and Technologies	/ Information	Management
Year Level: 2nd Year – [Block ex. 2A]		
Group No.:		D.
Topic:		

Course: BSIT – Integrative Programming and Technologies / Information Management Year Level: 2nd Year – [Block ex. 2A] Group No.: Topic:							
Criteria	Score Range	System Score	Team Members	Individual Score (50-100)	Total Score		
Functionality	0 - 35		Ordonio, arjay – Leader/programmer				
Design	0 - 35		Ordonio, arjay - programmer				
Security	0 - 15	Ordonio, arjay - member		Ordonio, arjay - member			
Team Collaboration	0 - 10		Note: indicate the task of each member		1		
Bonus Features	0 - 5		7		4		
Total Score (100%)	/100				0		
, ,	Total		0' 10.	41			

Evaluator's Name: AR.	<u>Jay V. Ordonic</u>
Date:	
Additional Comments:	

11. Submission Requirements:

Groups must submit their PROJECT FOLDER AND DATABASE FILE IN ZIP FORMAT on or before **MARCH 31, 2025**.

Prepared by:

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Instructor

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