

## Hoffer PHP

### (a) PHP script initiation and input validation

```
<?php # Script 6.6 - register.php
// Set the page title and include the HTML header.
$page_title = 'Register';
include ('templates/header.inc');

//Handle the form.
if (isset($_POST['submit'])) {

    // Create an empty new variable.
    $message = NULL;

    // Check for a first name.
    if (empty($_POST['first_name'])) {
        $fn = FALSE;
        $message = '<p>You forgot to enter your first name!</p>';
    } else {
        $fn = $_POST['first_name'];
    }

    // Check for a last name.
    if (empty($_POST['last_name'])) {
        $ln = FALSE;
        $message = '<p>You forgot to enter your last name!</p>';
    } else {
        $ln = $_POST['last_name'];
    }

    // Check for an email address.
    if (empty($_POST['email'])) {
        $e = FALSE;
        $message = '<p>You forgot to enter your email address!</p>';
    } else {
        $e = $_POST['email'];
    }

    // Check for a username.
    if (empty($_POST['username'])) {
        $u = FALSE;
        $message = '<p>You forgot to enter your username!</p>';
    } else {
        $u = $_POST['username'];
    }

    // Check for a password and match against the confirmed password.
    if (empty($_POST['password1'])) {
        $p = FALSE;
        $message = '<p>You forgot to enter your password!</p>';
    } else {
        if ($_POST['password1'] == $_POST['password2']) {
            $p = $_POST['password1'];
        } else {
            $p = FALSE;
            $message = '<p>Your password did not match
the confirmed password!</p>';
        }
    }
}
```

PHP file named register.php begins.

This file contains HTML code to set up a generic page, including its page title and header.

Check whether to process form.

Validate first name.

Validate last name.

Validate e-mail address.

Validate username.

Validate the password.

(b) Adding user information to the database

```
//If everything's OK.
if ($fn && $ln && $e && $u && $p) {

    // Register the user in the database.
    // Connect to the db.
    require_once ('../mysql_connect.php');

    // Make the query.
    $query = "INSERT INTO users (username, first_name, last_name, email, password,
    registration_date) VALUES ('$u', '$fn', '$ln', '$e', PASSWORD('$p'), NOW())";

    //Run the query.
    $result = @mysql_query ($query);

    //If it ran OK.
    if ($result) {

        // Send an email, if desired.
        echo '<p><b>You have been registered!</b></p>';

        //Include the HTML footer.
        include ('templates/footer.inc');

        //Quit the script.
        exit();

    } else {

        $message = '<p>You could not be registered due to a system error.
        We apologize for any inconvenience.</p><p>' . mysql_error() . '</p>';

    }

    //Close the database connection.
    mysql_close();

} else {

    $message = '<p>Please try again.</p>';

}

// End of the main Submit conditional.
}
```

If all user information has been validated, the data will be inserted into the MySQL database.

Establish connection to database.

SQL query with encrypted password and current date.

mysql\_query() function sends SQL to MySQL.

\$result contains value returned by mysql\_query. If TRUE, message is displayed, footer is required, script is halted.

If \$result FALSE, assign value to \$message.

Close connection to MySQL database.

Completion of registration conditional.

Completion of submit conditional.

(c) Closing the PHP script and displaying the HTML form

```
// Print the message if there is one.
if (isset($message)) {
    echo '<font color="red">!', $message, '</font>';
}
?>
```

If an error message exists, display it.

Begin HTML form.

```
<form action="<?php echo $_SERVER['PHP_SELF']; ?>" method="post">
<fieldset><legend>Enter your information in the form below:</legend>

<p><b>First Name:</b> <input type="text" name="first_name" size="15" maxlength="15"
value="<?php if (isset($_POST['first_name'])) echo $_POST['first_name']; ?>" /></p>

<p><b>Last Name:</b> <input type="text" name="last_name" size="30" maxlength="30"
value="<?php if (isset($_POST['last_name'])) echo $_POST['last_name']; ?>" /></p>

<p><b>Email Address:</b> <input type="text" name="email" size="40" maxlength="40"
value="<?php if (isset($_POST['email'])) echo $_POST['email']; ?>" /> </p>

<p><b>User Name:</b> <input type="text" name="username" size="10" maxlength="20"
value="<?php if (isset($_POST['username'])) echo $_POST['username']; ?>" ></p>

<p><b>Password:</b> <input type="password" name="password1" size="20" maxlength="20" /></p>

<p><b>Confirm Password:</b> <input type="password" name="password2" size="20" maxlength="20"
/ ></p>
</fieldset>

<div align="center"><input type="submit" name="submit" value="Register" /></div>

</form><!-- End of Form -->

<?php
//Include the HTML footer.
include ('templates/footer.inc'); ?>
```

Source: Ullman, PHP and MySQL for Dynamic Web Sites, 2003, Script 6.6