Report for my onlineshop

1. Introduction

As an onlineshop website, it has a front-end page for users to browser goods and back-end page for adminastrators to manage goods.

The website is amied at selling electronic products, cell phone, laptop, keyboards and so on. There is not a login request to buy things, users only need to submit his or her information and pay by card.

To start the website:

1. Import the sql files "taoyizhang.sql" to the local database
2. Change the database information in "\phphomework\boot\config.php" and "phphomework\admin\boot\config.php"

$array['host'] = 'phpmyadmin.helios.csesalford.com';

$array['database'] = 'wbsd12';

$array['user'] = 'wbsd12';

$array['password'] = 'php54';

1. Change the folder name in "\phphomework\admin\index.php" and "\phphomework\index.php"

define('DIR', '/phphomework/');

1. The front-page url is "localhost/phphomework/" and the back-page url is "localhost/phphomework/admin/ and the admin username:admin password:8888
2. Database design

At first, I want to design a website including many functions, the goods can hava as many as possible features, but it failed. It cost too much time and led too many bugs. I will show my design of some basic tables here.

CREATE TABLE IF NOT EXISTS `taoyizhang\_wbsd1415\_resit\_order\_info` (

`id` int(11) NOT NULL AUTO\_INCREMENT,

`order\_sn` varchar(50) NOT NULL,

`deal\_code` varchar(50) NOT NULL,

`invoice` varchar(30) NOT NULL DEFAULT '',

`add\_time` int(11) NOT NULL,

`shipping\_id` smallint(3) NOT NULL,

`user\_id` int(11) NOT NULL COMMENT ' usersID',

`consignee` varchar(25) NOT NULL DEFAULT '' COMMENT 'Receiver ',

`email` varchar(25) NOT NULL DEFAULT '',

`country` varchar(11) NOT NULL,

`province` varchar(50) NOT NULL,

`city` varchar(11) NOT NULL,

`address` varchar(50) NOT NULL DEFAULT '',

`tel` varchar(20) NOT NULL DEFAULT '',

`zipcode` varchar(10) NOT NULL DEFAULT '',

`total\_amount` decimal(10,2) NOT NULL DEFAULT '0.00',

`pay\_money` varchar(60) NOT NULL,

`status` tinyint(1) NOT NULL DEFAULT '0' COMMENT '',

`bz` varchar(50) NOT NULL DEFAULT COMMENT 'users message or note',

`pay\_status` tinyint(1) NOT NULL DEFAULT '0' COMMENT '',

`pay\_time` int(11) NOT NULL DEFAULT '0',

PRIMARY KEY (`id`),

UNIQUE KEY `order\_sn` (`order\_sn`),

UNIQUE KEY `deal\_code` (`deal\_code`)

) ENGINE=InnoDB DEFAULT CHARSET=utf8 AUTO\_INCREMENT=47 ;

The order\_info table is shown above, it is the most import table for the design, it contains all information of the order information.

1. Model class design

To reduce time cost, I first realize some important functions that is used usually in the model base class. An example is shown below.

/\*\*

\* fetch all data

\* @params array $params , array('cols'=>array('id','name'),'mode'=>'','where'=>array('id'=>'','name'=>''),'order'=>array('id asc','pid desc'));

\* cols is the search columns，mode is the fetch method

\* mode = PDO::FETCH\_ASSOC PDO::FETCH\_BOTH ....see in pdo fetch\_style

\* In fact, PDO::FETCH\_ASSOC is number

\* @return array

\*/

public function fetchAll(array $params = NULL){

$sql = "select \* from $this->table";

$where = " where 1 ";

if(!empty($params)){

$keys\_array = array\_keys($params);

$array\_value = array('cols','mode','where','order');

// print\_r($keys\_array);

foreach($keys\_array as $key\_y){

if(!in\_array($key\_y, $array\_value)){

exit("fetchAll params are not right！");

}

}

}

if(!empty($params['cols'])){

$cols = implode(',', $params['cols']);

$sql = "select $cols from $this->table ";

}

if(!empty($params['where'])){

foreach($params['where'] as $key => $value){

$where .= " and $key = '{$value}' ";

}

}

$sql .= $where;

if(!empty($params['order'])){

$order = " order by ";

foreach($params['order'] as $val){

$order .= " $val ";

}

$sql .= $order;

}

if(!empty($params['mode'])){

$mode = $params['mode'];

}else{

$mode = PDO::FETCH\_BOTH;

}

$stm = self::getPDO()->prepare($sql);

$stm->execute();

return $stm->fetchAll($mode);

}

1. View desin

There is a “view” property in the controller, it can tell the “view” of the action. The default value is “views/controller /action.php”, however it can be changed as below.

The code “$this->view = 'goods/list';” means the controller will send information to “views/goods/list.php”. “$response” is used in view, which can visit the property in controller.

All the javascript files and css files is in the folder “layout”, there is a “index.php” in this folder, all views head can be controlled by “$head”.

The head, foot and menu is almost the same for all files, so I separate them to the folder “views/common” to save time and change them easily.

1. Controller design

The controller folder is “controllers”, similar to model, a base class is used for save the time. It contains some basic and used frequently functions. It fetch and update the information from model and show in views. It is a very important. For example in the login function,

public function login() {

$username = $this->\_request('username');

$pass = $this->\_request('password');

$params = array('cols'=>array('\*'),'where'=>array('user\_name' => $username ,'password' => md5($pass)));

$result = $this->model->table('taoyizhang\_wbsd1415\_resit\_admin\_user')->fetch($params);

// users name，password

if(!$result) {

exit(json\_encode(array('status'=>'-1','msg'=>'username or password error')));

}else { //sign in

//session

lib\_functions::setSession('eAdmin','1');

lib\_functions::setSession('eAdmin\_admin\_user',$username);

lib\_functions::setSession('eAdmin\_admin\_id',$result['id']);

//

$params = array('last\_ip'=>$\_SERVER['REMOTE\_ADDR'],'last\_login'=>time(),'active'=>1);

$this->model->table('taoyizhang\_wbsd1415\_resit\_admin\_user')->update(array('user\_name'=>$username),

$params);

exit(json\_encode(array('status'=>0,'msg'=>'sign in success')));

}

}

It get the users from the input in views and change the password to md5 and compare with the information in model, then control the result according to the compare result.

1. Session design

Session is used for keep the users login after refresh or close the window. PHP has provided the function to use session and I extand them in the file “lib/function.php” as below.

public static function setSession($name,$value){

if(!isset($\_SESSION)) {

session\_start();

}

$lifeTime = 24\*3600;

$\_SESSION[$name] = $value;

//setcookie(session\_name(),session\_id(),time()+$lifeTime);

}

public static function getSession($name){

if(!isset($\_SESSION)) {

session\_start();

}

return isset($\_SESSION[$name])?$\_SESSION[$name]:null;

}

public static function unsetSession($name){

if(!isset($\_SESSION)) {

session\_start();

}

unset($\_SESSION[$name]);

session\_destroy();

}