



JÖNKÖPING UNIVERSITY

PHP Lab 3

“Advanced” PHP

Applied Web Architecture – TAWK17
Jasmin Jakupovic

Description

The idea behind the lab session is to learn about user management through sessions, inserting and updating in the database, and pulling information out of multiple databases.

The main idea behind the project is for you to get a sense of how PHP works with both frontend and backend.

Tools

We will be using XAMPP to host a local web-server, HTML and CSS to create a layout for our website and PHP will be our main language. MySQL/MariaDB will be used for connection to the database.

Lab 6

You will continue working on your Lab 4-5 solution where you'll start incorporating a backend for your admin user. An admin user will be your only user in the database for now, so anyone with a login access will automatically be admin.

Task 1 – Making a backend

Create a backend admin panel. An admin types localhost/admin and gets the opportunity to log in. After he logs in a session is created, and he is now in the admin part of the backend. As an admin, you need to have the ability to:

- Add a book
- Delete a book
- Upload a picture to the gallery (already covered in Lab 4, now just incorporated in the menu)

You also want to think about the UX/UI, so you want the menu to show what page you're currently on (include header/footer) etc.

Use the files provided in Lecture Workshop 6 to incorporate this in your page. Adding a book is a simple insert in the database, while deleting is a simple delete.

Task 2 – Split the book/author table, add a middle-table

Time to make your database more functional. You want to remove the “author” filed from the table Books and create a new table Authors. As per the example in Lecture Workshop 6 (whiteboard) you will have to have a middle table due to the relationship of many-to-many.

Once you create this structure you will notice that your search and queries don’t work anymore. Now you have to do the double-join to connect these three tables.

Edit your queries and output to output correct data. If a book has 2 or more authors you will list it twice.

Presentation

After you complete above mentioned tasks try to locate your teaching assistant (Jasmin Jakupovic) in order to present what you have done. Your presentation should not take more than 2-3 minutes; Here you basically present what you have made and assure us that you understand why and how you did it.

You are able to present only once all tasks have been completed. If you present during the lab session you can present first and upload the files afterwards. Otherwise, you need to upload first for me to check and then present. The PingPong assignment for this lab session is now open.