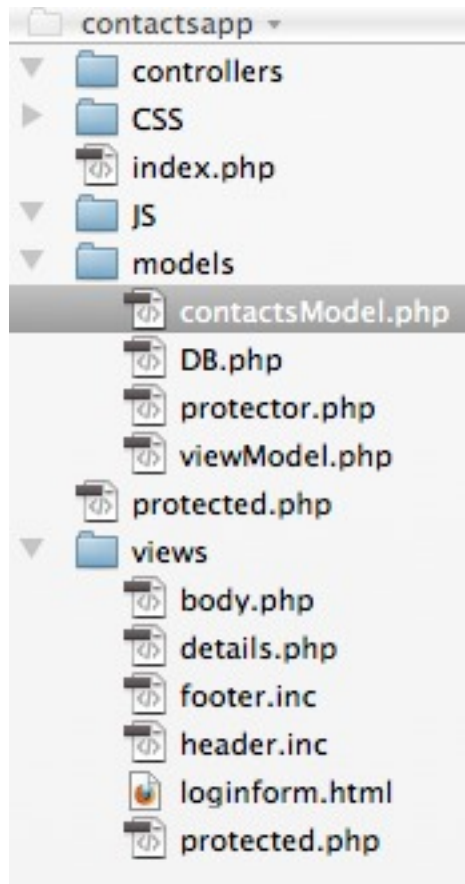


Hello Students,

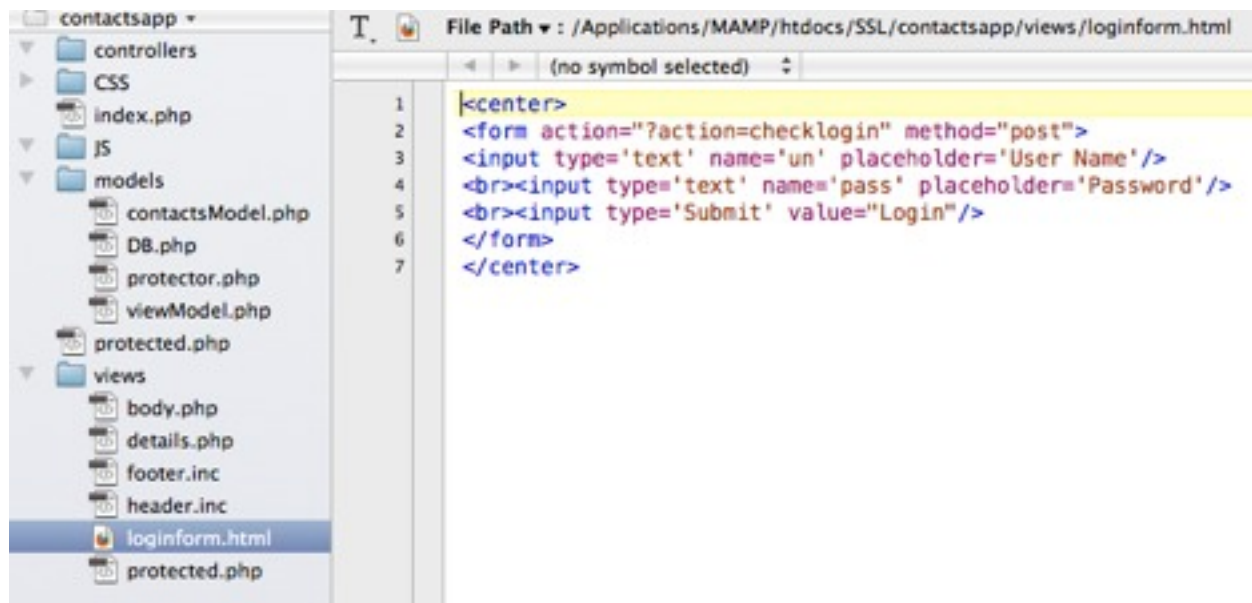
In this document you will find a sample application for User Login Assignment.

Assignments covered:

- 1 - Use Read Data and extend functionality
- 2 - Sessions and Login

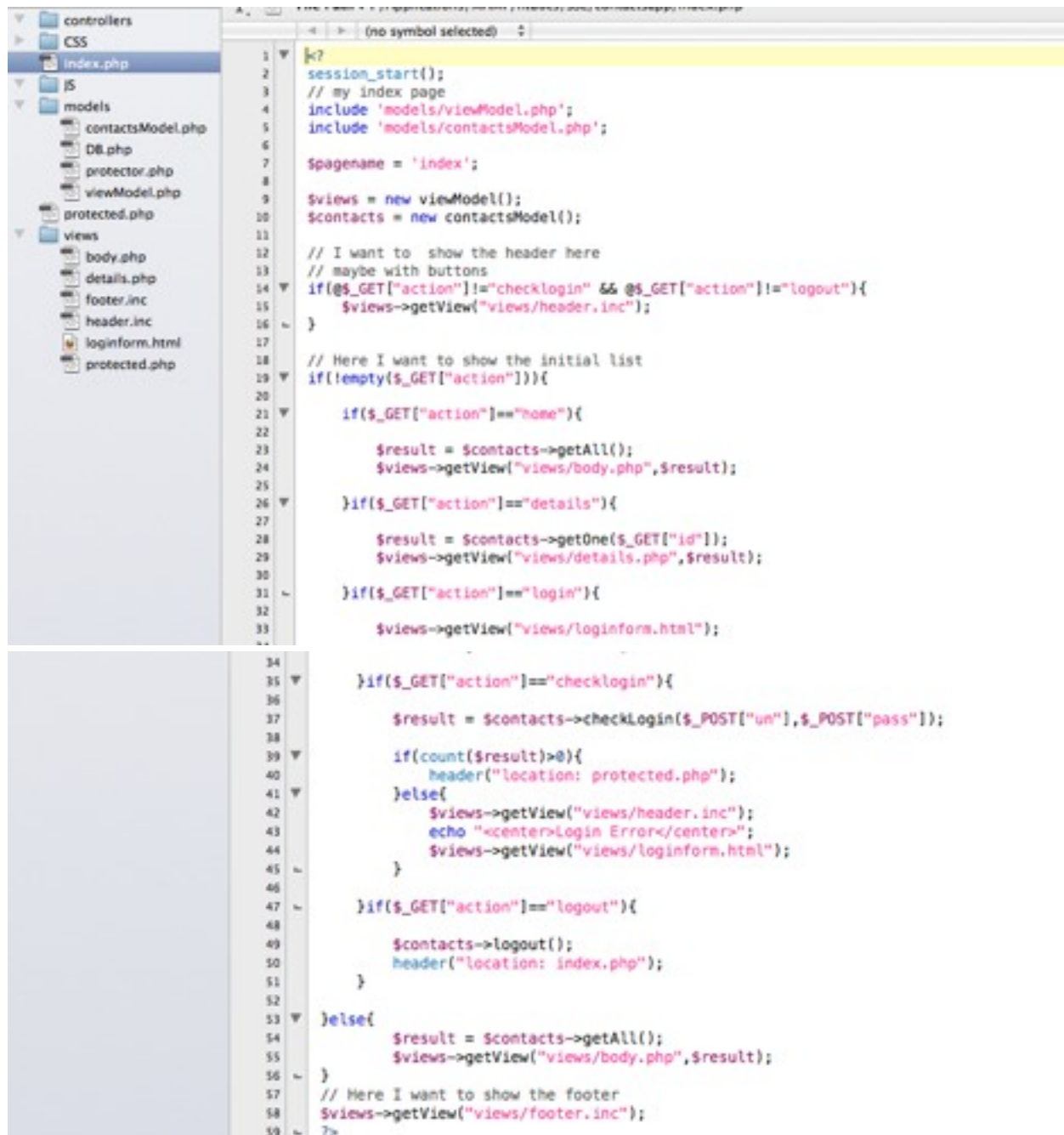


I will start with a login form.



/views/loginform.html

Next I will modify my index.php to work with the login form.

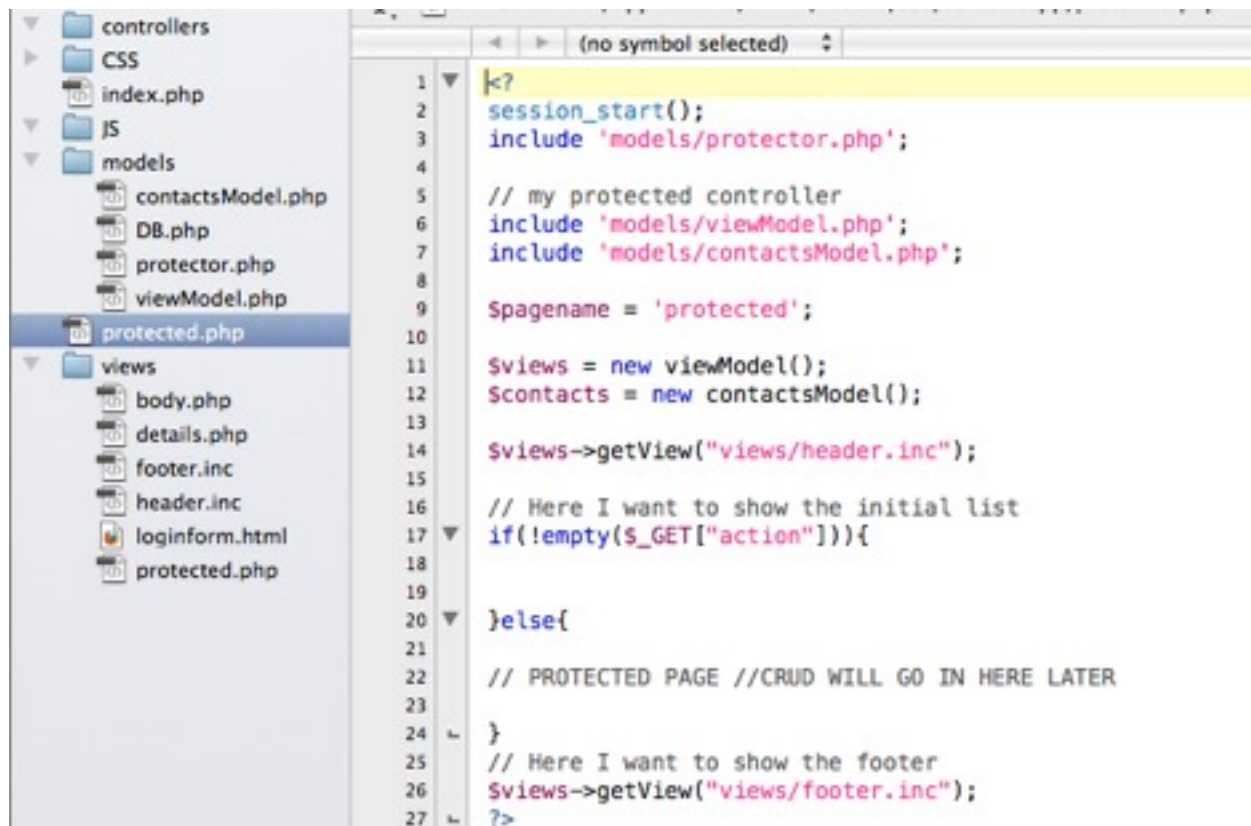


The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with folders for controllers, CSS, JS, models, and views. The models folder contains contactsModel.php, DB.php, protector.php, and viewModel.php. The views folder contains body.php, details.php, footer.inc, header.inc, loginform.html, and protected.php. The code editor shows the content of index.php, which is a PHP script that starts a session, includes the viewModel.php and contactsModel.php files, and sets the page name to 'index'. It then checks for the 'action' parameter in the GET request. If the action is 'home', it gets all contacts and displays them in the body.php view. If the action is 'details', it gets a specific contact by ID and displays it in the details.php view. If the action is 'login', it displays the loginform.html view. If the action is 'checklogin', it checks the login credentials and either redirects to protected.php or displays an error message. If the action is 'logout', it logs out the user and redirects to index.php. Finally, it displays the footer.inc view.

```
1 <?
2 session_start();
3 // my index page
4 include 'models/viewModel.php';
5 include 'models/contactsModel.php';
6
7 $pagename = 'index';
8
9 $views = new viewModel();
10 $contacts = new contactsModel();
11
12 // I want to show the header here
13 // maybe with buttons
14 if(@$_GET["action"]!="checklogin" && @$_GET["action"]!="logout"){
15     $views->getView("views/header.inc");
16 }
17
18 // Here I want to show the initial list
19 if(!empty($_GET["action"])){
20
21     if($_GET["action"]=="home"){
22
23         $result = $contacts->getAll();
24         $views->getView("views/body.php",$result);
25
26     }if($_GET["action"]=="details"){
27
28         $result = $contacts->getOne($_GET["id"]);
29         $views->getView("views/details.php",$result);
30
31     }if($_GET["action"]=="login"){
32
33         $views->getView("views/loginform.html");
34
35     }if($_GET["action"]=="checklogin"){
36
37         $result = $contacts->checkLogin($_POST["un"],$_POST["pass"]);
38
39         if(count($result)>0){
40             header("location: protected.php");
41         }else{
42             $views->getView("views/header.inc");
43             echo "<center>Login Error</center>";
44             $views->getView("views/loginform.html");
45         }
46
47     }if($_GET["action"]=="logout"){
48
49         $contacts->logout();
50         header("location: index.php");
51     }
52 }else{
53     $result = $contacts->getAll();
54     $views->getView("views/body.php",$result);
55 }
56
57 // Here I want to show the footer
58 $views->getView("views/footer.inc");
59 ?>
```

/index.php

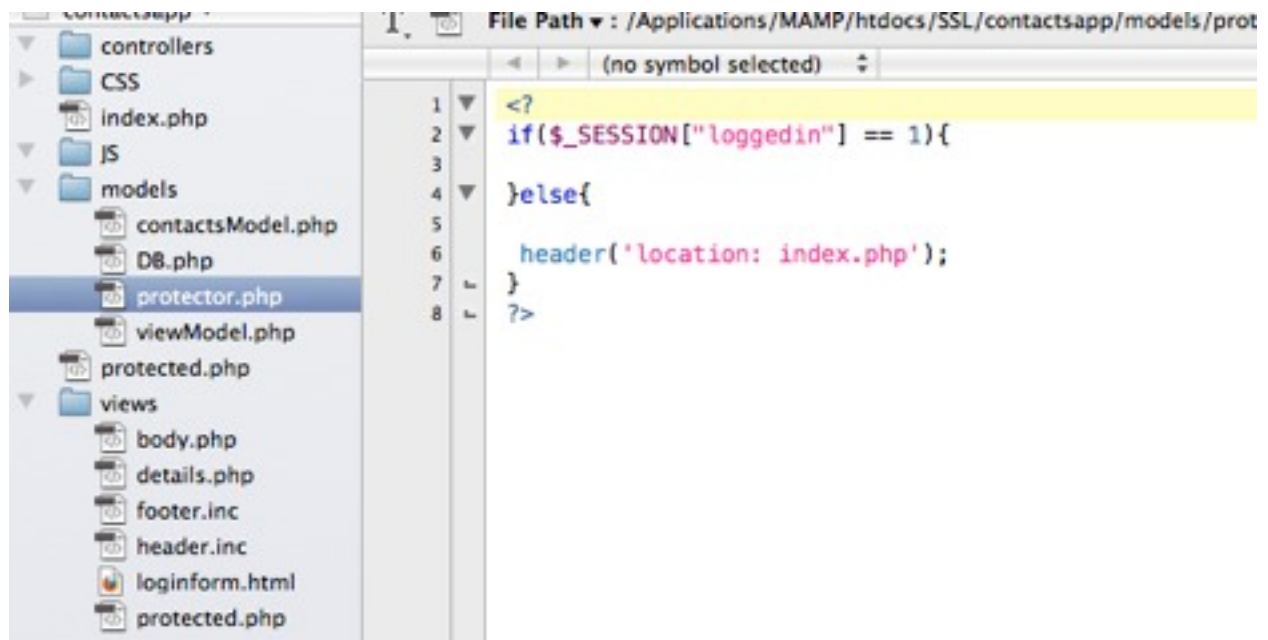
I will create another controller (protected.php) because I would like to create a protected area.



The screenshot shows a code editor with a file explorer on the left and a code window on the right. The file explorer shows a project structure with folders for controllers, CSS, JS, models, and views. The 'protected.php' file is selected in the 'views' folder. The code window displays the following PHP code:

```
1 <?
2 session_start();
3 include 'models/protector.php';
4
5 // my protected controller
6 include 'models/viewModel.php';
7 include 'models/contactsModel.php';
8
9 $pagename = 'protected';
10
11 $views = new viewModel();
12 $contacts = new contactsModel();
13
14 $views->getView("views/header.inc");
15
16 // Here I want to show the initial list
17 if(!empty($_GET["action"])){
18
19
20 }else{
21
22 // PROTECTED PAGE //CRUD WILL GO IN HERE LATER
23
24 }
25
26 // Here I want to show the footer
27 $views->getView("views/footer.inc");
28 ?>
```

I will create a protector.php include file. This file will protect all the areas that need to be protected in my application. If I need to protect any other page I will simple add this file.

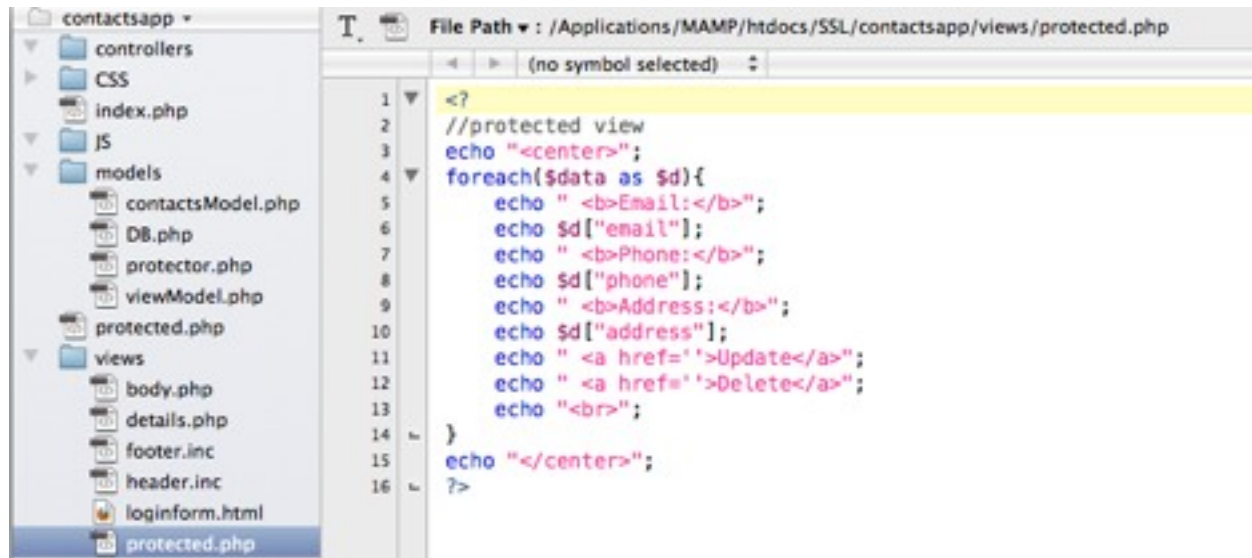


The screenshot shows a code editor with a file explorer on the left and a code window on the right. The file explorer shows the same project structure as the previous screenshot, but now 'protector.php' is selected in the 'models' folder. The code window displays the following PHP code:

```
1 <?
2 if($_SESSION["loggedin"] == 1){
3
4 }else{
5
6 header('location: index.php');
7 }
8 ?>
```

//models/protector.php

I will then create a protected view, to get ready for CRUD. This page will be protected so that only logged-in users can see it.



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows the following structure:

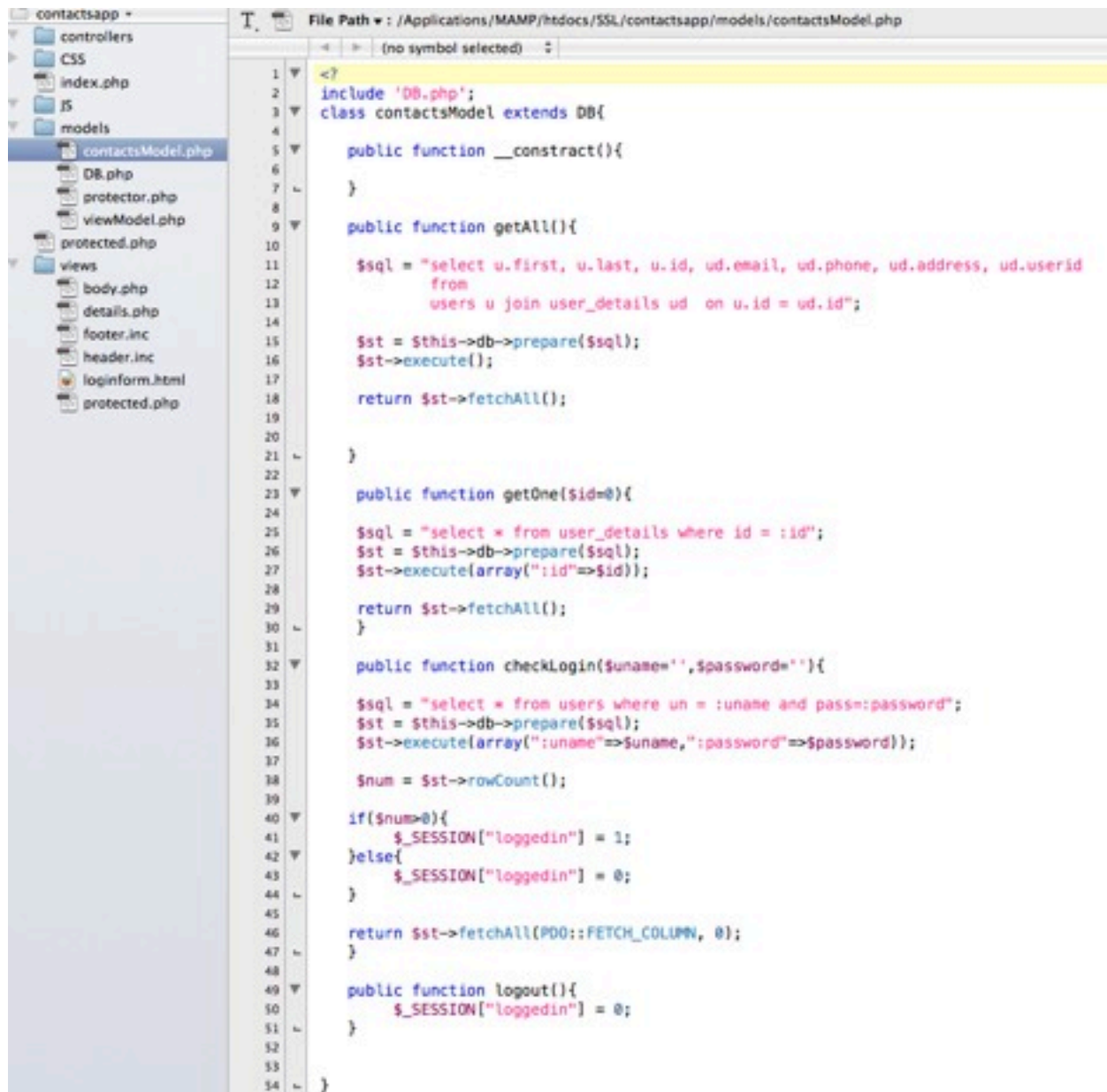
- contactsapp
 - controllers
 - CSS
 - index.php
 - JS
 - models
 - contactsModel.php
 - DB.php
 - protector.php
 - viewModel.php
 - protected.php
 - views
 - body.php
 - details.php
 - footer.inc
 - header.inc
 - loginform.html
 - protected.php

The code editor shows the file path: `/Applications/MAMP/htdocs/SSL/contactsapp/views/protected.php`. The code is as follows:

```
1 <?
2 //protected view
3 echo "<center>";
4 foreach($data as $d){
5     echo " <b>Email:</b>";
6     echo $d["email"];
7     echo " <b>Phone:</b>";
8     echo $d["phone"];
9     echo " <b>Address:</b>";
10    echo $d["address"];
11    echo " <a href=' '>Update</a>";
12    echo " <a href=' '>Delete</a>";
13    echo "<br>";
14 }
15 echo "</center>";
16 ?>
```

/views/protected.php

Now it is time to make a change to my contacts model, so that it can validate users.



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows the following structure:

- contactsapp
 - controllers
 - CSS
 - index.php
 - JS
 - models
 - contactsModel.php
 - DB.php
 - protector.php
 - viewModel.php
 - protected.php
 - views
 - body.php
 - details.php
 - footer.inc
 - header.inc
 - loginform.html
 - protected.php

The code editor shows the file path: `/Applications/MAMP/htdocs/SSL/contactsapp/models/contactsModel.php`. The code is as follows:

```
<?
include 'DB.php';
class contactsModel extends DB{

    public function __construct(){

    }

    public function getAll(){

        $sql = "select u.first, u.last, u.id, ud.email, ud.phone, ud.address, ud.userid
        from
            users u join user_details ud on u.id = ud.id";

        $st = $this->db->prepare($sql);
        $st->execute();

        return $st->fetchAll();

    }

    public function getOne($id=0){

        $sql = "select * from user_details where id = :id";
        $st = $this->db->prepare($sql);
        $st->execute(array(":id"=>$id));

        return $st->fetchAll();

    }

    public function checkLogin($uname="", $password=""){

        $sql = "select * from users where un = :uname and pass=:password";
        $st = $this->db->prepare($sql);
        $st->execute(array(":uname"=>$uname, ":password"=>$password));

        $num = $st->rowCount();

        if($num>0){
            $_SESSION["loggedin"] = 1;
        }else{
            $_SESSION["loggedin"] = 0;
        }

        return $st->fetchAll(PDO::FETCH_COLUMN, 0);

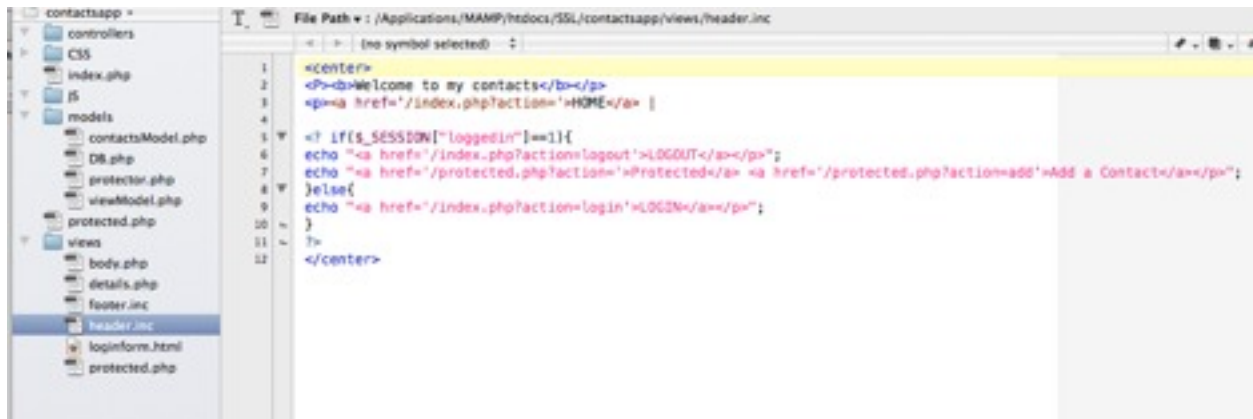
    }

    public function logout(){
        $_SESSION["loggedin"] = 0;
    }

}
```

/models/contactsModel.php

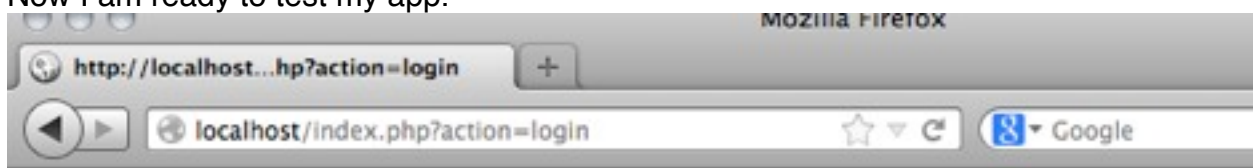
I will add 2 more links to my header so that I can navigate between pages.



The screenshot shows a code editor with a file explorer on the left. The file explorer lists the following files and folders: controllers, CSS, index.php, JS, models, contactsModel.php, DB.php, protector.php, viewModel.php, protected.php, views, body.php, details.php, footer.inc, header.inc (selected), loginform.html, and protected.php. The main editor window displays the content of header.inc, which includes a welcome message, a home link, and conditional logic for displaying a login link or a protected page link based on the session status.

```
1 <center>
2 <p><b>Welcome to my contacts</b></p>
3 <p><a href="/index.php?action=HOME">HOME</a> |
4
5 <? if(isset($_SESSION["loggedin"])){
6     echo "<a href="/index.php?action=logout">LOGOUT</a></p>";
7     echo "<a href="/protected.php?action=Protected">Protected</a> <a href="/protected.php?action=add">Add a Contact</a></p>";
8 }else{
9     echo "<a href="/index.php?action=login">LOGIN</a></p>";
10 }
11 ?>
12 </center>
```

Now I am ready to test my app.



Welcome to my contacts

[HOME](#) | [LOGIN](#)

User Name
Password
<input type="button" value="Login"/>

Copyright 2013

[HOME](#) [LOGIN](#)



Welcome to my contacts

[HOME](#) | [LOGIN](#)

Login Error

User Name
Password

Login

Copyright 2013

[HOME](#) [LOGIN](#)



Welcome to my contacts

[HOME](#) | [LOGOUT](#)

[Protected](#) [Add a Contact](#)

Copyright 2013

[HOME](#) [LOGIN](#)