

IMY 220

Assignment 2:

PHP

Due: Wednesday 8 September at 13:00.

The submission instructions are available on ClickUP. Any deviation from these instructions will cause a 10% deduction from your mark.

Instructions

- Use the provided registration and login functionality and add functionality for a quiz gallery.
- Use MySQL to add images and descriptions to a gallery and display them when the user is logged in.

Part 1: SQL Database

You will be required to create a database with two tables in it.

- The database must be called *dbuser*
- The tables must be called *tbusers* and *tbquizzes*

tbusers must contain the following fields:

- *user_id* – integer, primary key, auto increment
- *name* – varchar(100)
- *surname* – varchar(100)
- *email* – varchar(100)
- *password* – varchar(100)
- *birthday* – Date

tbquizzes must contain the following fields:

- *quiz_id*: integer, primary key, auto increment
- *user_id*: integer
- *description*: varchar(100)
- *image_name*: varchar(50)

Part 2: login.php – image upload

Download the files (*index.html*, *style.css*, *login.php*, and *register.php*) from ClickUP. These files contain the functionality for creating and logging in as a new user using the database structure. It also contains a quiz creation form on the login page and additional CSS for displaying images correctly. You will only need to edit ***login.php*** to complete this assignment.

Inside *login.php*, when a user selects an image with the file input, and types in a quiz description in the text input, both the image and quiz description need to upload and be displayed inside the user's quiz gallery. This has to work as follows:

- When a user creates a quiz (by selecting a valid file with the file input, typing in a description, and submitting the form), the form should submit to itself (to *login.php*) and should get and upload the file and description selected using the file input and text input. Use POST to submit the file and description.
- To do this, you will need to send through the user's email and password again. Use hidden inputs to do this.
- Note that a quiz should **not** be created/added to the database if the user has not submitted **both** a description and an image file.
- Thus, you should check that user has submitted both a description and a file.
- You should then check if the uploaded file is a jpg/jpeg image and is smaller than 1MB (you may assume that it is otherwise safe to upload). Only if the selected file satisfies these requirements should the file be uploaded to the directory called "gallery" (which you will also need to create yourself).
- A new row should also be added to the *tbquizzes* table with the *user_id* of the current user, the description of the quiz, and the filename that the file was uploaded with. The filename and description will be used to fetch the images and descriptions again for the quiz gallery.
- The page must be error-free at all times.
- The result of this should be that a user is able to log in using *index.html* and use the file and text inputs on *login.php* to create quizzes. A user should be able to create as many quizzes as they want (one at a time).
- You do not have to cater for users uploading files with the same name. If they do, the new file will simply overwrite the old one.

Part 3: login.php – quiz gallery

Display all the quizzes a user has created inside a gallery. This has to work as follows:

- Beneath the table with the user's details, add a heading and a Bootstrap row. Give the Bootstrap row an additional class of "quizGallery".
- Fetch all the quizzes that the user has uploaded, in other words, all the quizzes (images and descriptions) that have a *user_id* value of the current user's id.
- Display each of these inside Bootstrap columns.
- In order to display the images neatly, don't use the tag; instead, refer to the image file name inside the column-div's background-image styling. (This will require you to add inline styles.) For example, you might have several column-divs which look like this:

```
<div class='col-3' style='background-image: url(gallery/imagenam.e.jpg)'>  
</div>
```

- The quiz descriptions should also be displayed in a Bootstrap column-div.

Note that *style.css* includes styling rules for displaying images inside column-divs neatly, so it is important that you add the correct class to the row. The result should be that if a user has created a quiz, their login page should display these in a gallery (including directly after they created the quizzes). For example, if a user has created 5 quizzes, their page might look like this:

Name	John
Surname	Doe
Email Address	john@gmail.com
Birthday	1981-10-10

Quiz Description:

Quiz Gallery



This is a quiz to see how well you know your cat breeds.



This is a quiz to see how well you know your anime!



This is a quiz about birds.



cat quiz 3000



Animals

Bonus

Allow users to upload multiple images at once. This will require you to change the upload script and the upload form created inside *login.php*. The rest of the functionality should still work as normal, in other words, all the images should be displayed in the gallery directly after they have been uploaded (no page refresh required).

Additionally, allow users to edit and change the images and descriptions for a quiz.

Additional Information

- Refer to the slides and online resources for help

Submit only the following file(s) according to the submission instructions.

- *login.php*