

# **BASIC PHP DEVELOPER EXAM**

## **Goals**

- Display a basic understanding of PHP including forms, database interaction, and error handling
- Implement basic web application security
- Display a basic command of database management by creating a database that will be used by the system as per the specifications.

## **Getting Started**

You will use XAMPP as your Web and Database server. Your phpMyAdmin panel is located at <http://localhost/phpmyadmin>. Use the details below to login:

### **MySQL and phpMyAdmin access**

Host: localhost

Username: root

Password: root123

Create a folder inside the **C:/xampp/htdocs/** folder using your last name in lowercase (alphanumeric only, use underscores as spaces). That will be your primary working directory and all files should be placed inside that folder that you created.

Should you, for whatever reason need to look at XAMPP's configuration page, you may access it here: <http://localhost/xmp/>. The login details are the same as the MySQL server.

Apache logs can be found at **C:/xampp/apache/logs/**

The PHP configuration file (php.ini) can be found at **C:/xampp/php/**

The MySQL configuration file (my.ini) can be found at **C:/xampp/mysql/bin**

## **The Database**

You are tasked to create your own database. The database should be named using the following format **exam\_lastname**. At the very minimum, it should contain one table containing all the records for the site. You may create as many tables as needed. The username and password are listed above in the **Getting Started** section.

**Sourcefit Philippines**  
Web Developer Exam

## **The System**

You are to create a simple information management system using PHP which will manage basic information about people. Your system should expect the following fields / data:

- ID
- Name
- Address
- Contact Number
- Email
- Birthday

At the very minimum, your system should have the capacity to **display, add, edit**, and **delete** records containing these data.

You are expected to **strictly validate input** and **secure the site** against the following vulnerabilities:

- SQL Injection
- XSS

You should have received, together with this file, a folder containing template files that you will use for the site. Extract the contents of the folder to the folder you created in the **Getting Started** section. You are allowed to modify the templates as you see fit, as long as they **do not conflict** with any of the features that you are required to implement.

## **PHP Frameworks (Zend, CodeIgniter, CakePHP, etc)**

You are **not allowed** to use any framework or library of any kind. This exam aims to test your basic understanding of PHP, not your proficiency in these frameworks / library.

## **Deliverables**

We expect you to provide a ZIP archive containing all files of the site. The ZIP archive should be named using the following format: **LastName-FirstName-Web-Dev-Exam.zip**

Additionally, please include a SQL file named **schema.sql** containing a dump of the database structure that you have created. The SQL file must contain the database creation statement as well as all tables, indexes, foreign keys, views, triggers, and stored procedures that you may have created. This file should be placed inside the ZIP archive you created above.