

Lab 09 – Handling Login and Sessions

Getting Started

Visual Studio Code

1. Download the lab template from Blackboard
2. Extract it
3. Fill in the relevant code to create the solution and meet the requirements

Solution

Based on the provided template create a web application that completes the following workflow:

1. The user starts at the login page.
2. The user logs in and their password is verified against the database. If the login is successful a new session is started and the user's details are copied to the session.
3. The user is redirected to the welcome page and their details are displayed.
4. When the user selects to log off, they are redirected to a page that wishes them good bye. Their session is terminated and then after 10 seconds redirects them to the main page.

You must utilize the database provided in the sql directory. You must use password_verify and password_hash to verify the username and password stored in the database. The passwords are all set to the same value of respective usernames.

Requirements

1. You must use a database called "Lab09", your username should be 'root' and your password should be " just like the lab computers.
2. You must use the PDO class we created based on the template provided.
3. You must use a User class to map the user details
4. You must use a UserMapper class to get information from the database
5. You must use the LoginManager static class to verify the login
6. You must store if the user is logged in in a session.

Structure

FileName	Description
inc/config.inc.php	Database configuration information
inc/Utility/PDOAgent.class.php	PDO Wrapper Class
inc/Utility/Page.class.php	Page Class
inc/Utility/UserMapper.class.php	Static User Mapper responsible for CRUD operations
inc/Entities/User.class.php	User Entity with getters and setters.
inc/Utility/LoginManager.class.php	LoginManager responsible for checking if a user is logged in

FileName	Description
inc/Utility/Validation.class.php	Responsible for Validating user input
Lab08_SWh-56789-login.php	This file displays the login page to the user and processes logins.
Lab08_SWh-56789-welcome.php	This page welcomes the user, it should not be visible if the user has not provided a proper login
Lab08_SWh-56789-logout.php	This file displays the logout page to the user and redirects them after 10 seconds to the login page.
sql/Lab09.sql	User database with accounts

Hints:

- Use `header()` to redirect between pages
- You can use the `META REFRESH` tag to redirect with a delay
- `session_destory()` doesn't actually work well, you should `unset()` the session
- Use your browsers "In Private" or "Incognito Mode" to test the effects of different sessions.

Appendix:

1. Login Page

Lab 09 - SW/h_56789

Please Login

Username

Passowrd

LOGIN

2. Welcome Page

Lab 09 - SW/h_56789

Hello Odey, Mouse.

We currently have the following email address on file for you:

omouse0@boston.com.

Please contact us if you would like to change it.

Click [here to logout](#).

3. Good Bye!

Good bye.



Thanks for stopping by.

STOP! - This is a pre-assignment submission checklist!

- Did you remove any **debug output such as var_dump**
- Is your submission clear of any **ORANGE** output from XDebug (Warnings, Info or Errors)?
- Did you follow the naming convention for your files?!
- Did you follow the naming convention for your folder?!
- Does your submission work on a lab computer?!
- Double check **before** submitting

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