Advanced Internet Technologies

Lab Sessions

Lab Exercise 7

- PHP – (XAMP users skip this one)
  - Download and install the PHP bundle
  - Verify that PHP is enabled in Apache
  - Create a blank file called **phptest.php** in Apache's htdocs folder and paste the following line:
  - <?php phpinfo(); ?>
  - Start Apache and see the result.

Lab Exercise 8

- MySQL
  - Install MySQL (XAMP users, skip installing MySQL)
  - Download and install GUI client
    - MySQL Workbench or
    - Sequel Pro
  - Run the MySQL servers and open the GUIs

Lab Exercise 8

- MySQL
  - create a database called AIT with a single entity (table) called users.
  - Table "users" should have 3 attributes (columns)
    - ID
    - Name
    - Lastname
  - Using the GUI, populate the tables with 3 or 4 records (tuples)

Lab Exercise 9

- PHP scripts for DB Management
  - Create a PHP class "Connector" like the one discussed in the lecture, with 4 methods
    - connect($server, $user, $password): Connect to a MySQL database server
    - chooseDB($dbname): Choose a Database
    - queryDB($query): Send the SQL Query, and return query result *as an array*
    - close(): Close the MySQL server connection

Lab Exercise 9

- PHP scripts for DB Management
  - Remember to use the PHP API to manage MySQL connections
    - $mysqlink = new mysqli($server, $user, $password);
    - $mysqlink->select_db($dbname);
    - $mysqlink->query($sqlString);
    - $mysqlink->close();
  - Store your class in a file connector.php and create a client.php that instantiates an object of class connector displays the result of this query:
    - select * from users

Submission

- write one report
- submit **one pdf file** through OLE