

Flow 1 Study point assignments

Introduction

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.

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.

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

Assignment/exercise 1: 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 2: 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.

Requirements for your solution:

- Must be a PHP and MySQL based web system
- Must feature several tables with relations
- Must include at least two media types (text, sound, images, video)
- Must demonstrate how all CRUD operations can be invoked from the frontend

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

Make sure to explain:

- How you covered the four different CRUD operations