



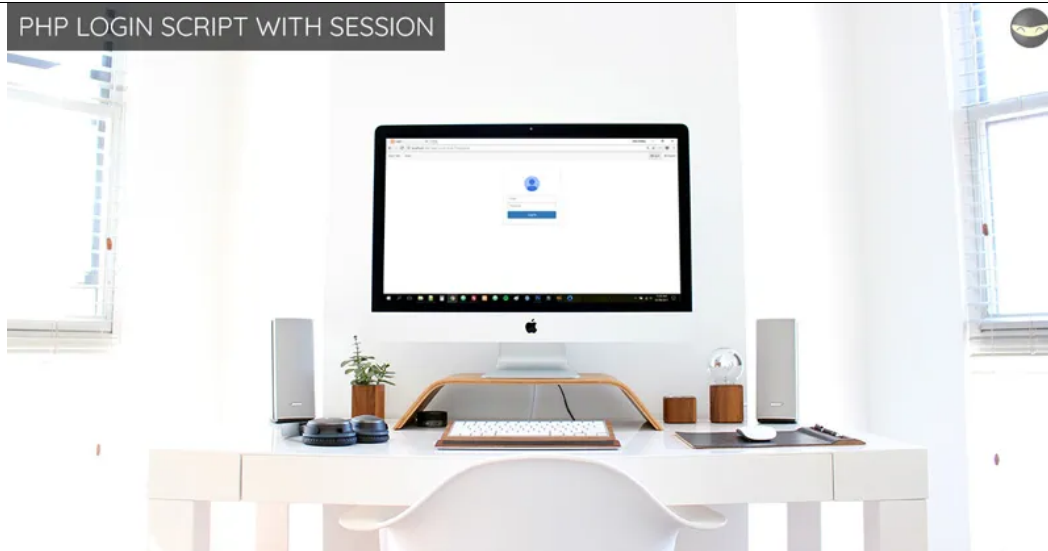
< <https://codeofaninja.com/>>

PHP Login Script with Session Tutorial – Step by Step Guide!

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK





Previously, we learned how to create, read, update and delete database records on our **PHP OOP CRUD tutorial** < <https://www.codeofaninja.com/2014/06/php-object-oriented-crud->

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)

Contents [hide]**1 Overview****2 File structure****3 Prepare the database****3.1 Create a database****3.2 Run SQL for users table****3.3 Run SQL for users accounts****3.4 Create database connection file****3.5 Prepare user object****3.6 Output****4 Prepare basic settings****4.1 Create config file****4.2 Create login checker file****4.3 Create .htaccess file****4.4 Output****5 Create the template files****5.1 Create navigation bar****5.2 Show logout button****5.3 Show login and register buttons****5.4 Create page header****5.5 Create page footer****5.6 Customization system CSS**

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



-
- 6.3 Login form output
 - 6.4 Add alert message
 - 6.5 Alert message output
 - 6.6 If user submitted the form
 - 6.7 Check if email exists
 - 6.8 Add emailExists() method
 - 6.9 Validate login credentials
 - 6.10 Customer's index page
 - 6.11 Logout file
 - 6.12 Output
 - 7 Create registration form
 - 7.1 Create register page
 - 7.2 Create Utils class
 - 7.3 Registration form HTML
 - 7.4 If registration form was submitted
 - 7.5 Create new user
 - 7.6 User object create() method
 - 7.7 Add showError() method
 - 7.8 Output
 - 8 Admin section
 - 8.1 Create admin index page
 - 8.2 Create navigation bar
 - 8.3 Create page header

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



9 Show registered users

9.1 Create "read users" file

9.2 Add readAll() method in user object

9.3 Create "read users" template file

9.4 Add countAll() method in user object

9.5 Paginate list of users

9.6 Output

10 How to validate email address?

10.1 Change account status

10.2 Add access code field

10.3 Add getToken() method

10.4 Change create() method

10.5 Add access_code property

10.6 11.6 Send verification email

10.7 Add sendEmailViaPhpMail() method

10.8 Output

10.9 Create verification file

10.10 Add accessCodeExists() method

10.11 Add updateStatusByAccessCode() method

10.12 Output

11 PHP forgot password

11.1 Add forgot password link

11.2 Login page new output

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



-
- 11.7 Output
 - 12 PHP reset password form
 - 12.1 Create “reset password” page
 - 12.2 Check access code
 - 12.3 Add “reset password” form
 - 12.4 Add post code
 - 12.5 Add updatePassword() method
 - 12.6 Output
 - 13 How To Run The Source Code?
 - 14 Download LEVEL 1 Source Code
 - 15 Download PHP Login Module
 - 16 What's Next?
 - 17 Related Tutorials
 - 18 Notes
 - 18.1 Found An Issue?
 - 18.2 Subscribe to CodeOfaNinja
 - 18.3 Thank You!
 - 18.4 Share our tutorial

Overview

Login? Logout? Sign Up or Register? We see this functionality in almost every website we use

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



If you want to become a web programmer, this is one of the most basic skills that you need to learn. If you haven't, today is a great day for you. We have some good news.

In this tutorial, we will learn how to build a simple PHP login script. This will help you create the web app of your dreams. Just like **how we build ours < <https://www.codeofaninja.com/about-us>> .**

We will cover how to create a login form, registration form, customer section, admin section, list of registered users, logout and more. You will learn useful web programming techniques as well.

File structure

At the end of this tutorial, we will have the following folders and files. You will learn the purpose of each of these files and folders as we go along the tutorial.

- |— admin/
- |——— index.php
- |——— layout_foot.php

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



- |_____ paging.php
- |_____ read_users_template.php
- |_____ read_users.php
- |_____ config/
- |_____ core.php
- |_____ database.php
- |_____ images/
- |_____ login_icon.png
- |_____ libs/
- |_____ css/
- |_____ admin.css
- |_____ customer.css
- |_____ php/
- |_____ utils.php
- |_____ objects/
- |_____ user.php

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



- └─ layout_head.php
- └─ login_checker.php
- └─ login.php
- └─ logout.php
- └─ navigation.php
- └─ register.php

Prepare the database

Create a database

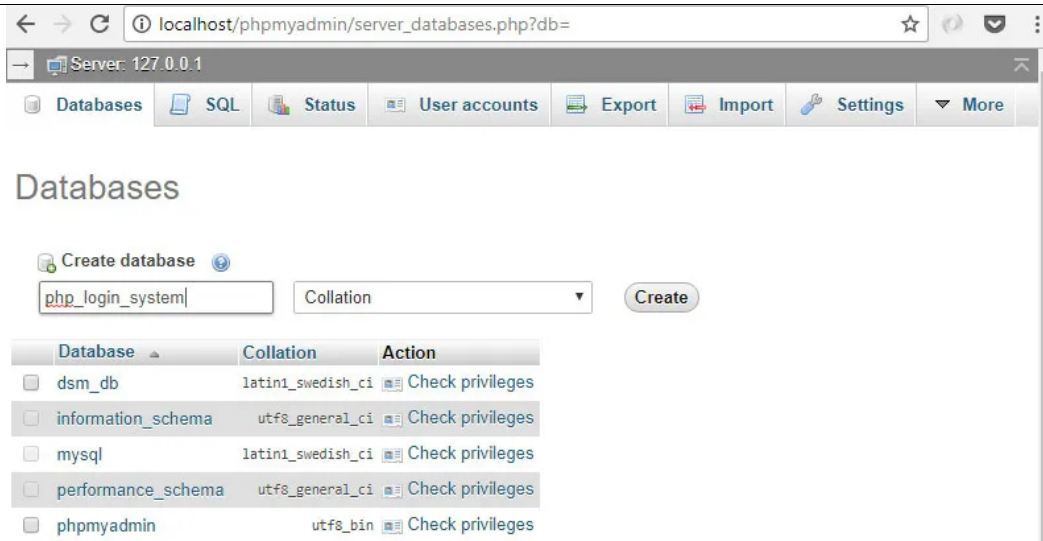
Open a new browser tab and go to PhpMyadmin. The address is <http://localhost/phpmyadmin> <
<http://localhost/phpmyadmin>> .

Create a database. Database name is: **php_login_system**

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) <
<https://www.codeofaninja.com/terms-of-use>> .

OK





< <https://i0.wp.com/www.codeofaninja.com/wp-content/uploads/2013/03/create-login-script-database.jpg?ssl=1> >

Run SQL for users table

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

[OK](#)

```
CREATE TABLE `users` (  
  `id` int(11) NOT NULL AUTO_INCREMENT,  
  `firstname` varchar(32) NOT NULL,  
  `lastname` varchar(32) NOT NULL,  
  `email` varchar(64) NOT NULL,  
  `contact_number` varchar(64) NOT NULL,  
  `address` text NOT NULL,  
  `password` varchar(512) NOT NULL,  
  `access_level` varchar(16) NOT NULL,  
  `access_code` text NOT NULL,  
  `status` int(11) NOT NULL COMMENT '0=pending,1=confirmed',  
  `created` datetime NOT NULL,  
  `modified` timestamp NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP  
  PRIMARY KEY (id)  
) ENGINE=InnoDB DEFAULT CHARSET=utf8 COMMENT='admin and customer users';
```

Run SQL for users accounts

Go to PhpMyAdmin's SQL tab again. Insert new records to users table by running the following SQL statement.

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```

INSERT INTO `users` (`id`, `firstname`, `lastname`, `email`, `contact_number`,
(1, 'Mike', 'Dalisay', 'mike@example.com', '0999999999', 'Blk. 24 A, Lot 6, Ph
(2, 'Lauro', 'Abogne', 'lauro@eacomm.com', '088888888', 'Pasig City', '$2y$10$i
(4, 'Darwin', 'Dalisay', 'darwin@example.com', '9331868359', 'Blk 24 A Lot 6 P
(7, 'Marisol Jane', 'Dalisay', 'mariz@gmail.com', '09998765432', 'Blk. 24 A, L
(9, 'Marykris', 'De Leon', 'marykrisdarell.deleon@gmail.com', '09194444444', '
(10, 'Merlin', 'Duckerberg', 'merlin@gmail.com', '09991112333', 'Project 2, Qu
(14, 'Charlon', 'Ignacio', 'charlon@gmail.com', '09876543345', 'Tandang Sora,
(15, 'Kobe Bro', 'Bryant', 'kobe@gmail.com', '09898787674', 'Los Angeles, Cali
(20, 'Tim', 'Duncan', 'tim@example.com', '9999999', 'San Antonio, Texas, USA',
(21, 'Tony', 'Parker', 'tony@example.com', '8888888', 'Blk 24 A Lot 6 Ph 3\r\r

```

Create database connection file

This class is used for connecting to a database.

I assume you are using XAMPP. Go to the root directory. In my case, it is the "C:\xampp\htdocs" directory.

We will create our project's folder. Create "php-login-script-level-1" folder. Open that folder.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use).

[OK](#)



```
<?php
// used to get mysql database connection
class Database{

    // specify your own database credentials
    private $host = "localhost";
    private $db_name = "php_login_system";
    private $username = "root";
    private $password = "";
    public $conn;

    // get the database connection
    public function getConnection(){

        $this->conn = null;

        try{
            $this->conn = new PDO("mysql:host=" . $this->host . ";dbname=" . $
        }catch(PDOException $exception){
            echo "Connection error: " . $exception->getMessage();
        }

        return $this->conn;
    }
}
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)



This class is used for “user” object operations such as creating a user, deleting a user and more.

We will add several methods in this class as we go along this tutorial.

For now, we will just put the PHP class structure and necessary object properties.

Create an “objects” folder. Create “user.php” file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// 'user' object
class User{

    // database connection and table name
    private $conn;
    private $table_name = "users";

    // object properties
    public $id;
    public $firstname;
    public $lastname;
    public $email;
    public $contact_number;
    public $address;
    public $password;
    public $access_level;
    public $access_code;
    public $status;
    public $created;
    public $modified;

    // constructor
    public function __construct($db){
        $this->conn = $db;
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

Congratulations! We just made the setup for our login script's database. We do not have an output on a webpage yet. Continue the tutorial below to achieve more output.

Prepare basic settings

Create config file

Using a config file is great for your app. It is a central place where you can set common variables such as your app's home URL, pagination settings, and more.

Open the "config" folder. Create "core.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
<?php
// show error reporting
error_reporting(E_ALL);

// start php session
session_start();

// set your default time-zone
date_default_timezone_set('Asia/Manila');

// home page url
$home_url="http://localhost/php-login-script-level-1/ < http://localhost/php-1

// page given in URL parameter, default page is one
$page = isset($_GET['page']) ? $_GET['page'] : 1;

// set number of records per page
$records_per_page = 5;

// calculate for the query LIMIT clause
$from_record_num = ($records_per_page * $page) - $records_per_page;
?>
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



If a user is not logged in and he tries to access a page where a login is required, that user will be redirected to login page.

Also, if a logged in user tries to access a login page, he will be redirected to the dashboard because he is already logged in.

Back to root directory, create "login_checker.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// login checker for 'customer' access level

// if access level was not 'Admin', redirect him to login page
if(isset($_SESSION['access_level']) && $_SESSION['access_level']!="Admin"){
    header("Location: {$home_url}admin/index.php?action=logged_in_as_admin");
}

// if $require_login was set and value is 'true'
else if(isset($require_login) && $require_login==true){
    // if user not yet logged in, redirect to login page
    if(!isset($_SESSION['access_level'])){
        header("Location: {$home_url}login.php?action=please_login");
    }
}

// if it was the 'login' or 'register' or 'sign up' page but the customer was
else if(isset($page_title) && ($page_title=="Login" || $page_title=="Sign Up"))
    // if user not yet logged in, redirect to login page
    if(isset($_SESSION['access_level']) && $_SESSION['access_level']=="Customer")
        header("Location: {$home_url}index.php?action=already_logged_in");
}

else{
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



Create .htaccess file

The .htaccess file use very useful to make URLs pretty and easy to remember.

For example, page page on this URL "<http://localhost/login.php> < <http://localhost/login.php>>
" can be accessed using this URL "<http://localhost/login> < <http://localhost/login>>".

Create ".htaccess" file. Place the following code.

```
#Fix Rewrite
Options -Multiviews

# Mod Rewrite
Options +FollowSymLinks
RewriteEngine On
RewriteBase /php-login-script-level-1/

RewriteCond %{REQUEST_FILENAME} !-f
RewriteCond %{REQUEST_FILENAME} !-d

# used for php pages such as "yoursite.com/login.php" will become "yoursite.co
RewriteRule ^([a-z_]+)\/?$ $1.php [NC]
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)



To make .htaccess file work, make sure mod_rewrite Apache module was enabled in your server. Learn more **here** < <https://www.codeofaninja.com/2013/04/mod-rewrite-url.html>> and **here** < <https://stackoverflow.com/a/3131259/827530>> .

Output

Congratulations! We just made the basic set up of our login script. We do not have an output on a webpage yet. Continue the tutorial below to achieve more output.

Create the template files

Template files are very useful because it saves us a lot of time. How? When you use template files, you won't have to repeat the common codes on each web page you are working on.

The examples of those common codes are the HTML tags on the 'head' and 'foot' of the web page. We will learn more about this concept as we go along this tutorial.

Create navigation bar

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)



By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```

<!-- navbar -->
<div class="navbar navbar-default navbar-static-top" role="navigation">
  <div class="container-fluid">

    <div class="navbar-header">
      <!-- to enable navigation dropdown when viewed in mobile device -->
      <button type="button" class="navbar-toggle" data-toggle="collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>

      <!-- Change "Your Site" to your site name -->
      <a class="navbar-brand" href="<?php echo $home_url; ?>">Your Site<
    </div>

    <div class="navbar-collapse collapse">
      <ul class="nav navbar-nav">
        <!-- link to the "Cart" page, highlight if current page is cart
        <li <?php echo $page_title=="Index" ? "class='active'" : ""; >
          <a href="<?php echo $home_url; ?>">Home</a>
        </li>
      </ul>

```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```
</div>  
</div>  
<!-- /navbar -->
```

Show logout button

If the user was logged-in, the system will show them a logout button in the navigation bar.

Replace “// login and logout options will be here ” of the previous section with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
// check if users / customer was logged in
// if user was logged in, show "Edit Profile", "Orders" and "Logout" options
if(isset($_SESSION['logged_in']) && $_SESSION['logged_in']==true && $_SESSION[
?>
<ul class="nav navbar-nav navbar-right">
  <li <?php echo $page_title=="Edit Profile" ? "class='active'" : ""; ?>>
    <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button"
      <span class="glyphicon glyphicon-user" aria-hidden="true"></span>
      <?php echo $_SESSION['firstname']; ?>
      <span class="caret"></span>
    </a>
    <ul class="dropdown-menu" role="menu">
      <li><a href="<?php echo $home_url; ?>logout.php">Logout</a></li>
    </ul>
  </li>
</ul>
<?php
}

// show login and register options here
```

Show login and register buttons

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



Replace "`// show login and register options here`" of the previous section with the following code.

```
// if user was not logged in, show the "login" and "register" options
else{
?>
<ul class="nav navbar-nav navbar-right">
  <li <?php echo $page_title=="Login" ? "class='active'" : ""; ?>>
    <a href="<?php echo $home_url; ?>login">
      <span class="glyphicon glyphicon-log-in"></span> Log In
    </a>
  </li>

  <li <?php echo $page_title=="Register" ? "class='active'" : ""; ?>>
    <a href="<?php echo $home_url; ?>register">
      <span class="glyphicon glyphicon-check"></span> Register
    </a>
  </li>
</ul>
<?php
}
```

Create page header

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)



What we will do is to put them in this one file. It can be used by different PHP files using **PHP include_once** < <https://php.net/manual/en/function.include-once.php> > statement.

Create "layout_head.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

OK



```
<!DOCTYPE html>
<html lang="en">
<head>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <!-- set the page title, for seo purposes too -->
    <title><?php echo isset($page_title) ? strip_tags($page_title) : "Store Fr

    <!-- Bootstrap CSS -->
    <link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.

    <!-- admin custom CSS -->
    <link href="<?php echo $home_url . "libs/css/customer.css" ?>" rel="styles

</head>
<body>

    <!-- include the navigation bar -->
    <?php include_once 'navigation.php'; ?>

    <!-- container -->
    <div class="container">
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```
<div class='col-md-12'>
  <div class="page-header">
    <h1><?php echo isset($page_title) ? $page_title : "The Code of
  </div>
</div>
<?php
}
?>
```

Create page footer

The same concept with the page header file above, we do not want to copy and paste the same HTML footer code for different PHP files.

Create "layout_foot.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
</div>
<!-- /container -->

<!-- jQuery library -->
<script src="https://code.jquery.com/jquery-3.2.1.min.js < https://code.jquery

<!-- Bootstrap JavaScript -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.

<!-- end HTML page -->
</body>
</html>
```

Customer section custom CSS

We will customize the web page for the customer using this CSS file. You can add your own CSS here as well.

Create "libs" folder. Create "css" folder. Create "customer.css" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
.margin-bottom-1em{ margin-bottom:1em; }  
.width-30-percent{ width:30%; }  
.margin-1em-zero{ margin:1em 0; }  
.width-30-percent{ width:30%; }  
.width-70-percent{ width:70%; }  
.margin-top-40{ margin-top:40px; }  
.text-align-center{ text-align:center; }  
  
div#blueimp-gallery div.modal{ overflow: visible; }  
  
.photo-thumb{  
    width:214px;  
    height:214px;  
    float:left;  
    border: thin solid #d1d1d1;  
    margin:0 1em 1em 0;  
}  
  
.form-signin{  
    max-width: 330px;  
    padding: 15px;  
    margin: 0 auto;  
}  
  
.form-signin .form-control{
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
-moz-box-sizing: border-box;
box-sizing: border-box;
}

.form-signin .form-control:focus{ z-index: 2; }

.form-signin input[type="text"]{
  margin-bottom: -1px;
  border-bottom-left-radius: 0;
  border-bottom-right-radius: 0;
}

.form-signin input[type="password"]{
  margin-bottom: 10px;
  border-top-left-radius: 0;
  border-top-right-radius: 0;
}

.account-wall{
  margin-top: 40px;
  padding: 40px 0px 20px 0px;
  background-color: #ffffff;
  box-shadow: 0 2px 10px 0 rgba(0, 0, 0, 0.16);
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
}

.profile-img{
    width: 96px;
    height: 96px;
    margin: 0 auto 10px;
    display: block;
    -moz-border-radius: 50%;
    -webkit-border-radius: 50%;
    border-radius: 50%;
}

.select-img{
    border-radius: 50%;
    display: block;
    height: 75px;
    margin: 0 30px 10px;
    width: 75px;
    -moz-border-radius: 50%;
    -webkit-border-radius: 50%;
    border-radius: 50%;
}

.select-name{
    display: block;
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
height: 96px;  
margin: 0 auto 10px;  
display: block;  
-moz-border-radius: 50%;  
-webkit-border-radius: 50%;  
border-radius: 50%;  
}
```

Output

Congratulations! We just made the set up for our web pages. Our login page, register page, index page and other pages will look more beautiful now.

We do not have an output on a webpage yet. Continue the tutorial below to achieve the output of our login page.

Create login form

Include basic settings

This file is where the user will enter his email and password.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// set page title
$page_title = "Login";

// include login checker
$require_login=false;
include_once "login_checker.php";

// default to false
$access_denied=false;

// post code will be here

// login form html will be here
?>
```

Login form HTML

Next, we will add the actual HTML form that contains the email field, password field and login button.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// include page header HTML
include_once "layout_head.php";

echo "<div class='col-sm-6 col-md-4 col-md-offset-4'>";

    // alert messages will be here

    // actual HTML login form
    echo "<div class='account-wall'>";
        echo "<div id='my-tab-content' class='tab-content'>";
            echo "<div class='tab-pane active' id='login'>";
                echo "<img class='profile-img' src='images/login-icon.png'>";
                echo "<form class='form-signin' action='" . htmlspecialchars($
                    echo "<input type='text' name='email' class='form-control'
                    echo "<input type='password' name='password' class='form-c
                    echo "<input type='submit' class='btn btn-lg btn-primary b
                echo "</form>";
            echo "</div>";
        echo "</div>";
    echo "</div>";

echo "</div>";

// footer HTML and JavaScript codes
include_once "layout_foot.php";
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

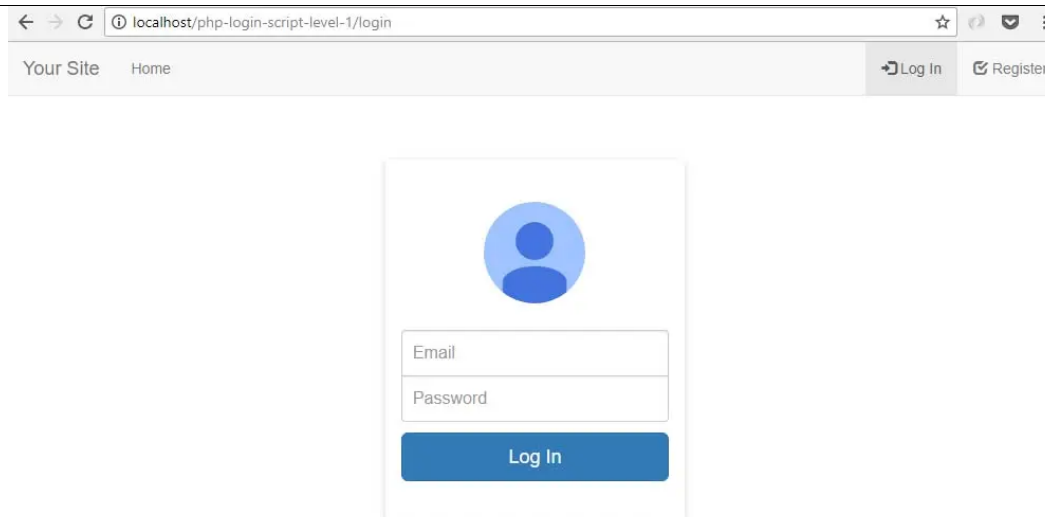


Finally! We just made our first output. Open a new tab and go to **<http://localhost/php-login-script-level-1/login>** < **<http://localhost/php-login-script-level-1/login>**> , you should see something like the following.

By using this site, you agree to our **[Privacy Policy](https://www.codeofaninja.com/privacy-policy)** < **<https://www.codeofaninja.com/privacy-policy>**> and **[Terms of Use](https://www.codeofaninja.com/terms-of-use)** < **<https://www.codeofaninja.com/terms-of-use>**> .


OK





← → ↻ ⓘ localhost/php-login-script-level-1/login ☆ 🔄 🛡️ ⋮

Your Site Home Log In Register



Email

Password

Log In

< <https://i0.wp.com/www.codeofaninja.com/wp-content/uploads/2013/03/login-page-php-login-script-with-sessions.jpg?ssl=1> >

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

OK

These alert messages are shown based on the given action parameter. The system action was generated as a result of the activity the user has taken.

For example, the user tries to access a page where a login is required. The system will generate the "please_login" action that will be used to show a "Please login to access that page." message.

Replace "// alert messages will be here" of the previous section with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// get 'action' value in url parameter to display corresponding prompt message
$action=isset($_GET['action']) ? $_GET['action'] : "";

// tell the user he is not yet logged in
if($action=='not_yet_logged_in'){
    echo "<div class='alert alert-danger margin-top-40' role='alert'>Please login";
}

// tell the user to login
else if($action=='please_login'){
    echo "<div class='alert alert-info'>
        <strong>Please login to access that page.</strong>
    </div>";
}

// tell the user email is verified
else if($action=='email_verified'){
    echo "<div class='alert alert-success'>
        <strong>Your email address have been validated.</strong>
    </div>";
}

// tell the user if access denied
if($access_denied){
    echo "<div class='alert alert-danger margin-top-40' role='alert'>
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



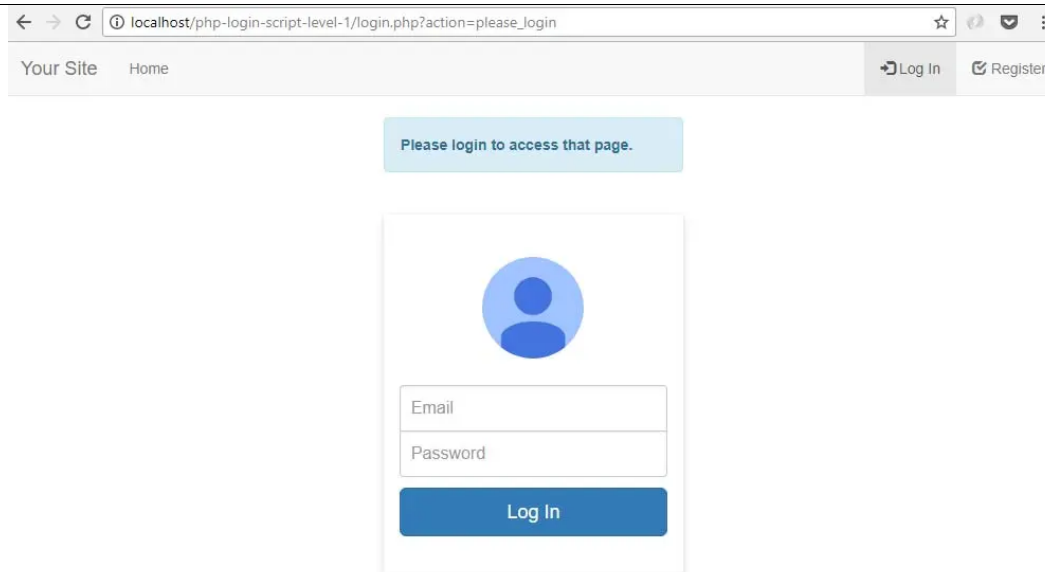
Alert message output

Here's a sample output if we added the previous section's code. The alert message below were seen if the user tries to access the customer index page <http://localhost/php-login-script-level-1/> < <http://localhost/php-login-script-level-1/>> without logging in.

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

[OK](#)






← → ↻ ⓘ localhost/php-login-script-level-1/login.php?action=please_login ☆ 🌐 🛡️ ⋮

Your Site Home Log In Register

Please login to access that page.



Log In

< <https://i0.wp.com/www.codeofaninja.com/wp-content/uploads/2013/03/php-login-page-alert-message.jpg?ssl=1> >

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

OK

Find "// post code will be here" in "login.php" file. Replace it with the following code.

```
// if the login form was submitted
if($_POST){
    // email check will be here
}
```

Check if email exists

The code below will check if the submitted email address exists in the database. The \$user->emailExists(); function will return true or false.

Replace "// email check will be here" of the previous section with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// include classes
include_once "config/database.php";
include_once "objects/user.php";

// get database connection
$database = new Database();
$db = $database->getConnection();

// initialize objects
$user = new User($db);

// check if email and password are in the database
$user->email=$_POST['email'];

// check if email exists, also get user details using this emailExists() method
$email_exists = $user->emailExists();

// login validation will be here
```

Add emailExists() method

The previous section will not work without the following method inside the user class. This method

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// check if given email exist in the database
function emailExists(){

    // query to check if email exists
    $query = "SELECT id, firstname, lastname, access_level, password, status
    FROM " . $this->table_name . "
    WHERE email = ?
    LIMIT 0,1";

    // prepare the query
    $stmt = $this->conn->prepare( $query );

    // sanitize
    $this->email=htmlspecialchars(strip_tags($this->email));

    // bind given email value
    $stmt->bindParam(1, $this->email);

    // execute the query
    $stmt->execute();

    // get number of rows
    $num = $stmt->rowCount();

    // if email exists, assign values to object properties for easy access and
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// assign values to object properties
$this->id = $row['id'];
$this->firstname = $row['firstname'];
$this->lastname = $row['lastname'];
$this->access_level = $row['access_level'];
$this->password = $row['password'];
$this->status = $row['status'];

// return true because email exists in the database
return true;
}

// return false if email does not exist in the database
return false;
}
```

Validate login credentials

The user will be allowed to login when \$email_exists is true, the password matches and user status is equal to 1.

We used the built in PHP **password_verify()** function <

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



User status 1 means the user is verified. 0 means unverified. For this tutorial, we assume all users are verified.

Replace `“// login validation will be here”` of `“login.php”` with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
// validate login
if ($email_exists && password_verify($_POST['password'], $user->password) && $

    // if it is, set the session value to true
    $_SESSION['logged_in'] = true;
    $_SESSION['user_id'] = $user->id;
    $_SESSION['access_level'] = $user->access_level;
    $_SESSION['firstname'] = htmlspecialchars($user->firstname, ENT_QUOTES, 'U
    $_SESSION['lastname'] = $user->lastname;

    // if access level is 'Admin', redirect to admin section
    if($user->access_level=='Admin'){
        header("Location: {$home_url}admin/index.php?action=login_success");
    }

    // else, redirect only to 'Customer' section
    else{
        header("Location: {$home_url}index.php?action=login_success");
    }
}

// if username does not exist or password is wrong
else{
    $access_denied=true;
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



This file is shown when the user was successfully logged in.

Create "index.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// set page title
$page_title="Index";

// include login checker
$require_login=true;
include_once "login_checker.php";

// include page header HTML
include_once 'layout_head.php';

echo "<div class='col-md-12'>";

    // to prevent undefined index notice
    $action = isset($_GET['action']) ? $_GET['action'] : "";

    // if login was successful
    if($action=='login_success'){
        echo "<div class='alert alert-info'>";
        echo "<strong>Hi " . $_SESSION['firstname'] . ", welcome back!</strong>";
        echo "</div>";
    }
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



```
        echo "</div>";
    }

    // content once logged in
    echo "<div class='alert alert-info'>";
        echo "Content when logged in will be here. For example, your premium p";
    echo "</div>";

echo "</div>";

// footer HTML and JavaScript codes
include 'layout_foot.php';
?>
```

Logout file

Here's how to logout the logged in user.

Create "logout.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// destroy session, it will remove ALL session settings
session_destroy();

//redirect to login page
header("Location: {$home_url}login.php");
?>
```

Output

The login form and logout should work at this point. When you try to login a customer account. Use the following login credentials.

Username: darwin@example.com

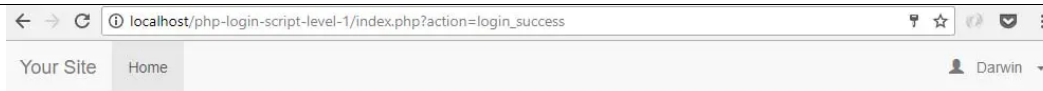
Password: darwin12qw!@QW

Once logged-in, you will see the following.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK





Index

Hi Darwin, welcome back!

Content when logged in will be here. For example, your premium products or services.

< <https://i0.wp.com/www.codeofaninja.com/wp-content/uploads/2013/03/customer-index-page-php-login-script.jpg?ssl=1> >

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

[OK](#)

The register page, also known as the “sign up” page, is where people will enter their information to be a registered user of the system.

Create “register.php” file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// set page title
$page_title = "Register";

// include login checker
include_once "login_checker.php";

// include classes
include_once 'config/database.php';
include_once 'objects/user.php';
include_once "libs/php/utils.php";

// include page header HTML
include_once "layout_head.php";

echo "<div class='col-md-12'>";

    // registration form HTML will be here

echo "</div>";

// include page footer HTML
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



This class is used for accessing common or general methods used by our application. This is a good practice. We will add this here so that it can be used later in this tutorial as well.

Open "libs" folder. Create "php" folder and open it. Create "utils.php" file. Place the following code.

```
<?php
class Utils{

}
?>
```

Registration form HTML

The register.php file does not have the registration form. We will place the registration form using the code below.

Replace "`// registration form HTML will be here`" of the previous section with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// code when form was submitted will be here
?>
<form action='register.php' method='post' id='register'>

    <table class='table table-responsive'>

        <tr>
            <td class='width-30-percent'>Firstname</td>
            <td><input type='text' name='firstname' class='form-control' requi
        </tr>

        <tr>
            <td>Lastname</td>
            <td><input type='text' name='lastname' class='form-control' requir
        </tr>

        <tr>
            <td>Contact Number</td>
            <td><input type='text' name='contact_number' class='form-control'
        </tr>

        <tr>
            <td>Address</td>
            <td><textarea name='address' class='form-control' required><?php e
        </tr>
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```

        <tr>
            <td>Password</td>
            <td><input type='password' name='password' class='form-control' re
        </tr>

        <tr>
            <td></td>
            <td>
                <button type="submit" class="btn btn-primary">
                    <span class="glyphicon glyphicon-plus"></span> Register
                </button>
            </td>
        </tr>
    </table>
</form>
<?php

```

If registration form was submitted

This is code where the system will catch the information submitted by the user. The code below will try to detect if the registration form was submitted. It also validates if the submitted email already

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



Replace “// code when form was submitted will be here” of the previous section with the following code.

```
// if form was posted
if($_POST){

    // get database connection
    $database = new Database();
    $db = $database->getConnection();

    // initialize objects
    $user = new User($db);
    $utils = new Utils();

    // set user email to detect if it already exists
    $user->email=$_POST['email'];

    // check if email already exists
    if($user->emailExists()){
        echo "<div class='alert alert-danger'>";
        echo "The email you specified is already registered. Please try ag
        echo "</div>";
    }
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Create new user

If the email does not exist, the program will create the user in the database. The code below will assign the submitted data to "user object" properties and then call the create() method.

Replace the comment "// create user will be here" of the previous section with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// set values to object properties
$user->firstname=$_POST['firstname'];
$user->lastname=$_POST['lastname'];
$user->contact_number=$_POST['contact_number'];
$user->address=$_POST['address'];
$user->password=$_POST['password'];
$user->access_level='Customer';
$user->status=1;

// create the user
if($user->create()){

    echo "<div class='alert alert-info'>";
        echo "Successfully registered. <a href='{$_home_url}login'>Please login";
    echo "</div>";

    // empty posted values
    $_POST=array();

}else{
    echo "<div class='alert alert-danger' role='alert'>Unable to register. Ple";
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



and executes the query.

Open "objects" folder. Open "user.php" file. Add the following function inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// create new user record
function create(){

    // to get time stamp for 'created' field
    $this->created=date('Y-m-d H:i:s');

    // insert query
    $query = "INSERT INTO
              " . $this->table_name . "
              SET
                firstname = :firstname,
                lastname = :lastname,
                email = :email,
                contact_number = :contact_number,
                address = :address,
                password = :password,
                access_level = :access_level,
                status = :status,
                created = :created";

    // prepare the query
    $stmt = $this->conn->prepare($query);

    // sanitize
    $this->firstname=htmlspecialchars(strip_tags($this->firstname));
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
$this->access_level=htmlspecialchars(strip_tags($this->access_level));
$this->status=htmlspecialchars(strip_tags($this->status));

// bind the values
$stmt->bindParam(':firstname', $this->firstname);
$stmt->bindParam(':lastname', $this->lastname);
$stmt->bindParam(':email', $this->email);
$stmt->bindParam(':contact_number', $this->contact_number);
$stmt->bindParam(':address', $this->address);

// hash the password before saving to database
$password_hash = password_hash($this->password, PASSWORD_BCRYPT);
$stmt->bindParam(':password', $password_hash);

$stmt->bindParam(':access_level', $this->access_level);
$stmt->bindParam(':status', $this->status);
$stmt->bindParam(':created', $this->created);

// execute the query, also check if query was successful
if($stmt->execute()){
    return true;
}else{
    $this->showError($stmt);
    return false;
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Add showError() method

The purpose of this method is to show additional details about an error.

```
public function showError($stmt){  
    echo "<pre>";  
    print_r($stmt->errorInfo());  
    echo "</pre>";  
}
```

Output

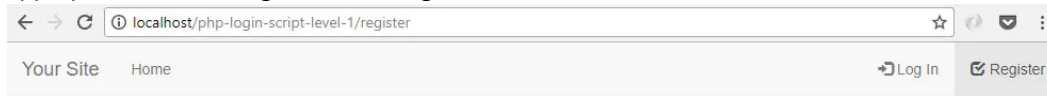
Run **<http://localhost/php-login-script-level-1/register>** < **<http://localhost/php-login-script-level-1/register>**>, you should see an output the looks like the screenshot below. It will display

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



appropriate alert message when the registration form was submitted.



Register

Firstname	<input type="text" value="John"/>
Lastname	<input type="text" value="Watson"/>
Contact Number	<input type="text" value="09876543212"/>
Address	<input type="text" value="Eastwood City, Philippines"/>
Email	<input type="text" value="johnwatson@gmail.com"/>
Password	<input type="password" value="....."/>

+ Register

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

page-php-login-script.jpg?ssl=1>

Admin section

Create admin index page

Once the an admin user successfully logged in, this admin index page is where he will land.

Create "admin" folder. Create "index.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "../config/core.php";

// check if logged in as admin
include_once "login_checker.php";

// set page title
$page_title="Admin Index";

// include page header HTML
include 'layout_head.php';

    echo "<div class='col-md-12'>";

    // get parameter values, and to prevent undefined index notice
    $action = isset($_GET['action']) ? $_GET['action'] : "";

    // tell the user he's already logged in
    if($action=='already_logged_in'){
        echo "<div class='alert alert-info'>";
        echo "<strong>You</strong> are already logged in.";
        echo "</div>";
    }
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```
        echo "<div class='alert alert-info'>";
            echo "Contents of your admin section will be here.";
        echo "</div>";

    echo "</div>";

// include page footer HTML
include_once 'layout_foot.php';
?>
```

Create navigation bar

The admin section has its own navigation bar. The reason is the admin menu can be very different from the user menu.

Open “admin” folder. Create “navigation.php” file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```

<!-- navbar -->
<div class="navbar navbar-default navbar-static-top" role="navigation">
  <div class="container-fluid">

    <div class="navbar-header">
      <!-- to enable navigation dropdown when viewed in mobile device -->
      <button type="button" class="navbar-toggle" data-toggle="collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>

      <!-- Change "Site Admin" to your site name -->
      <a class="navbar-brand" href="<?php echo $home_url; ?>admin/index.
    </div>

    <div class="navbar-collapse collapse">
      <ul class="nav navbar-nav">

        <!-- highlight for order related pages -->
        <li <?php echo $page_title=="Admin Index" ? "class='active'" :
          <a href="<?php echo $home_url; ?>admin/index.php">Home</a>
        </li>

```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```

    </ul>

    <!-- options in the upper right corner of the page -->
    <ul class="nav navbar-nav navbar-right">
        <li>
            <a href="#" class="dropdown-toggle" data-toggle="dropdown"
                <span class="glyphicon glyphicon-user" aria-hidden="true">
                    <?php echo $_SESSION['firstname']; ?>
                <span class="caret"></span>
            </a>
            <ul class="dropdown-menu" role="menu">
                <!-- log out user -->
                <li><a href="<?php echo $home_url; ?>logout.php">Logout
            </li>
            </ul>
        </li>
    </ul>

    </div><!--/.nav-collapse -->

</div>
<!-- /navbar -->

```

Create page header

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



Open "admin" folder. Create "layout_head.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<!DOCTYPE html>
<html lang="en">
<head>

    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <title><?php echo isset($page_title) ? strip_tags($page_title) : "Store Ac

    <!-- Bootstrap CSS -->
    <link href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.

    <!-- admin custom CSS -->
    <link href="<?php echo $home_url . "libs/css/admin.css" ?>" rel="styleshee

</head>
<body>

    <?php
    // include top navigation bar
    include_once "navigation.php";
    ?>

    <!-- container -->
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK



```
<h1><?php echo isset($page_title) ? $page_title : "The Code of  
</div>  
</div>
```

Create page footer

This page footer file is for admin section only as well.

Open "admin" folder. Create "layout_foot.php" file. Place the following code.

```
</div>  
<!-- /container -->  
  
<!-- jQuery library -->  
<script src="https://code.jquery.com/jquery-3.2.1.min.js < https://code.jquery  
  
<!-- Bootstrap JavaScript -->  
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.  
  
<!-- end the HTML page -->  
</body>  
</html>
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



There are differences in style in the admin section as well. For this reason, we need a different custom.css file.

Open "libs" folder. Open "css" folder. Create "admin.css" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
.right-button-margin{
    margin: 0 0 1em 0;
    overflow: hidden;
}

.thumb-image {
    float:left;
    width: 150px;
    height: 150px;
    margin:.6em 1.2em 0 0;
    position:relative;
}

.thumb-image .delete-image {
    position:absolute;
    top:-10px;
    right:-10px;
}

.thumb-wrapper{
    border:thin solid #999;
    float:left;
    width: 150px;
    height: 150px;
    margin:.6em 1.2em 0 0;
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
.width-20-em{ width: 20em; }  
.width-13-em{ width: 13em; }  
.margin-zero{ margin:0; }  
.padding-zero{ padding:0; }  
.btn-margin-right{ margin-right:.5em; }  
.margin-bottom-1em{ margin-bottom:1em; }  
.left-margin{ margin:0 .5em 0 0; }  
.delete-image img{ width:25px; }  
.thumb-wrapper img{ width:130px; height:130px; margin:10px; }  
#html-btn { display:none; }  
.delete-pdf{ margin-left:.5em; }  
.delete-pdf img{ width:20px; cursor:pointer; }  
.pdf-item{ padding:0 0 1em 0; }
```

Create login checker file

We choose to use a different login checker for the admin section. This is because there can be different redirects required by the admin section.

Open "admin" folder. Create "login_checker.php" file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// login checker for 'admin' access level

// if the session value is empty, he is not yet logged in, redirect him to log
if(empty($_SESSION['logged_in'])){
    header("Location: {$home_url}login.php?action=not_yet_logged_in");
}

// if access level was not 'Admin', redirect him to login page
else if($_SESSION['access_level']!="Admin"){
    header("Location: {$home_url}login.php?action=not_admin");
}

else{
    // no problem, stay on current page
}
?>
```

Output

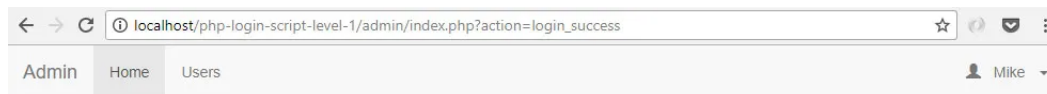
Use the following login credentials to login an admin account.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Once logged-in, you will see the following.



Admin Index

Welcome back admin Mike!

Contents of your admin section will be here.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Create "read users" file

This file will is what was accessed in the browser to show the list of registered users.

Create `read_users.php` file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "../config/core.php";

// check if logged in as admin
include_once "login_checker.php";

// include classes
include_once '../config/database.php';
include_once '../objects/user.php';

// get database connection
$database = new Database();
$db = $database->getConnection();

// initialize objects
$user = new User($db);

// set page title
$page_title = "Users";

// include page header HTML
include_once "layout_head.php";

echo "<div class='col-md-12'>";
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

```
$num = $stmt->rowCount();

// to identify page for paging
$page_url="read_users.php?";

// include products table HTML template
include_once "read_users_template.php";

echo "</div>";

// include page footer HTML
include_once "layout_foot.php";
?>
```

Add readAll() method in user object

This method is needed by the previous section to retrieved records from the database.

Open "objects" folder. Open "user.php" file. Place the following code inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// read all user records
function readAll($from_record_num, $records_per_page){

    // query to read all user records, with limit clause for pagination
    $query = "SELECT
        id,
        firstname,
        lastname,
        email,
        contact_number,
        access_level,
        created
    FROM " . $this->table_name . "
    ORDER BY id DESC
    LIMIT ?, ?";

    // prepare query statement
    $stmt = $this->conn->prepare( $query );

    // bind limit clause variables
    $stmt->bindParam(1, $from_record_num, PDO::PARAM_INT);
    $stmt->bindParam(2, $records_per_page, PDO::PARAM_INT);

    // execute query
    $stmt->execute();
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Create "read users" template file

The HTML table is where the records are placed. We used a template file so that we can use the same layout for the search feature.

Create `read_users_template.php` file. Place the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// display the table if the number of users retrieved was greater than zero
if($num>0){

    echo "<table class='table table-hover table-responsive table-bordered'>";

    // table headers
    echo "<tr>";
        echo "<th>Firstname</th>";
        echo "<th>Lastname</th>";
        echo "<th>Email</th>";
        echo "<th>Contact Number</th>";
        echo "<th>Access Level</th>";
    echo "</tr>";

    // loop through the user records
    while ($row = $stmt->fetch(PDO::FETCH_ASSOC)){
        extract($row);

        // display user details
        echo "<tr>";
            echo "<td>{$firstname}</td>";
            echo "<td>{$lastname}</td>";
            echo "<td>{$email}</td>";
            echo "<td>{$contact_number}</td>";
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
$page_url="read_users.php?";  
$total_rows = $user->countAll();  
  
// actual paging buttons  
include_once 'paging.php';  
}  
  
// tell the user there are no selfies  
else{  
    echo "<div class='alert alert-danger'>  
        <strong>No users found.</strong>  
    </div>";  
}  
?>
```

Add countAll() method in user object

The data returned by the countAll() method is used for calculating the correct pagination buttons.

Open "objects" folder. Open "user.php" file. Place the following code inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// used for paging users
public function countAll(){

    // query to select all user records
    $query = "SELECT id FROM " . $this->table_name . "";

    // prepare query statement
    $stmt = $this->conn->prepare($query);

    // execute query
    $stmt->execute();

    // get number of rows
    $num = $stmt->rowCount();

    // return row count
    return $num;
}
```

Paginate list of users

This pagination file renders the clickable page buttons. It can be used for different objects as well, not just users.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK




```
<?php
echo "<ul class=\"pagination margin-zero\">";

// button for first page
if($page>1){
    echo "<li><a href='{ $page_url}' title='Go to the first page.'>";
    echo "First Page";
    echo "</a></li>";
}

// calculate total number of pages
$total_pages = ceil($total_rows / $records_per_page);

// range of links to show
$range = 2;

// display links to 'range of pages' around 'current page'
$initial_num = $page - $range;
$condition_limit_num = ($page + $range) + 1;

for ($x=$initial_num; $x<$condition_limit_num; $x++) {

    // be sure '$x is greater than 0' AND 'less than or equal to the $total_pa
    if (($x > 0) && ($x <= $total_pages)) {
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// not current page
else {
    echo "<li><a href='{ $page_url }page=$x'>$x</a></li>";
}
}

// button for last page
if($page<$total_pages){
    echo "<li><a href='" . $page_url . "page={ $total_pages}' title='Last page i";
    echo "Last Page";
    echo "</a></li>";
}

echo "</ul>";
?>
```

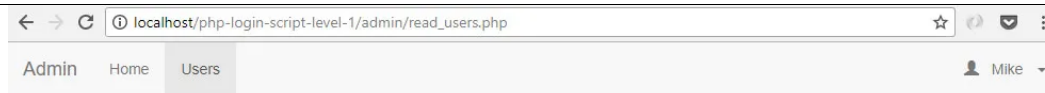
Output

Login as admin and go to [< http://localhost/php-login-script-level-1/admin/read_users.php < http://localhost/php-login-script-level-1/admin/read_users.php>](http://localhost/php-login-script-level-1/admin/read_users.php) , you should see an output like the following.

By using this site, you agree to our [< Privacy Policy < https://www.codeofaninja.com/privacy-policy> and Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/privacy-policy) .

[OK](#)





Users

Firstname	Lastname	Email	Contact Number	Access Level
Tony	Parker	tony@example.com	8888888	Customer
Tim	Duncan	tim@example.com	9999999	Customer
Kobe Bro	Bryant	kobe@gmail.com	09898787674	Customer
Charlon	Ignacio	charlon@gmail.com	09876543345	Customer
Merlin	Duckerberg	merlin@gmail.com	09991112333	Admin

1 2 Last Page

< <https://i0.wp.com/www.codeofaninja.com/wp-content/uploads/2013/03/admin->

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK

This feature needs a remote server where PHP mail function works. It does not work in localhost.

Change account status

If the user status is equal to 1, it means the email account is valid.

Since we want the user to validate his own email address, we will make it invalid (status equals to 0) the first time he register an account to our system.

Open register.php file and find:

Change the it to:

```
$user->status=1;
```

Add access code field

Access code is a unique string of characters that is needed for email validation process. Still in register.php, place the following code under the code of the previous section.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Add getToken() method

This method will generate a unique string of characters for the access code field of the previous section.

Open "libs/php/utlils.php" file and place the following code inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
function getToken($length=32){
    $token = "";
    $codeAlphabet = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";
    $codeAlphabet.= "abcdefghijklmnopqrstuvwxyz";
    $codeAlphabet.= "0123456789";
    for($i=0;$i<$length;$i++){
        $token .= $codeAlphabet[$this->crypto_rand_secure(0,strlen($codeAlphabet))];
    }
    return $token;
}

function crypto_rand_secure($min, $max) {
    $range = $max - $min;
    if ($range < 0) return $min; // not so random...
    $log = log($range, 2);
    $bytes = (int) ($log / 8) + 1; // length in bytes
    $bits = (int) $log + 1; // length in bits
    $filter = (int) (1 << $bits) - 1; // set all lower bits to 1
    do {
        $rnd = hexdec(bin2hex(openssl_random_pseudo_bytes($bytes)));
        $rnd = $rnd & $filter; // discard irrelevant bits
    } while ($rnd >= $range);
    return $min + $rnd;
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)



Since we added a new field, we need to change the create() method in the User class.

Open objects/user.php file. Replace the create() method with the new one below.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// create new user record
function create(){

    // to get time stamp for 'created' field
    $this->created=date('Y-m-d H:i:s');

    // insert query
    $query = "INSERT INTO " . $this->table_name . "
        SET
        firstname = :firstname,
        lastname = :lastname,
        email = :email,
        contact_number = :contact_number,
        address = :address,
        password = :password,
        access_level = :access_level,
        access_code = :access_code,
        status = :status,
        created = :created";

    // prepare the query
    $stmt = $this->conn->prepare($query);

    // sanitize
    $this->firstname=htmlspecialchars(strip_tags($this->firstname));
```

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy>> and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use>> .

OK




```
$this->access_level=htmlspecialchars(strip_tags($this->access_level));
$this->access_code=htmlspecialchars(strip_tags($this->access_code));
$this->status=htmlspecialchars(strip_tags($this->status));

// bind the values
$stmt->bindParam(':firstname', $this->firstname);
$stmt->bindParam(':lastname', $this->lastname);
$stmt->bindParam(':email', $this->email);
$stmt->bindParam(':contact_number', $this->contact_number);
$stmt->bindParam(':address', $this->address);

// hash the password before saving to database
$password_hash = password_hash($this->password, PASSWORD_BCRYPT);
$stmt->bindParam(':password', $password_hash);

$stmt->bindParam(':access_level', $this->access_level);
$stmt->bindParam(':access_code', $this->access_code);
$stmt->bindParam(':status', $this->status);
$stmt->bindParam(':created', $this->created);

// execute the query, also check if query was successful
if($stmt->execute()){
    return true;
}else{
    $this->showError($stmt);
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use).

[OK](#)



Add access_code property

The previous section will not work without this new “access_code” property. Open on objects/user.php file, find this line:

```
public $access_level;
```

And add the following code under it.

```
public $access_code;
```

11.6 Send verification email

Instead of just displaying “Successfully registered.” message, we will send a verification link to user’s email address.

This means we will use a new function and message saying “Verification link was sent to your email. Click that link to login.”.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// create the user
if($user->create()){

    echo "<div class='alert alert-info'>";
    echo "Successfully registered. <a href='{$home_url}login'>Please login";
    echo "</div>";

    // empty posted values
    $_POST=array();

}else{
    echo "<div class='alert alert-danger' role='alert'>Unable to register. Ple
}"
```

Replace it with the following code.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// create the user
if($user->create()){

    // send confirmation email
    $send_to_email=$_POST['email'];
    $body="Hi {$send_to_email}.<br /><br />";
    $body.="Please click the following link to verify your email and login: {$";
    $subject="Verification Email";

    if($utils->sendEmailViaPhpMail($send_to_email, $subject, $body)){
        echo "<div class='alert alert-success'>
            Verification link was sent to your email. Click that link to login
        </div>";
    }

    else{
        echo "<div class='alert alert-danger'>
            User was created but unable to send verification email. Please cor
        </div>";
    }

    // empty posted values
    $_POST=array();

} else{
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Add sendEmailViaPhpMail() method

This method will help send the email with verification link to the email address submitted by the user. It uses the built-in PHP mail() function.

Open "libs/php/utils.php" file. Place the following code inside the class.

```
// send email using built in php mail function
public function sendEmailViaPhpMail($send_to_email, $subject, $body){

    $from_name="Your Name";
    $from_email="yourname@yourdomain.com";

    $headers = "MIME-Version: 1.0\r\n";
    $headers .= "Content-type: text/html; charset=iso-8859-1\r\n";
    $headers .= "From: {$from_name} <{$from_email}> \r\n";

    if(mail($send_to_email, $subject, $body, $headers)){
        return true;
    }

    return false;
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Output

Try to register a new account. After submitting the form, you will see a message box like the following. Follow what the message says to validate the email address.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



← → ↻ Secure | <https://www.codeofaninja.com/demos/php-login-script-level-1.5/register.php> 🔒 ☆ 🔄 🛡️

Your Site Home Log In Register

Register

Verification link was sent to your email. Click that link to login.

Firstname

Lastname

Contact Number

Address

Email

Password

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



The verification email that the user will receive looks like the following. You can always change the copy of this message using the `$subject` and `$body` variables.

Verification Email



Mike Dalisay via managedcloudhostingemail.com
to me ▾

7:38 AM (1 minute ago) ☆



Hi ninjazhai30@gmail.com.

Please click the following link to verify your email and login: https://www.codeofaninja.com/demos/php-login-script-level-1.5/verify/?access_code=0wfOeZaY4GSkEkfJuDDOTBlsfGVXpvc

Create verification file

Once the user clicked the verification link, the system will change the status from 0 to 1.

He will be redirected to the login page with a confirmation message as well.

Create `verify.php` file in your project's main directory. Place the following code.

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

OK




```
<?php
// core configuration
include_once "config/core.php";

// include classes
include_once 'config/database.php';
include_once 'objects/user.php';

// get database connection
$database = new Database();
$db = $database->getConnection();

// initialize objects
$user = new User($db);

// set access code
$user->access_code=isset($_GET['access_code']) ? $_GET['access_code'] : "";

// verify if access code exists
if(!$user->accessCodeExists()){
    die("ERROR: Access code not found.");
}

// redirect to login
else{
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// and the redirect
header("Location: {$home_url}login.php?action=email_verified");
}
?>
```

Add `accessCodeExists()` method

This method will check the database if an access code already exists. It will return true if it found something, else, it will return false.

Open “objects/user.php” file. Add the following code inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// check if given access_code exist in the database
function accessCodeExists(){

    // query to check if access_code exists
    $query = "SELECT id
              FROM " . $this->table_name . "
              WHERE access_code = ?
              LIMIT 0,1";

    // prepare the query
    $stmt = $this->conn->prepare( $query );

    // sanitize
    $this->access_code=htmlspecialchars(strip_tags($this->access_code));

    // bind given access_code value
    $stmt->bindParam(1, $this->access_code);

    // execute the query
    $stmt->execute();

    // get number of rows
    $num = $stmt->rowCount();

    // if access_code exists
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// return false if access_code does not exist in the database
return false;

}
```

Add `updateStatusByAccessCode()` method

Open "objects" folder. Open "user.php" file. Add the following method inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// used in email verification feature
function updateStatusByAccessCode(){

    // update query
    $query = "UPDATE " . $this->table_name . "
        SET status = :status
        WHERE access_code = :access_code";

    // prepare the query
    $stmt = $this->conn->prepare($query);

    // sanitize
    $this->status=htmlspecialchars(strip_tags($this->status));
    $this->access_code=htmlspecialchars(strip_tags($this->access_code));

    // bind the values from the form
    $stmt->bindParam(':status', $this->status);
    $stmt->bindParam(':access_code', $this->access_code);

    // execute the query
    if($stmt->execute()){
        return true;
    }

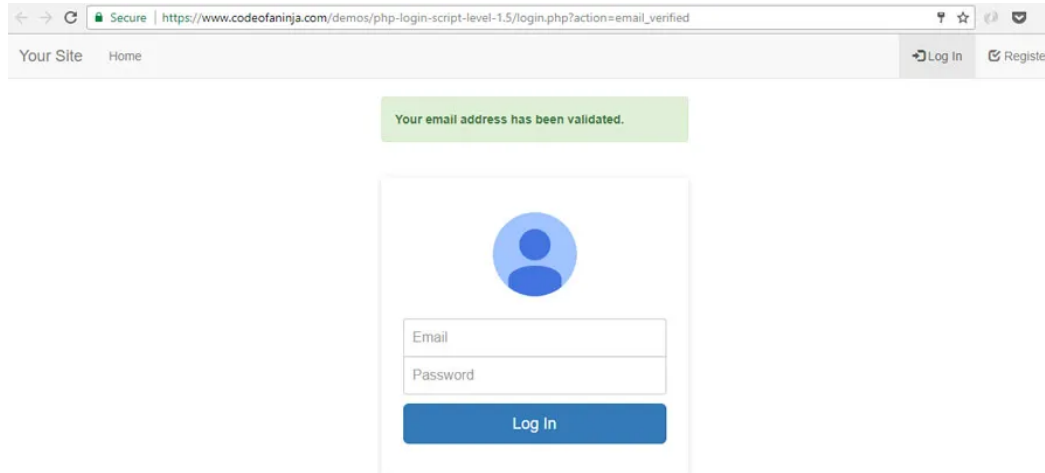
    return false;
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



The previous code will redirect the user to the following page.



The screenshot shows a web browser window with the address bar displaying a secure connection to https://www.codeofaninja.com/demos/php-login-script-level-1.5/login.php?action=email_verified. The browser's address bar also shows "Secure" and "Your Site Home". The page content features a green notification box at the top stating "Your email address has been validated." Below this is a login form with a blue circular user icon, an "Email" input field, a "Password" input field, and a blue "Log In" button. In the top right corner of the page, there are links for "Log In" and "Register".

PHP forgot password

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

Add forgot password link

Open login.php file and find the login button. Look for a line that looks like the following code.

```
echo "<input type='submit' class='btn btn-lg btn-primary btn-block' value='Log
```

Once you found it, place the following code under it.

```
echo "<div class='margin-1em-zero text-align-center'>  
    <a href='{ $home_url }forgot_password'>Forgot password?</a>  
</div>";
```

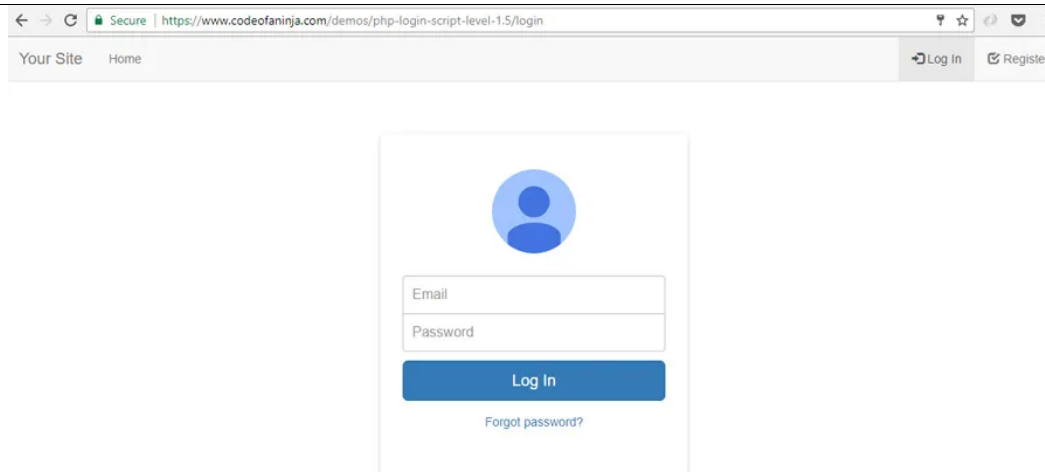
Login page new output

The login page will have the "Forgot password?" link after doing the code in the previous section.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .


OK





← → ↻ Secure | <https://www.codeofaninja.com/demos/php-login-script-level-1.5/login>

Your Site Home Log In Register



Log In

[Forgot password?](#)

Create “forgot password” page

By using this site, you agree to our [Privacy Policy](https://www.codeofaninja.com/privacy-policy) < <https://www.codeofaninja.com/privacy-policy> > and [Terms of Use](https://www.codeofaninja.com/terms-of-use) < <https://www.codeofaninja.com/terms-of-use> > .

OK

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// set page title
$page_title = "Forgot Password";

// include login checker
include_once "login_checker.php";

// include classes
include_once "config/database.php";
include_once 'objects/user.php';
include_once "libs/php/utils.php";

// get database connection
$database = new Database();
$db = $database->getConnection();

// initialize objects
$user = new User($db);
$utils = new Utils();

// include page header HTML
include_once "layout/head.php";
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

```
echo "<div class='col-md-4'>";

    echo "<div class='account-wall'>
        <div id='my-tab-content' class='tab-content'>
            <div class='tab-pane active' id='login'>
                <img class='profile-img' src='images/login-icon.png'>
                <form class='form-signin' action='\" . htmlspecialchars($_SERVER['PHP_SELF']) . "/forgot-password' method='post'>
                    <input type='email' name='email' class='form-control' placeholder='Email address'>
                    <input type='submit' class='btn btn-lg btn-primary btn-block' value='Forgot Password'>
                </form>
            </div>
        </div>
    </div>";

echo "</div>";
echo "<div class='col-md-4'></div>";

// footer HTML and JavaScript codes
include_once "layout_foot.php";
?>
```

Forgot password page output


By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

[OK](#)





Forgot Password



Your email

Send Reset Link

Add post code

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// if the login form was submitted
if($_POST){

    echo "<div class='col-sm-12'>";

    // check if username and password are in the database
    $user->email=$_POST['email'];

    if($user->emailExists()){

        // update access code for user
        $access_code=$utils->getToken();

        $user->access_code=$access_code;
        if($user->updateAccessCode()){

            // send reset link
            $body="Hi there.<br /><br />";
            $body.="Please click the following link to reset your password";
            $subject="Reset Password";
            $send_to_email=$_POST['email'];

            if($utils->sendEmailViaPhpMail($send_to_email, $subject, $body)
                echo "<div class='alert alert-info'>
                    Password reset link was sent to your email.
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
        else{ echo "<div class='alert alert-danger'>ERROR: Unable to s  
    }  
  
    // message if unable to update access code  
    else{ echo "<div class='alert alert-danger'>ERROR: Unable to updat  
    }  
  
    // message if email does not exist  
    else{ echo "<div class='alert alert-danger'>Your email cannot be found  
    echo "</div>";  
}
```

Add updateAccessCode() method

Open "objects" folder. Open "user.php" file. Add the following method inside the class.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// used in forgot password feature
function updateAccessCode(){

    // update query
    $query = "UPDATE
                " . $this->table_name . "
            SET
                access_code = :access_code
            WHERE
                email = :email";

    // prepare the query
    $stmt = $this->conn->prepare($query);

    // sanitize
    $this->access_code=htmlspecialchars(strip_tags($this->access_code));
    $this->email=htmlspecialchars(strip_tags($this->email));

    // bind the values from the form
    $stmt->bindParam(':access_code', $this->access_code);
    $stmt->bindParam(':email', $this->email);

    // execute the query
    if($stmt->execute()){
        return true;
    }
}
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Output

Here's a sample email sent after the user submitted his email address in using the "forgot password" form.

Reset Password



PHP reset password form

The "reset password" form is shown when the user clicked the link sent by the system after the "forgot password" request.

Create "reset password" page

If the user clicks the link on the email our system sent, he will land to this page where he will change

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](\"https://www.codeofaninja.com/privacy-policy\") and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](\"https://www.codeofaninja.com/terms-of-use\") .

[OK](\"#\")



By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
<?php
// core configuration
include_once "config/core.php";

// set page title
$page_title = "Reset Password";

// include login checker
include_once "login_checker.php";

// include classes
include_once "config/database.php";
include_once "objects/user.php";

// get database connection
$database = new Database();
$db = $database->getConnection();

// initialize objects
$user = new User($db);

// include page header HTML
include_once "layout_head.php";

echo "<div class='col-sm-12'>";
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



```
// include page footer HTML
include_once "layout_foot.php";
?>
```

Check access code

We need to check the access code to verify if the request came from the email generated by our system.

Replace the comment “// check access code will be here” of the previous section with the following code.

```
// get given access code
$access_code=isset($_GET['access_code']) ? $_GET['access_code'] : die("Access

// check if access code exists
$user->access_code=$access_code;

if(!$user->accessCodeExists()){
    die('Access code not found.');
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Add "reset password" form

If the access code exists, the page will render a form where the user can enter his new password.

Once the user submitted a new password, the database will be updated with this new password data.

Replace the comment "`// reset password form will be here`" of the previous section with the following code.

```
// post code will be here

echo "<form action='" . htmlspecialchars($_SERVER["PHP_SELF"]) . "'?access_code=" . $access_code . ">";
<table class='table table-hover table-responsive table-bordered'>
  <tr>
    <td>Password</td>
    <td><input type='password' name='password' class='form-control' re
  </tr>
  <tr>
    <td></td>
    <td><button type='submit' class='btn btn-primary'>Reset Password</
  </tr>
</table>
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Add post code

Replace the comment "// post code will be here" of the previous section with the following code.

```
// if form was posted
if($_POST){

    // set values to object properties
    $user->password=$_POST['password'];

    // reset password
    if($user->updatePassword()){
        echo "<div class='alert alert-info'>Password was reset. Please <a href="
    }

    else{
        echo "<div class='alert alert-danger'>Unable to reset password.</div>"
    }

}
```

Add updatePassword() method

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Open "objects/user.php" file. Add the following code inside the class.

```
// used in forgot password feature
function updatePassword(){

    // update query
    $query = "UPDATE " . $this->table_name . "
        SET password = :password
        WHERE access_code = :access_code";

    // prepare the query
    $stmt = $this->conn->prepare($query);

    // sanitize
    $this->password=htmlspecialchars(strip_tags($this->password));
    $this->access_code=htmlspecialchars(strip_tags($this->access_code));

    // bind the values from the form
    $password_hash = password_hash($this->password, PASSWORD_BCRYPT);
    $stmt->bindParam(':password', $password_hash);
    $stmt->bindParam(':access_code', $this->access_code);

    // execute the query
    if($stmt->execute()){
```

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



Output

To run `reset_password.php` file, click the link sent to your email address via "forgot password" form.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK



←

→

↻

Secure | https://www.codeofaninja.com/demos/php-login-script-level-1.5/reset_password/?access_code=7y5VY4L...

🔒

☆

🔍

📧

⋮

Your Site

Home

Log In

Register

Reset Password

Password	<input type="password"/>
	<div>Reset Password</div>

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

But we believe you will learn faster if you'll see the final source code as well. We consider it as your additional guide.

Imagine the value or skill upgrade it can bring you. The additional income you can get from your work, projects or business. The precious time you save. Isn't that what you want?

By now, you need to download our source codes. To do it, use any download buttons in the next few sections below.

Once you downloaded the source codes, here's how you can run it.

I assume you work in localhost with your XAMPP server running. If not, learn from **[our tutorial here < https://www.codeofaninja.com/2013/06/how-to-run-a-php-script.html> .](https://www.codeofaninja.com/2013/06/how-to-run-a-php-script.html)**

1. Extract the ZIP file in your htdocs directory. You should have "php-login-script-level-1" folder with the files there.
2. In your PhpMyAdmin, create a database "php_login_system"
3. Import the "php_login_system.sql" file in the "README" folder
4. If needed, configure database in /config/database.php

By using this site, you agree to our **[Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy)** and **[Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use)** .

OK



Try to login using the following credentials.

Admin Section Login

Username: mike@example.com

Password: ninja12qw!@QW

Customer Account Login

Username: darwin@example.com

Password: darwin12qw!@QW

Other notes:

1. This system works with PHP 5.5 or greater.
2. Rewrite module is usually enabled by default. If not, it must be enable in your apache server.

Download LEVEL 1 Source Code

The LEVEL 1 source code is the source code of our tutorial above.

By using this site, you agree to our [Privacy Policy < https://www.codeofaninja.com/privacy-policy>](https://www.codeofaninja.com/privacy-policy) and [Terms of Use < https://www.codeofaninja.com/terms-of-use>](https://www.codeofaninja.com/terms-of-use) .

OK

