

## 多媒體網頁設計及互動程式設計文憑課程

### Part II: Interactive Application Development (Lesson 25)

#### Content:

1. Introduction to PHP and server-side programming / Installation and Configuration of Apache 2 and PHP 5 on Windows platform
2. Basic PHP Syntax : Data Types, Variables, Arrays, Function and Loop
3. Introduction of Database Programming and MySQL / Installation and Configuration of MySQL 5 and related utilities
4. Implementing user authentication and authorization using cookie and session (Building a membership system)
5. SQL & Database Programming in PHP I (Corporate News with Content Management System)
6. SQL & Database Programming in PHP II (Search function, Interactive Enquiry Forms, Online Questionnaire and Hit Counter)
7. Online Product Catalogue with Content Management System
8. Shopping Cart and Payment Gateway Integration
9. Interactive Voting System and Interactive Bidding System
10. Online Forum Setup and Configuration using phpBB



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## 6 SQL & DATABASE PROGRAMMING IN PHP II (SEARCH FUNCTION, INTERACTIVE ENQUIRY FORMS, ONLINE QUESTIONNAIRE AND HIT COUNTER)

### 概要

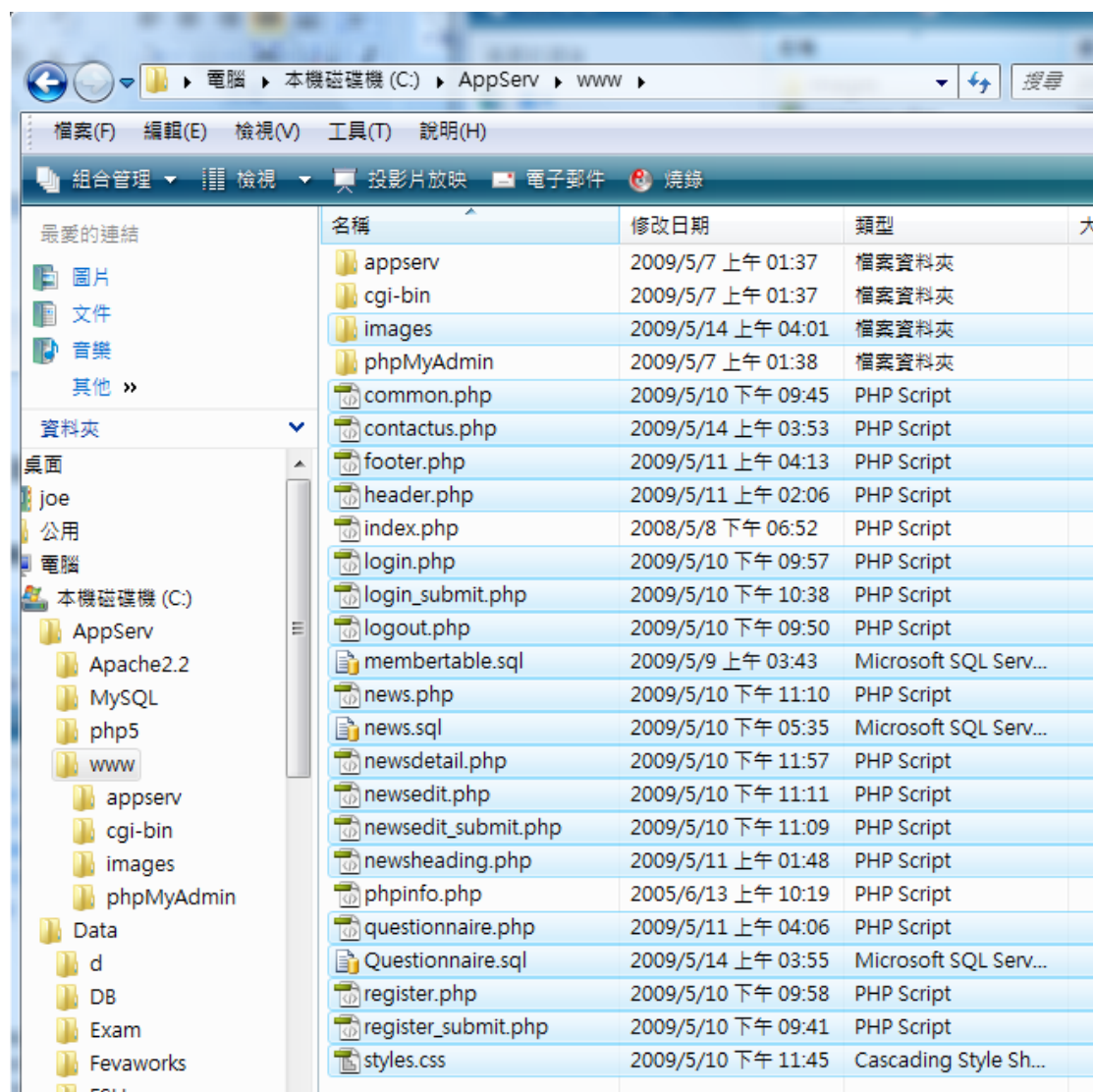
- 搜尋模組開發
- 互動查詢模組開發
- 網上問卷模組開發
- 人數紀錄模組開發
- 資源

## 6.1 搜尋模組開發

- 公司新聞訪客搜尋網頁之開發

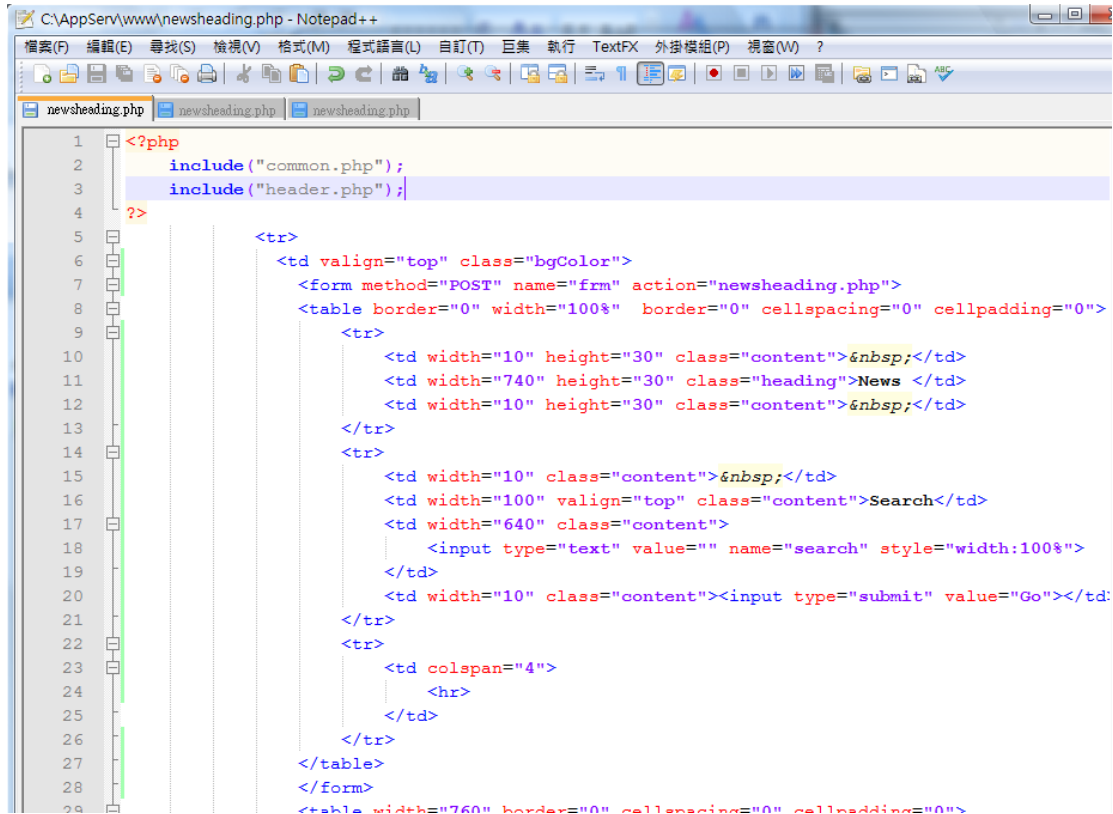
## 公司新聞訪客搜尋網頁之開發

➤ 複製 Ch06 “Start” 文件夾的檔案到 C:\AppServ\www 文件夾



## ➤ 創建公司新聞訪客搜尋網頁

1. 我們打開 newsheading.php 與 NotePad++。



```

1  <?php
2      include("common.php");
3      include("header.php");
4  ?>
5
6      <tr>
7          <td valign="top" class="bgColor">
8              <form method="POST" name="frm" action="newsheading.php">
9                  <table border="0" width="100%" border="0" cellspacing="0" cellpadding="0">
10                     <tr>
11                         <td width="10" height="30" class="content">&nbsp;</td>
12                         <td width="740" height="30" class="heading">News </td>
13                         <td width="10" height="30" class="content">&nbsp;</td>
14                     </tr>
15                     <tr>
16                         <td width="10" class="content">&nbsp;</td>
17                         <td width="100" valign="top" class="content">Search</td>
18                         <td width="640" class="content">
19                             <input type="text" value="" name="search" style="width:100%">
20                         </td>
21                         <td width="10" class="content"><input type="submit" value="Go"></td>
22                     </tr>
23                     <tr>
24                         <td colspan="4">
25                             <hr>
26                         </td>
27                     </tr>
28                 </table>
29             </form>
30         </td>
31     </tr>
32 </table>

```

2. 在 newsheading.php 的第 4 行，增加以下代碼。

```
include("header.php");

$search = ( isset( $_POST["search"] ) ? $_POST["search"] : "" );
```

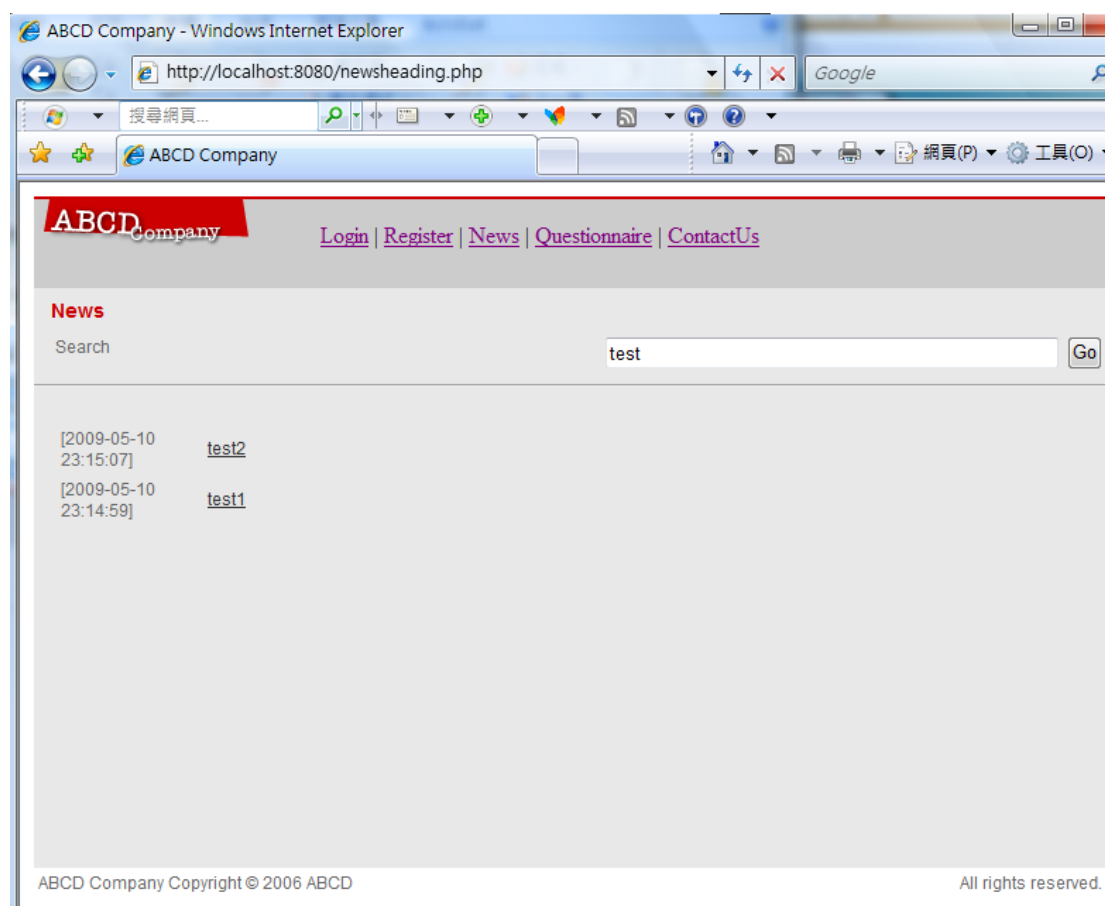
3. 在 newsheading.php 的第 20 行，修改以下代碼。

```
<input type="text" value="<?=$search?>" name="search" style="width:100%">
```

4. 在 newsheading.php 的第 36 行，增加以下代碼。

```
$sql = "SELECT * FROM news";  
if ( $search != "" )  
{  
//使用 SQL Like 方法搜尋數據  
$sql = $sql . " WHERE subject LIKE '%$search%' OR description LIKE '%$search%' ";  
}  
$result = mysql_query( $sql, $link );
```

5. 在您的瀏覽器中載入 <http://localhost:8080/newsheading.php> 測試搜尋的功能。



## 6.2 互動查詢模組開發

- 互動查詢網頁開發



## 互動查詢網頁開發

### ➤ 創建互動查詢網頁

1. 我們打開 contactus.php 與 NotePad++。

```

1  <?php
2  include("common.php");
3
4  $action = ( isset( $_GET[ "action" ] ) ? $_GET[ "action" ] : "" );
5
6  if ( $action == "send" )
7  {
8      $name = ( isset( $_POST[ "name" ] ) ? $_POST[ "name" ] : "" );
9      $mobile = ( isset( $_POST[ "mobile" ] ) ? $_POST[ "mobile" ] : "" );
10     $email = ( isset( $_POST[ "email" ] ) ? $_POST[ "email" ] : "" );
11     $description = ( isset( $_POST[ "description" ] ) ? $_POST[ "description" ] : "" );
12
13
14
15     if ( mail( $toemail, $subject, $message ) )
16     {
17         <?>
18         <script type="text/javascript">
19             alert('');
20         </script>
21     }
22     <?php
23     }
24     else
25     {
26         <?>
27         <script type="text/javascript">
28             alert('');
29         </script>

```

2. 在 contactus.php 的第 13 行，增加以下代碼。

```

$description = ( isset( $_POST[ "description" ] ) ? $_POST[ "description" ] : "" );

$toemail = "youremail";
$subject = "Enquiry by - " . $name;
$message = "Mobile = $mobile \n Email = $email \n Description = $description \n";

//使用 php mail 功能傳送電子郵件
if ( mail( $toemail, $subject, $message ) )

```

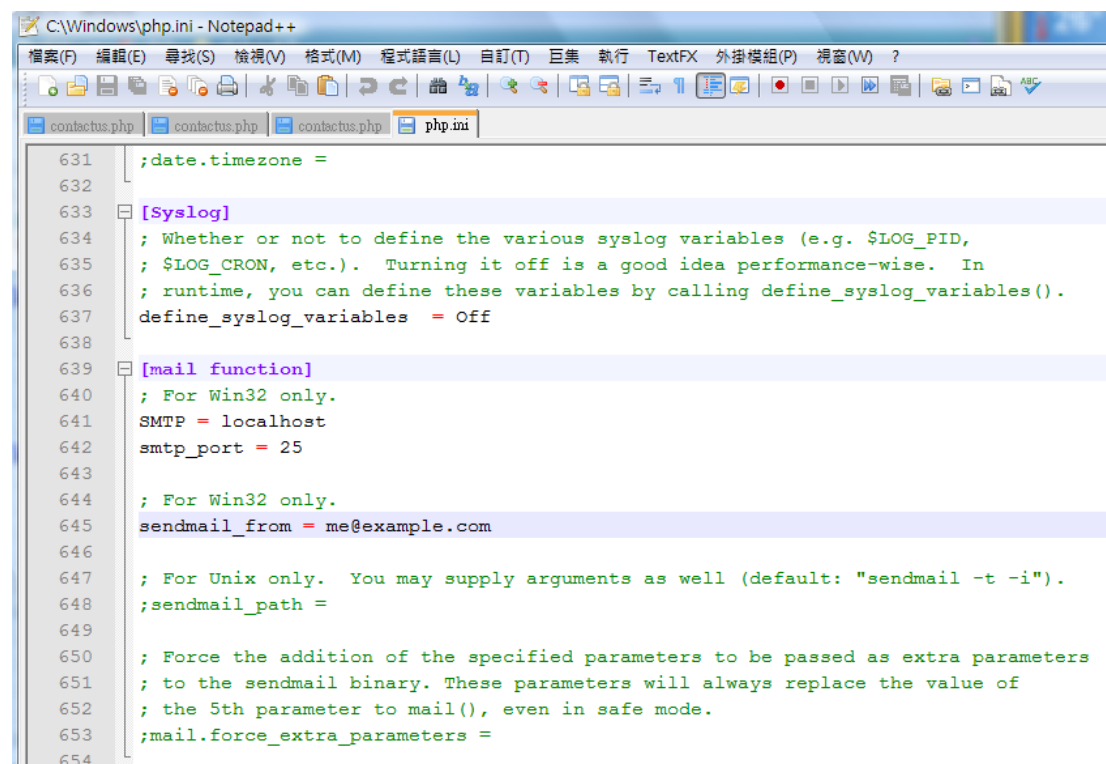
3. 在 contactus.php 的第 22 行，修改以下代碼。

```
<script type="text/javascript">
    alert('Your enquiry has been sent!');
</script>
```

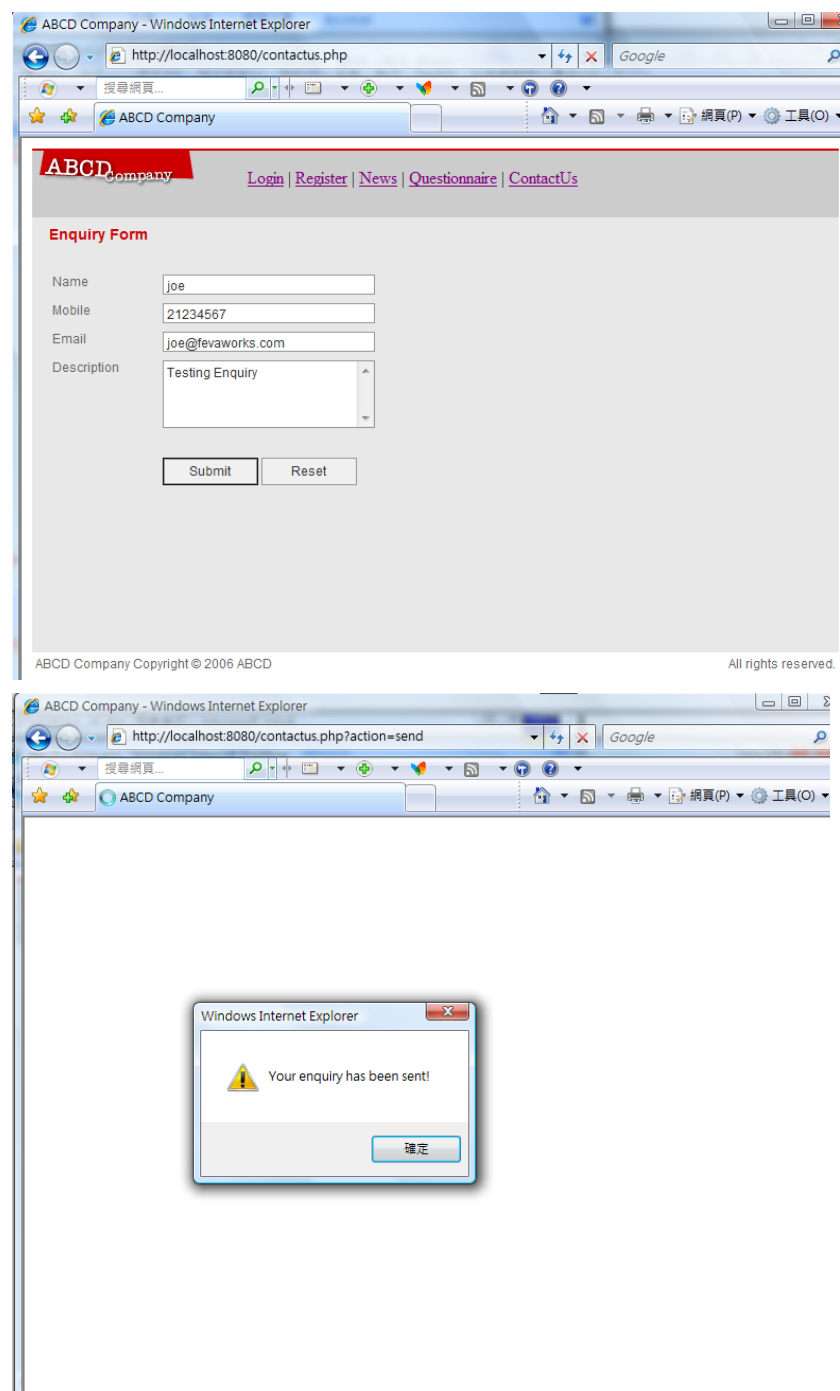
4. 在 contactus.php 的第 31 行，修改以下代碼。

```
<script type="text/javascript">
    alert('Your enquiry cannot be sent!');
</script>
```

5. 我們打開 C:\Windows\php.ini 與 NotePad++。在第 645 行，修改以下代碼。

A screenshot of the Notepad++ application window. The title bar reads 'C:\Windows\php.ini - Notepad++'. The menu bar includes '檔案(F)', '編輯(E)', '尋找(S)', '檢視(V)', '格式(M)', '程式語言(L)', '自訂(T)', '巨集', '執行', 'TextFX', '外掛模組(P)', '視窗(W)', and '?'. The toolbar contains various icons for file operations and editing. The tab bar shows three instances of 'contactus.php' and one instance of 'php.ini', which is currently selected. The code area shows the following lines: 631 ;date.timezone =, 632, 633 [Syslog], 634 ; Whether or not to define the various syslog variables (e.g. \$LOG\_PID, 635 ; \$LOG\_CRON, etc.). Turning it off is a good idea performance-wise. In 636 ; runtime, you can define these variables by calling define\_syslog\_variables(). 637 define\_syslog\_variables = Off, 638, 639 [mail function], 640 ; For Win32 only. 641 SMTP = localhost 642 smtp\_port = 25 643, 644 ; For Win32 only. 645 sendmail\_from = me@example.com, 646, 647 ; For Unix only. You may supply arguments as well (default: "sendmail -t -i"). 648 ;sendmail\_path =, 649, 650 ; Force the addition of the specified parameters to be passed as extra parameters 651 ; to the sendmail binary. These parameters will always replace the value of 652 ; the 5th parameter to mail(), even in safe mode. 653 ;mail.force\_extra\_parameters =, 654

6. 在您的瀏覽器中載入 `http://localhost:8080/contactus.php` 測試結果。



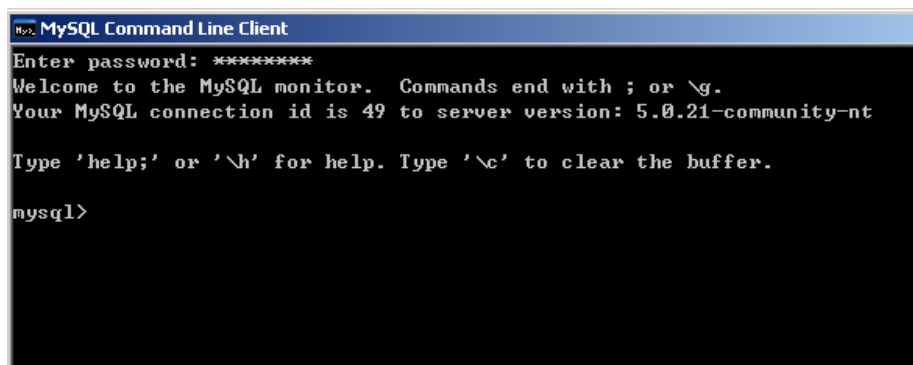
### 6.3 網上問卷模組開發

- 網上問卷資料庫
- 互動查詢網頁開發

## 網上問卷資料庫

### ➤ 創建網上問卷資料庫

1. 開啟你的 **MySQL Console**。
2. 按下 **Start | Programs | AppServ | MySQL Command Line Client**. 於 **MySQL Command Line Client**, 輸入密碼 “password” 用作登入 MySQL 資料庫。



3. 複製以下文字把它貼到 **MySQL Command Line Client** 中。它會自動執行以創建出會員資料庫。

[Questionnaire.sql]

USE test;

DROP TABLE IF EXISTS QHeader;

```
CREATE TABLE QHeader (
  id int NOT NULL auto_increment,
  email varchar(500) NOT NULL,
  workplace char(2) NOT NULL,
  sex char(1) NOT NULL,
  mobile char(20) NOT NULL,
  createdate datetime DEFAULT '0000-00-00 00:00:00' NOT NULL,
  PRIMARY KEY (id)
);
```

DROP TABLE IF EXISTS QDetail;

```
CREATE TABLE QDetail (
  id int NOT NULL auto_increment,
  headerid int NOT NULL,
  question char(2) NOT NULL,
  answer varchar(255) NOT NULL,
  createdate datetime DEFAULT '0000-00-00 00:00:00' NOT NULL,
  PRIMARY KEY (id)
);
```

## ➤ 創建網上問卷網頁

1. 我們打開 questionnaire.php 與 NotePad++。

```

1 <?php
2 include("common.php");
3 include("header.php");
4
5 $action = ( isset( $_GET[ "action" ] ) ? $_GET[ "action" ] : "" );
6
7 if ( $action == "save" )
8 {
9     $q1 = ( isset( $_POST[ "q1" ] ) ? $_POST[ "q1" ] : "" );
10    $q2 = ( isset( $_POST[ "q2" ] ) ? $_POST[ "q2" ] : "" );
11
12    $art = ( isset( $_POST[ "art" ] ) ? $_POST[ "art" ] : "" );
13    $entertainment = ( isset( $_POST[ "entertainment" ] ) ? $_POST[ "entertainment" ] : "" );
14    $sport = ( isset( $_POST[ "sport" ] ) ? $_POST[ "sport" ] : "" );
15    $education = ( isset( $_POST[ "education" ] ) ? $_POST[ "education" ] : "" );
16
17
18    $place = ( isset( $_POST[ "place" ] ) ? $_POST[ "place" ] : "" );
19    $sex = ( isset( $_POST[ "sex" ] ) ? $_POST[ "sex" ] : "" );
20    $email = ( isset( $_POST[ "email" ] ) ? $_POST[ "email" ] : "" );
21    $mobile = ( isset( $_POST[ "mobile" ] ) ? $_POST[ "mobile" ] : "" );
22
23    $link = mysql_connect( "localhost", "root", "password" );
24    mysql_select_db( "test" );
25
26    $sql = "";
27    mysql_query( $sql, $link );
28
29

```

2. 在 questionnaire.php 的第 16 行，增加以下代碼。

```

$education = ( isset( $_POST[ "education" ] ) ? $_POST[ "education" ] : "" );
$science = ( isset( $_POST[ "science" ] ) ? $_POST[ "science" ] : "" );

$place = ( isset( $_POST[ "place" ] ) ? $_POST[ "place" ] : "" );

```

3. 在 questionnaire.php 的第 26 行，修改以下代碼。

```

$sql = "INSERT INTO QHeader ( email, workplace, sex, mobile, createdate ) VALUES
( '$email', '$place', '$sex', '$mobile', NOW() ); ";
mysql_query( $sql, $link );

```

4. 在 questionnaire.php 的第 29 行，增加以下代碼。

```

mysql_query( $sql, $link );

$headerid = mysql_insert_id($link);

```

5. 在 questionnaire.php 的第 57 行，增加以下代碼。

```
break;

    case 6:
        $question = "Q3";
        $answer = $science;
        break;
```

6. 在 questionnaire.php 的第 64 行，修改以下代碼。

```
$sql = "INSERT INTO QDetail ( headerid, question, answer, createdate ) VALUES
      ( '$headerid', '$question', '$answer ', NOW() ); ";
mysql_query( $sql, $link );
```

7. 在您的瀏覽器中載入 <http://localhost:8080/questionnaire.php>。

ABCD Company - Windows Internet Explorer

http://localhost:8080/questionnaire.php

Google

搜尋網頁...

ABCD Company

[Login](#) | [Register](#) | [News](#) | [Questionnaire](#) | [ContactUs](#)

### Questionnaire

1 您認為最需要改善的項目？

- ☐ 顧客服務
- ☐ 網上購物
- ☐ 投票區

2 您認為「網上購物」一項中，最需要改善的地方為…？

- ☐ 產品種類
- ☐ 產品價格
- ☐ 交易安全
- ☐ 並無需要改善的地方

3 感興趣的資訊

- ☐ 藝術文化
- ☐ 視聽娛樂
- ☐ 運動休閒
- ☐ 教育學習
- ☐ 科學科技

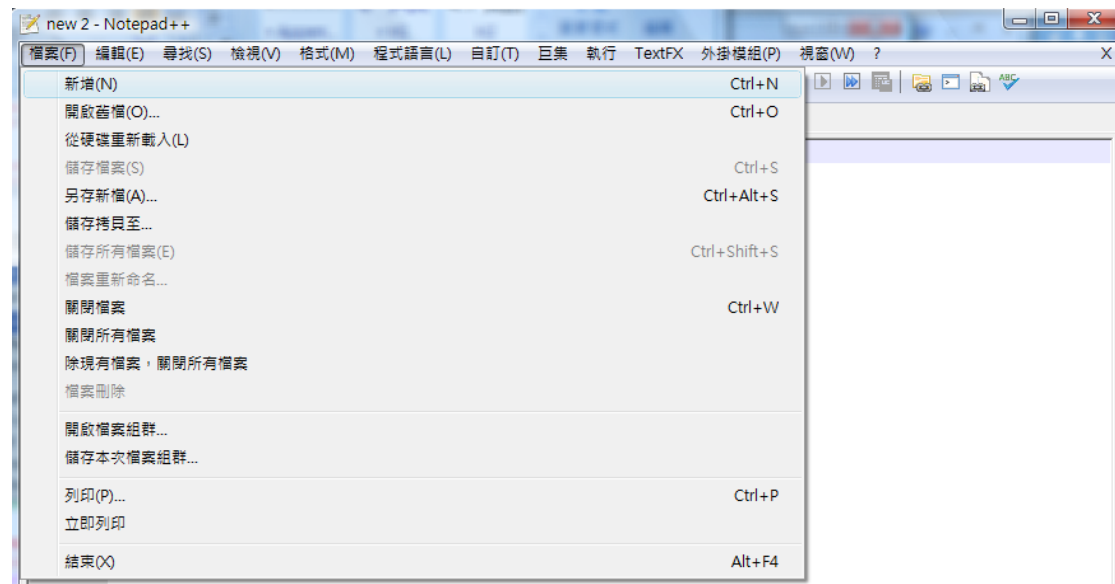
## 6.4 人數紀錄模組開發

- 人數紀錄模塊之開發



### ➤ 人數紀錄模塊之開發

1. 新增一個文件檔(counterlog.txt) 於 “C:\AppServ\www” 中用以儲存人數記錄。
2. 創造一個新正常文本文件(捷徑 Ctrl+N)



3. 增加以下代碼。

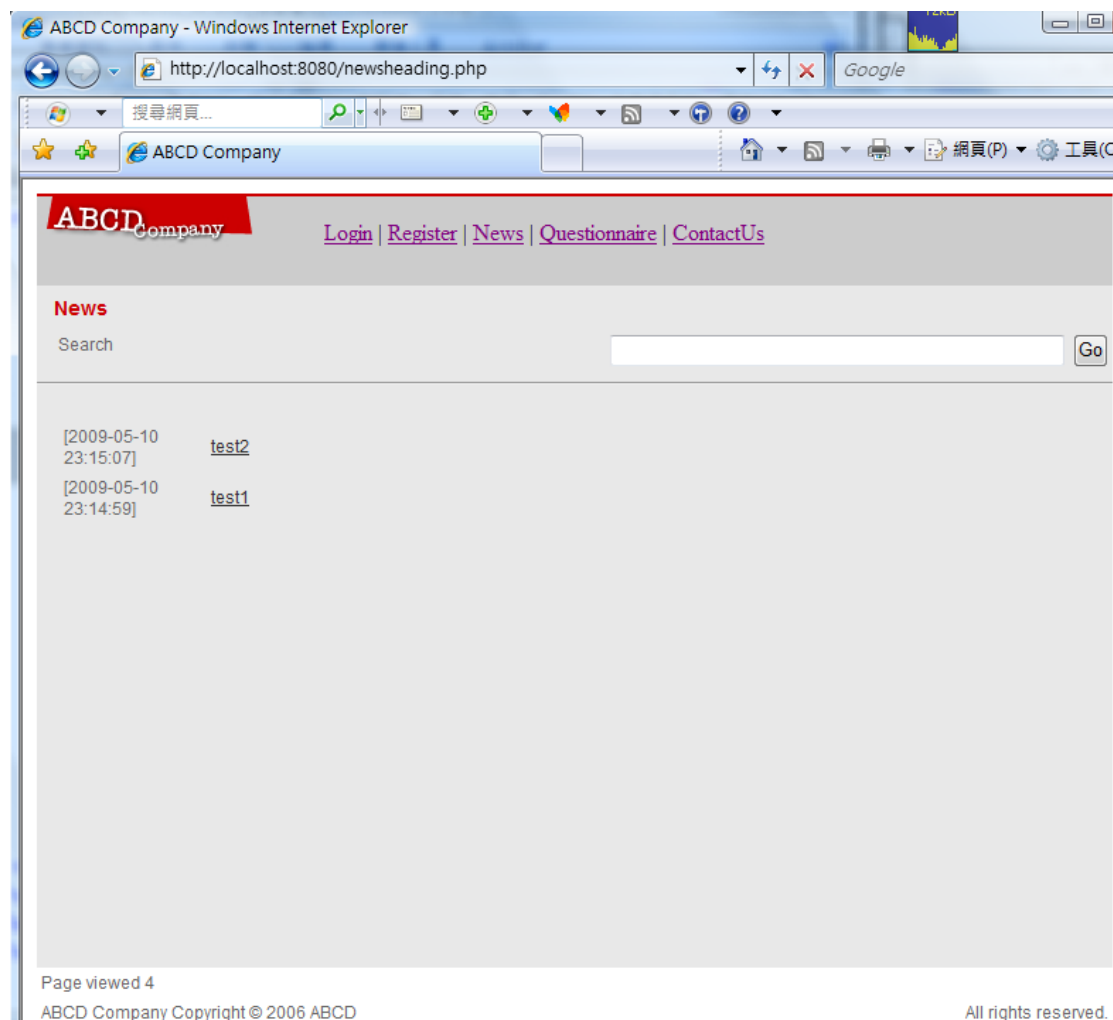
```
<?php
    $fp = fopen("counterlog.txt", "r");
    $count = fread($fp, 1024);
    fclose($fp);
    $count = $count + 1;
    echo $count;
    $fp = fopen("counterlog.txt", "w");
    fwrite($fp, $count);
    fclose($fp);
?>
```

4. 把它存檔為 hitcount.php 於 “C:\AppServ\www” 中。

5. 修改 footer.php，把 hitcount.php 加入到合適的位置。在第 9 行，修改以下代碼。

```
<tr>
<td valign="top" class="content">Page viewed <?php include("hitcount.php"); ?></td>
<td valign="top" class="content"></td>
```

6. 在您的瀏覽器中載入 <http://localhost:8080/newsheading.php>，加入了 hitcount.php 的結果。



## 6.5 資源

1. 打開瀏覽器並瀏覽至

<http://www1.fevaworks.com/course/cefwebeng/>

Username: cefwebeng

Password: joelam

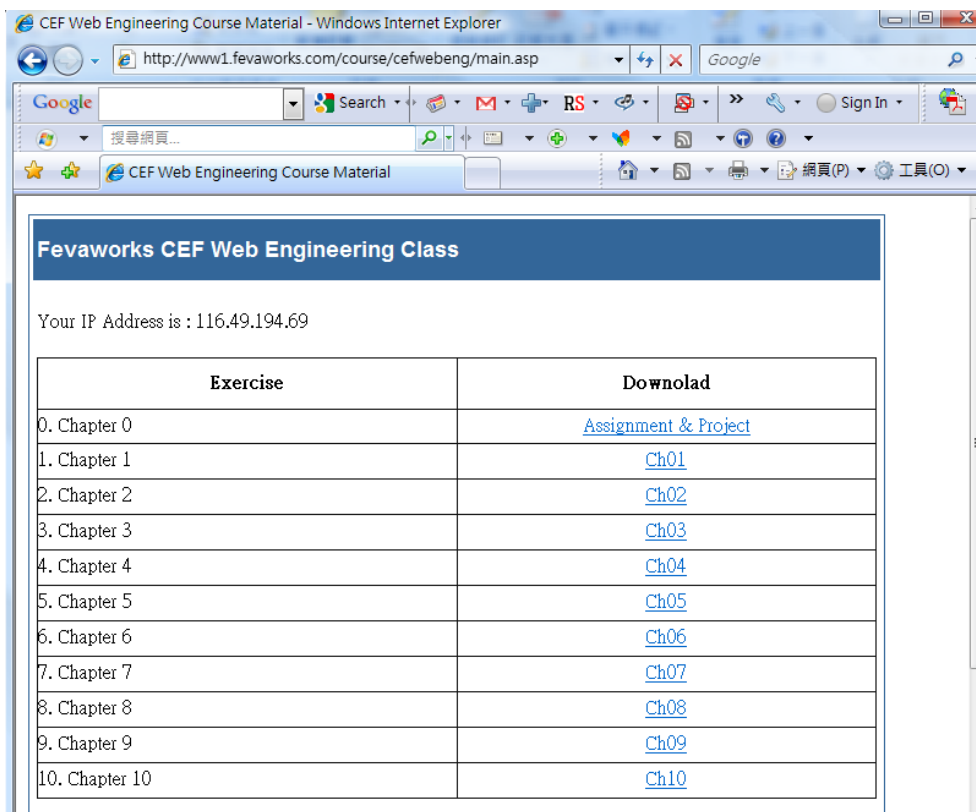
The screenshot shows a Windows Internet Explorer browser window with the address bar displaying <http://www1.fevaworks.com/course/cefwebeng/>. The page title is "CEF Web Engineering Course Material". The main content area features the FEVAWORKS logo and the title "CEF Web Engineering Course Material". Below this is a "Login" form with two input fields: "Username:" and "Password:". Below the fields are two buttons: "Login Now" and "Reset". Below the login form, there is a text line: "Please call 3106 8211 if you don't know the username & password". At the bottom of the page, there is a banner for "THOMSON PROMETRIC" with the text "now at Fevaworks".

Login	
Username:	<input type="text"/>
Password:	<input type="password"/>
<input type="button" value="Login Now"/> <input type="button" value="Reset"/>	

Please call 3106 8211 if you don't know the username & password

THOMSON PROMETRIC now at Fevaworks

## 2. 下載 Chapter 6 “Ch06”



CEF Web Engineering Course Material - Windows Internet Explorer

http://www1.fevaworks.com/course/cefwebeng/main.asp

Google

Google

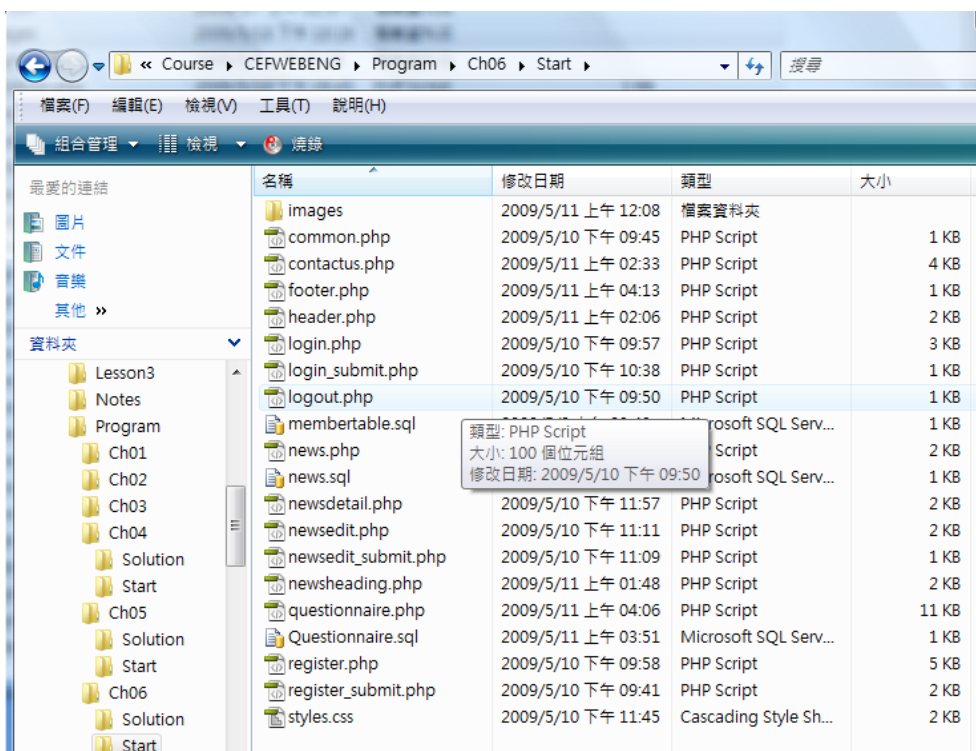
CEF Web Engineering Course Material

**Fevaworks CEF Web Engineering Class**

Your IP Address is : 116.49.194.69

Exercise	Download
0. Chapter 0	<a href="#">Assignment &amp; Project</a>
1. Chapter 1	<a href="#">Ch01</a>
2. Chapter 2	<a href="#">Ch02</a>
3. Chapter 3	<a href="#">Ch03</a>
4. Chapter 4	<a href="#">Ch04</a>
5. Chapter 5	<a href="#">Ch05</a>
6. Chapter 6	<a href="#">Ch06</a>
7. Chapter 7	<a href="#">Ch07</a>
8. Chapter 8	<a href="#">Ch08</a>
9. Chapter 9	<a href="#">Ch09</a>
10. Chapter 10	<a href="#">Ch10</a>

## 3. 解壓縮并且打開 Start 文件夾



Course > CEPWEBENG > Program > Ch06 > Start

檔案(F) 編輯(E) 檢視(V) 工具(T) 說明(H)

組合管理 檢視 燒錄

名稱	修改日期	類型	大小
images	2009/5/11 上午 12:08	檔案資料夾	
common.php	2009/5/10 下午 09:45	PHP Script	1 KB
contactus.php	2009/5/11 上午 02:33	PHP Script	4 KB
footer.php	2009/5/11 上午 04:13	PHP Script	1 KB
header.php	2009/5/11 上午 02:06	PHP Script	2 KB
login.php	2009/5/10 下午 09:57	PHP Script	3 KB
login_submit.php	2009/5/10 下午 10:38	PHP Script	1 KB
logout.php	2009/5/10 下午 09:50	PHP Script	1 KB
membertable.sql		Microsoft SQL Serv...	1 KB
news.php		Script	2 KB
news.sql		Microsoft SQL Serv...	1 KB
newsdetail.php	2009/5/10 下午 11:57	PHP Script	2 KB
newsedit.php	2009/5/10 下午 11:11	PHP Script	2 KB
newsedit_submit.php	2009/5/10 下午 11:09	PHP Script	1 KB
newsheading.php	2009/5/11 上午 01:48	PHP Script	2 KB
questionnaire.php	2009/5/11 上午 04:06	PHP Script	11 KB
Questionnaire.sql	2009/5/11 上午 03:51	Microsoft SQL Serv...	1 KB
register.php	2009/5/10 下午 09:58	PHP Script	5 KB
register_submit.php	2009/5/10 下午 09:41	PHP Script	2 KB
styles.css	2009/5/10 下午 11:45	Cascading Style Sh...	2 KB

類型: PHP Script  
大小: 100 個位元組  
修改日期: 2009/5/10 下午 09:50

#### 4. 解壓縮并且打開 Solution 文件夾

