

Module 2: PHP Web Project

Duration: Week 38, 39, 40

Focus areas

During the 2nd module we will focus on PHP, Modelling, SQL and testing – please refer to the schedule for an overview of the planned classes.

Make sure that you add suitable comments to your source code – the different assignment solutions are likely to be useful as building blocks in later projects.

Study points

You can receive a maximum total of 30 study points during this module:

- Complete and hand in assignment 1: PHP Menu (10 sp)
- Complete and hand in assignment 2: PHP Login System (10 sp)
- Complete and hand in assignment 3: PHP/DB System (10 sp)

All study point assignments in this module are individual assignments. You are encouraged to work in small study groups, but each student need to implement, upload and document their own solutions.

Requirements for deliverables

For each assignment you will have to hand in a PDF file documenting your personal solution:

1. Front page containing
 - a. Assignment number and title
 - b. Full name
 - c. School email
 - d. Link to your working solution online
 - e. Link to your GitHub repository containing your source files
2. Short description of your solution and considerations
3. Screen shots of your solution
4. Your personal learning reflections

Feedback:

We invite you to a feedback and Q/A session October 11th in room 1.62.

Classes meet according to the following timetable:

08.30 – 10.30	Mul A
11.00 – 13.00	Mul B
13.30 – 15.30	Mil

During the session TOR and TUJE will be present to give comments for demonstrated solutions and be available for questions. Please prepare your questions in advance.

Assignment/exercise 1: PHP Menu (10 sp)

You must create a multipage web based system using PHP.

Define the html for the top menu in a separate file called menu.php

Use server side includes (see http://www.w3schools.com/php/php_includes.asp) to add the top menu to all pages in the system.

Create needed PHP and CSS styling to highlight the current selected menu item.

Document your solution and hand in according to the requirements for deliverables.

Assignment/exercise 2: PHP Login System (10 sp)

You must create a multipage web based system using PHP.

In this system you must implement a session based login system including:

- Login functionality
- Logout functionality
- Page with secret info which can only be viewed if user is logged in
- Store needed data for the user login in a MySQL database table
- Create an Add User functionality

Document your solution and hand in according to the requirements for deliverables.

Make sure to explain:

- How you use sessions to determine if a user is currently logged in.
- Your security considerations regarding login systems

Assignment/exercise 3: PHP/DB System (10 sp)

You must create a multipage web based system using PHP.

The system must demonstrate how you can create a PHP based frontend to a multi table MySQL database. The system must serve as a demonstration of how you can allow a user to navigate and work with the information stored in the data tables. The solution must demonstrate how all CRUD operations can be invoked from the frontend.

You are recommended to use the database you modelled in Module 1 (Web-developer) for your solution.

Document your solution and hand in according to the requirements for deliverables.

Make sure to explain:

- How you covered the four different CRUD operations