

Assignment

1. Create a simple PHP web application with the following features:

- Display Products – Fetch and display products from a MySQL database in an HTML table.
- Add a New Product – A form to insert a new product (name, price, and stock quantity), add validations also.
- Edit an Existing Product – Update product details.
- Delete a Product – Remove a product from the database.
- Security Considerations – Use prepared statements to prevent SQL injection.

2. Create a basic user authentication system with the following features:

1 User Registration – A form to register new users with:

Name

Email

Password (hashed using `password_hash()`)

2 User Login – A login form where users enter their email and password to authenticate.

3 User Dashboard – A protected page that displays a welcome message with the logged-in user's name.

4 Logout Functionality – A button to log out and destroy the session.

5 Security Considerations –

Use password hashing (`password_hash()`, `password_verify()`).

Use prepared statements to prevent SQL injection.

Implement session management securely.