**Midterm Practical Exam**

**Duration:** 5 Hours  
**Group Composition:** 4 Members

Each group will develop a **Product Management System** (prodMS) using **PHP, MySQL (XAMPP), and session management**. The project must include **user authentication, product management, and proper database handling**.

**Task Breakdown per Member:**

**Member 1: Database Setup & User Account Creation**

* **Task:**
  + Set up a **MySQL database named prodMS** using XAMPP.
  + Create **one (1) admin account** to be used for logging into the system.
  + Share the credentials with **Member 3** for authentication setup.
* **Database Connection:**
  + The database connection credentials should be stored securely and accessed by other members when needed.

**Member 2: Table Creation (User & Product) with Employee Number Validation**

* **Task:**
  + Create **two tables** inside the prodMS database:

**User Table (with Unique Employee Number Validation)**

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| userID | INT (Primary Key, Auto Increment) | Unique user identifier |
| UserFullname | VARCHAR(255) NOT NULL | Full name of the user |
| employeeNo | VARCHAR(50) UNIQUE NOT NULL | Unique employee number (must not be duplicated) |
| password | VARCHAR(255) NOT NULL | Hashed password using bcrypt |
| DateCreated | TIMESTAMP DEFAULT CURRENT\_TIMESTAMP | Date when the user is created |

**Product Table**

| **Column Name** | **Data Type** | **Description** |
| --- | --- | --- |
| prodID | INT (Primary Key, Auto Increment) | Unique product identifier |
| ProductName | VARCHAR(255) NOT NULL | Name of the product |
| ProductQTY | INT NOT NULL | Quantity of the product |
| ProductPrice | DECIMAL(10,2) NOT NULL | Price of the product |
| UserFullname | VARCHAR(255) NOT NULL | The session user's name who created the product |
| dateCreated | TIMESTAMP DEFAULT CURRENT\_TIMESTAMP | Date when the product is created |

* **Validation for employeeNo**:
  + Ensure **employeeNo is unique** before inserting a new user.
  + If a duplicate is found, return an **error message** and prevent registration.

**Member 3: User Registration & Login System with Unique Employee Number Validation**

* **Task:**
  + Create a **user registration form** that:  
    ✅ Stores user details.  
    ✅ Hashes passwords using **bcrypt**.  
    ✅ **Checks if the employeeNo already exists before inserting data**.
  + Implement **a login system** that verifies user credentials and starts a session.
  + Upon login, store the user’s **Full Name** in a session variable to be used by Member 4.

**Member 4: Product Management (Add & Display)**

* **Task:**
  + Create a **product form** where users can **add products** to the database.
  + Ensure the UserFullname field automatically **gets the logged-in user’s name** from the session.
  + Display all products in a table format.
* **Requirements:**
  + **Session must be required** before accessing this page.
  + **Display the logged-in user’s name** on the dashboard.
  + Provide a **logout button** to destroy the session and return to the login page.

**Additional Requirements:**

✅ **Session Handling:**

* Users must be required to log in before accessing the system.
* Display the **session user’s name** on every page.
* Implement a **logout button** that destroys the session properly.