

Module 3

Objective

Your task is to develop a social networking platform where users can connect with friends, share updates, and interact with each other. You'll be using PHP and a MySQL database to implement the backend functionalities of this platform.

Requirements

1. Design and create a database schema to store information about users, posts, comments, and friendships.
 - The **users** table should include fields for user ID, username, email, password, and any additional profile information.
 - The posts table should include fields for post ID, author ID (foreign key to users table), content, timestamp
 - Implement a friendships table to manage relationships between users.
2. User Registration and Authentication
 - Implement user registration and login functionalities.
 - Use password hashing for secure storage of user passwords.
 - Allow update their profile.
3. Social Features
 - Allow users to post (text, images, links) to their profile and view updates from friends on a news feed.
 - Implement functionalities for liking on posts.
 - Display a list of friends on each user's profile page.

Rules:

- Utilize PHP for server-side scripting and MySQL for database interactions.
- Implement proper security measures, such as hashing the passwords before storing them in the database.
- Display appropriate error messages or validation feedback to the user if necessary.
- You are free to use any CSS or styling techniques to improve the user interface of the registration, login, profile, and update profile pages.
- Prioritize the implementation of core functionalities such as user registration, and login within the 1-hour time constraint.

Instructions to the Competitor

Please follow the following instructions to deliver your work:

1. Save your files in a folder called “XX_Design_Module” where XX is the module number.
2. The output should be the dump of your database and the php file or files

Good luck!