

# **Web Technologies (ICDT6004) – Lecture 13**

Tutorial Session 1

# PHP Exercise 1

- In order to access a company's webpage displaying employees' details, users are required to be authenticated. For this purpose, they key in their username and password on the *login.html* page and click on submit. The submitted data is sent to *authentication.php*.
1. Which method should be used to send the data from the page containing the login form to the *authentication.php* page? Explain your answer.

**[1 Mark]**

# PHP Exercise 1(2)

The partial code for *authentication.php* is given below:

```
<?php
session_start();
$username=$_POST['txt_username'];
$password=$_POST['txt_password'];
include("db_connect.php");
//(I) select statement goes here. Note that table 'users' includes the columns 'username' and 'pass'.

$Rs = mysqli_query($conn, $select);

if (mysqli_num_rows($Rs) < 1) {
//(II) write missing code
}
else{
    //(III) write missing code
}
?>
```

# PHP Exercise 1(3)

- The code given above has 3 parts missing. When complete, the code should check if the username-password pair exists in the database. If it does not exist, the user should be redirected to the page *login.html*.
  - If a username-password pair exists, a session should be created and the value of the username should be stored in it. After which, the user should be redirected to the page *employees.php*.
2. Write the PHP code for *db\_connect.php* given that it contains the code connect to the mysql database **companydb** having username: *admincompany* and password: *adminpass321*.

[3 marks]

# PHP Exercise 1(4)

3. Write the code for (I), (II) and (III). Note that missing code can consist of more than one statement. **[2 +**

**1 + 2 Marks]**

- Before displaying the content of *employees.php*, the system should ensure that the user has been properly authenticated (valid username-password and session created).

4. Write the code snippets to verify that the session created in b) has already been set. If it has not, redirect the user to the page *login.php*. **[4 Marks]**

# PHP Exercise 1(4)

- Given the following table schema:  
**employeetbl**(id,name, surname,address, position) saved in the **companydb** database.
5. Write the PHP code for *employees.php* to retrieve all records from the table **employeetbl** and display them in an html table. In case the table **employeetbl** is empty, an appropriate error message should be displayed instead of an empty table. [12 marks]

# JavaScript Exercise 1

- Write the JavaScript code for the function `checkBlank()` to check if the value in `txt_username` is blank. In case it is blank, a popup message should appear with the appropriate text. You should also try writing some text to a div, `div_status`.
- Write the code to call the function `checkBlank()` on submitting the form.

Note the use of `return true` and `false` to allow/stop the submission of a form.

# JavaScript Exercise 2

- Write the JavaScript code for the function `checkLength()` to check if the length of the password typed in `txt_pwd` is equal to 8. In case it is not 8, a popup message should appear with the appropriate text. You should also try writing some text to a div, `div_status`.
- Write the code to call the function `checkLength()` on submitting the form.

Note the use of `return true` and `false` to allow/stop the submission of a form.



# JavaScript Exercise 3

- You are now required to call both functions on submitting the form. How will you proceed? Write the code to implement this.

# Answers

- All questions have been discussed in class and all answers were provided.

# Questions?