

PHP & MYSQL - EXERCISES

Now that you know how to create a connection between database and PHP program, deliver the following application:

1. **Step 1:** Create a main web page (named: LL Welcome): that belongs to a company named LobLows. The main web page must have a header and footer using include php command lines. Header with a logo and current datetime, and footer with hyperlinks to social media like Facebook and Google+. In the middle of the page you must enable a login (data entry) with a ID and Password fields.
2. **Step 2:** You must create 2 kinds of validations in the main web page. Validation 1 : Client side: that verifies if ID (**email**) has more/equal than 6 characters and less/equal than 12 characters, and if the ID has “@” and .(“dot”) as part of ID entry. Additionally the **password** must be composed of (Capital and nonCapital letters) and at least one especial character, like (!, #, \$, %, ^, &, *) is part of the password. Validation 2 : In the server side the (login/ password) is stored in a database so you must make a second validation it means ... if they are ok you when checked again database. If everything is OK, you can pass to the next step of your application.
3. **Step 3:** Create a web page (named: LL Management Reports) composed of a list of items. Those Items are reports where the user can define which one of them he would like to run. When he selects the item, a button to execute the report must become available to execute and display the result to the final user as a table on this webpage. The list of reports are shown below:

- **Report 1 : Calculate \$Total for each order made.**

- **Report 2. Order Details Extended**

Note: A query that calculates sales price for each order after discount is applied.

- **Report 3. Sales by Year where ShippedDate is filled**

- **Report 4. Sales Amount per Employee**

- **Report 5. List of products with its categories (name and ID), and that do not are discontinued.**

Note: A product must have a category associated.

- **Report 6. Top 10 Most Expensive Products**

- **Report 7. List the Products Above Average Price**

- **Report 8. List the Product Name, Customer Name, Total Sales Amount, split by year and quarters of the year.**

IMPORTANT: YOUR DATABASE IS << Northwind-MySQL.sql >>, provided to you in the previous class.

