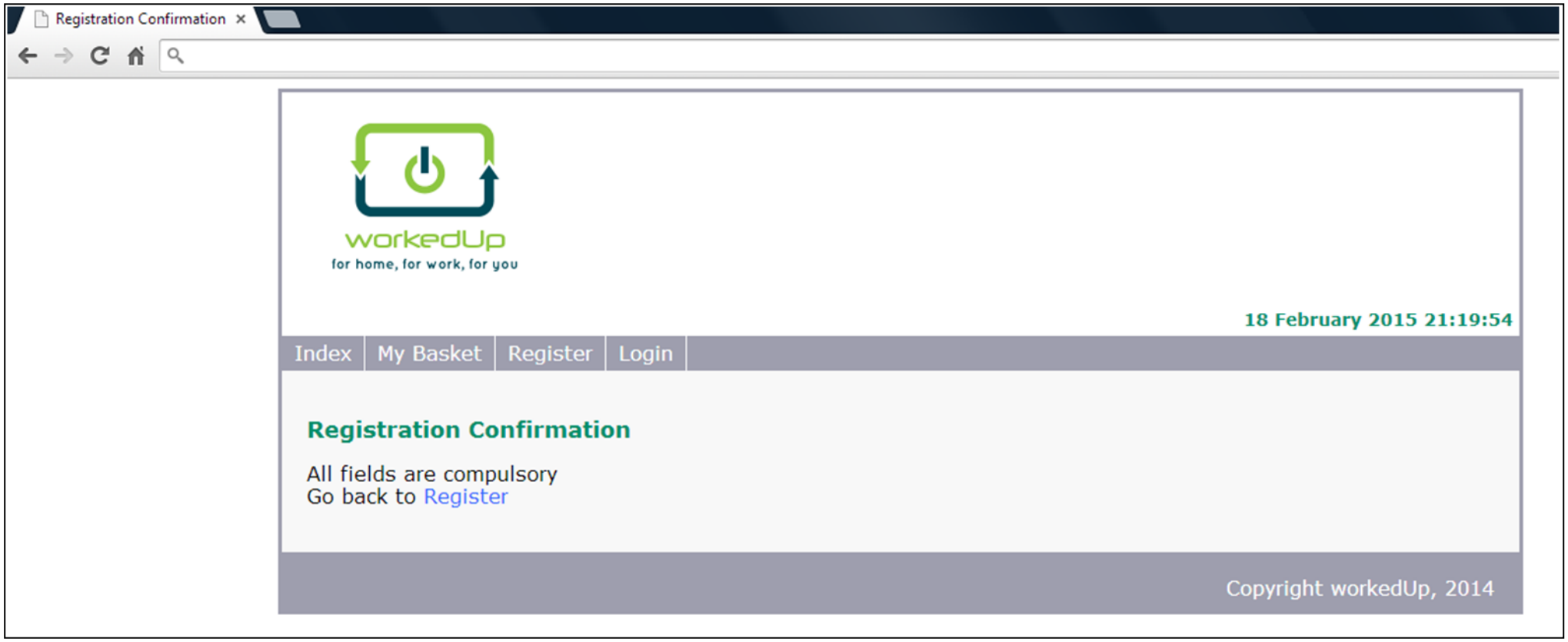
UNIVERSITY OF WESTMINSTER

5COSC006W SERVER-SIDE WEB DEVELOPMENT
2017-2018 Tutorial 6

1) You now need to implement some simple PHP form validation on the **getregister.php** page.

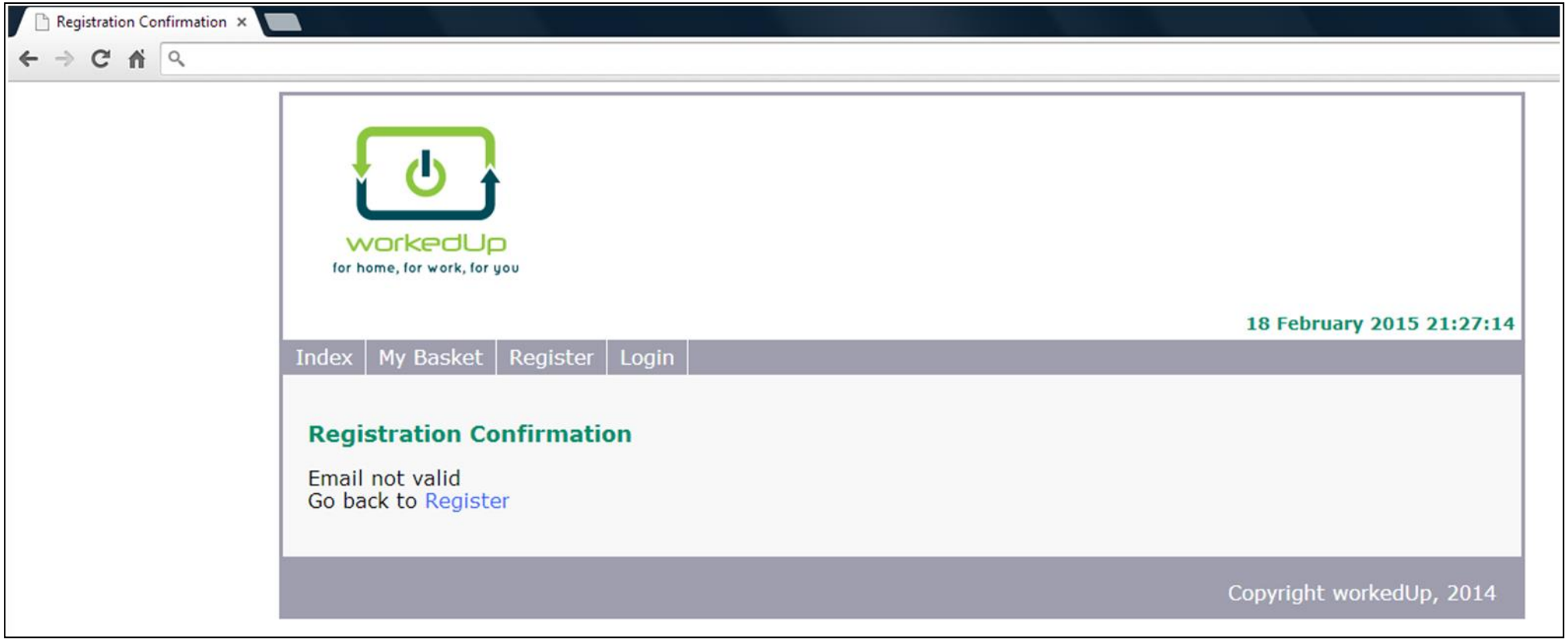
   a) You need to check that all the form fields have been filled in properly (hint: use the function empty).
   If one or more fields of the form have been left blank, you should be able to see the display below for **getregister.php**



b) You now need to check that the email is in the right format.

Use the regular expression $reg = "/^[_a-z0-9-]+(\.[_a-z0-9-]+)*@[a-z0-9-]+(\.[a-z0-9-]+)*(\.[a-z]{2,3})$/" and the **preg_match** function to match the email to the regular expression just defined.

If the user enters an email which is not in the correct format, you should be able to see the display below for **getregister.php**



2) You are now going to create a login page on **login.php**.

a) Go to your H:\workedup folder and, in the same folder, copy and paste your **template.php** file and rename the copy to **login.php.**

b) Open **login.php** in Notepad++, change the content of the **$pagename** variable to “Login”.

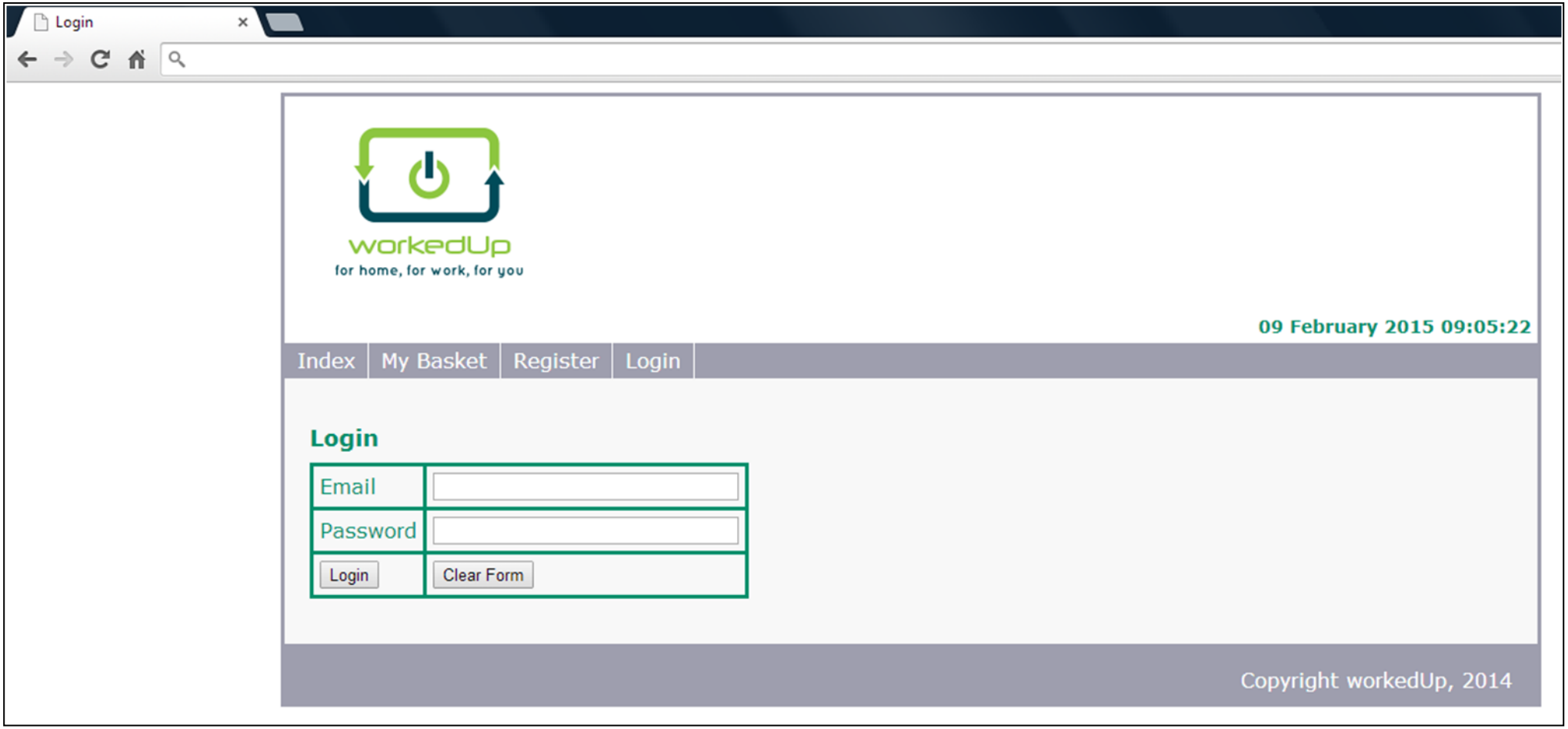
c) To initiate a session variable, right at the top, add `session_start();` Also remember to include **db.php**.

d) Under the display of the page name, write the code that follows the pseudocode below.

```
//create a HTML form to capture the user's email and password
//Create a form that directs the user to getlogin.php and posts the captured value to this page
//Create an email text box (type text)
//Create a password text box (type text)
//Create a submit button
//Create a reset button
```

e) You should be able to see the display below for **login.php**.

login.php



3) You now need to create the **getlogin.php** file to process the login details.

a) Go to your H:\workedup folder and, in the same folder, copy and paste your **template.php** file and rename the copy to **getlogin.php.**

b) Open **getlogin.php** in Notepad++, change the content of the **$pagename** variable to "Login Confirmation".

c) To initiate a session variable, right at the top, add `session_start();` Also remember to include **db.php**.

d) Underneath the display of the page name, write the code that follows the pseudocode below.

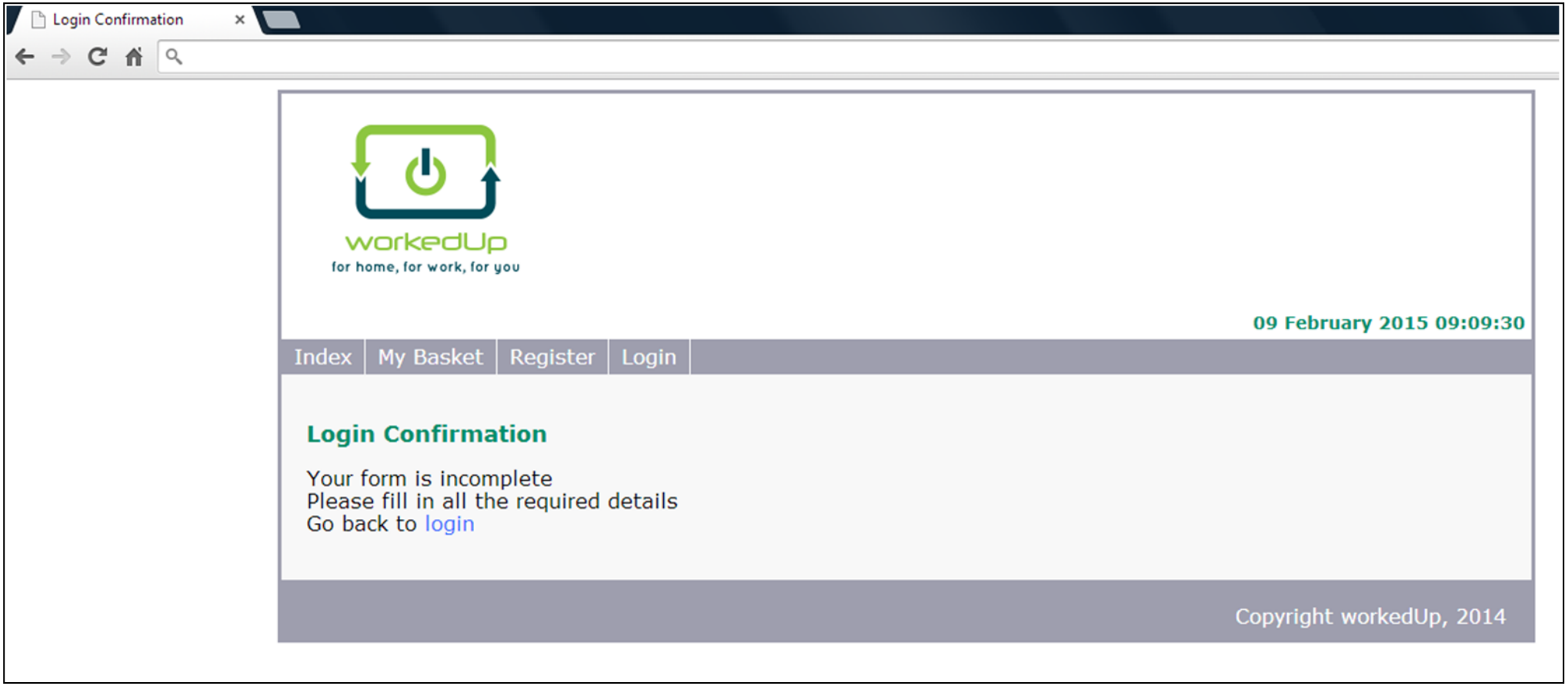
getlogin.php

```
//Capture the details entered in the form using the $_POST superglobal variable
//Store these details into a set of new variables, one for email and one for password

//if any of the variables is empty
      //Display an error message
      //Display a link back to the login page
//else

      //SQL query to retrieve the record from the users table for which the email stored in
      //database table matches the email entered in the form (if there is one).
      //Execute query and store result in array.

      //if email from array i.e. retrieved from DB doesn't match email entered in form
            //Display an error message
            //Display a link back to the login page

      // else (which means if email from array i.e. retrieved from DB matches email entered in form)
            //if password from array i.e. retrieved from DB doesn't match password entered in form
                  //Display an error message
                  //Display a link back to the login page
            //else (which means if password from array i.e. retrieved from DB matches password entered in form_
                  //Display a confirmation message and the email address
                  //Display a link back to the index to allow the user to continue shopping
                  //Display a link to the basket to allow the user to view the content of the basket
```

4) You now need to test the login process. Go to **login.php** and try the following:

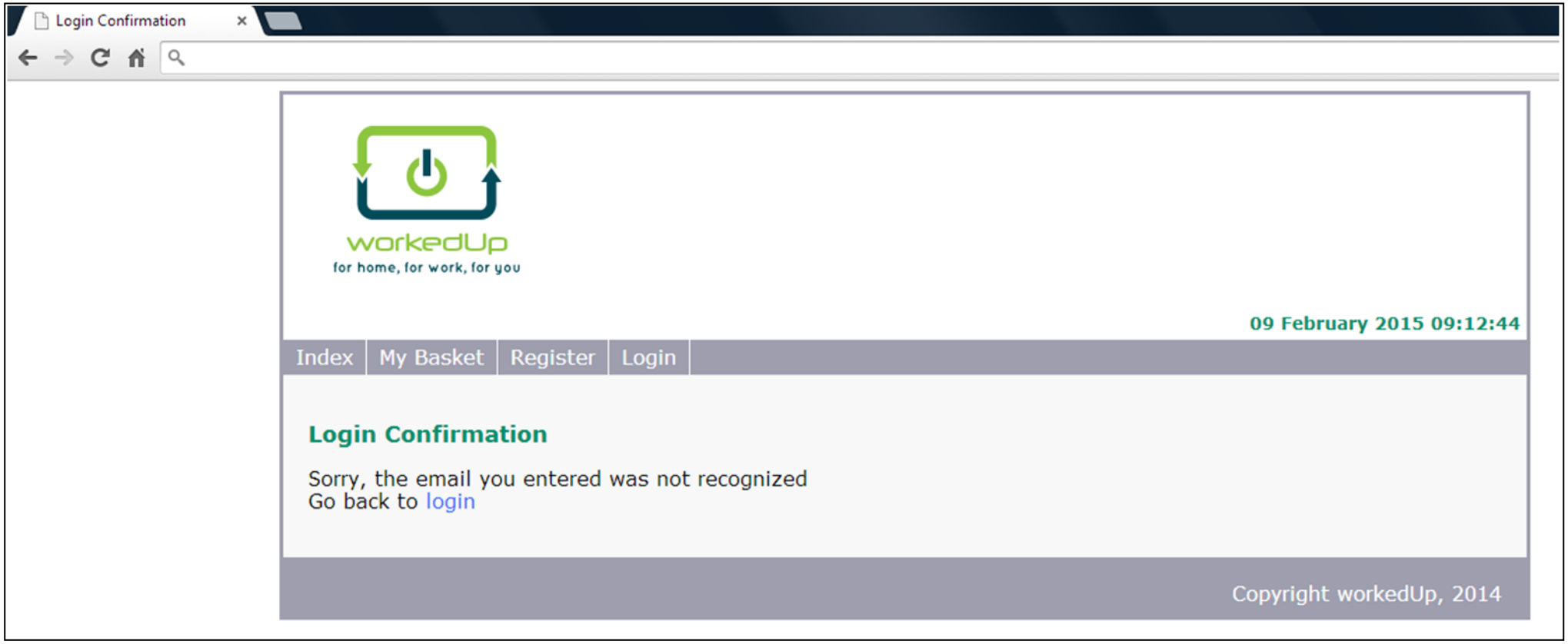
   a) Leave at least one field blank. You should be able to see this for **getlogin.php.**

getlogin.php



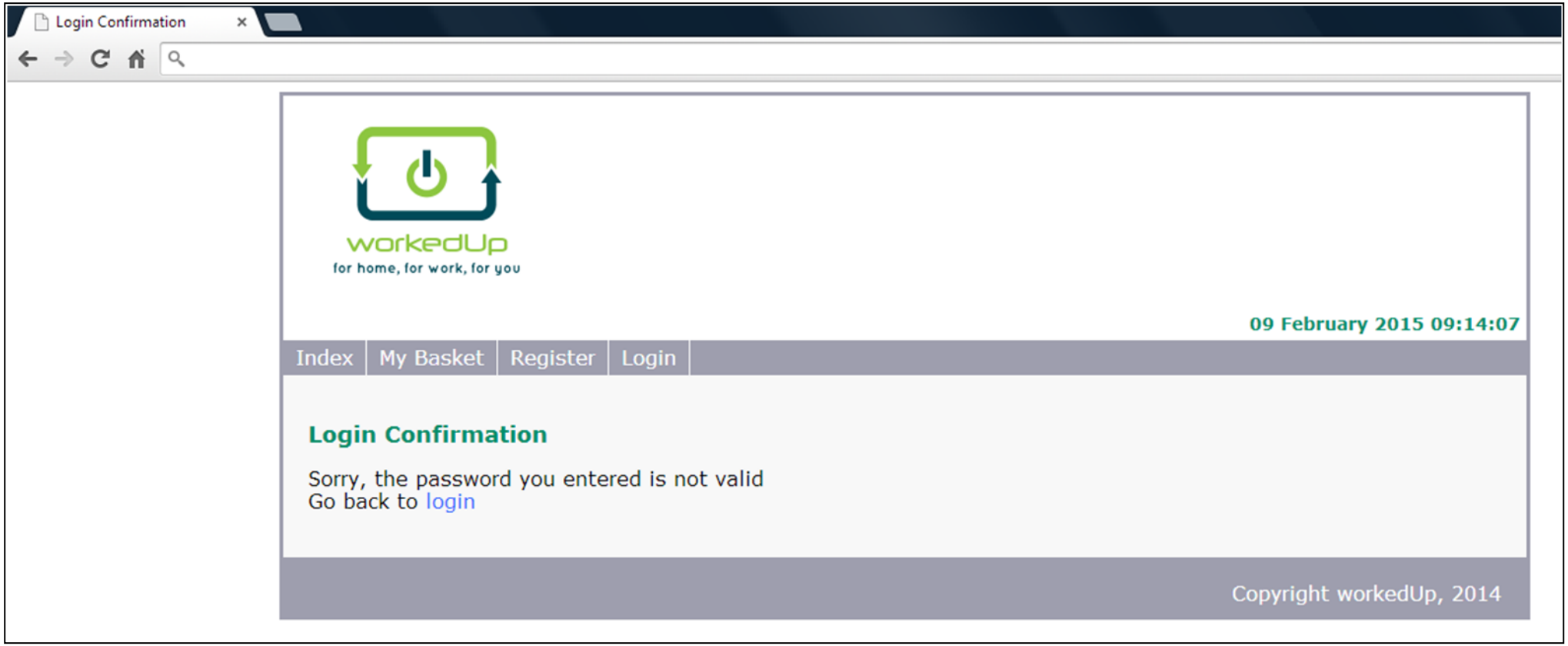
b) Enter an email that is not registered. You should be able to see this for **getlogin.php.**

getlogin.php



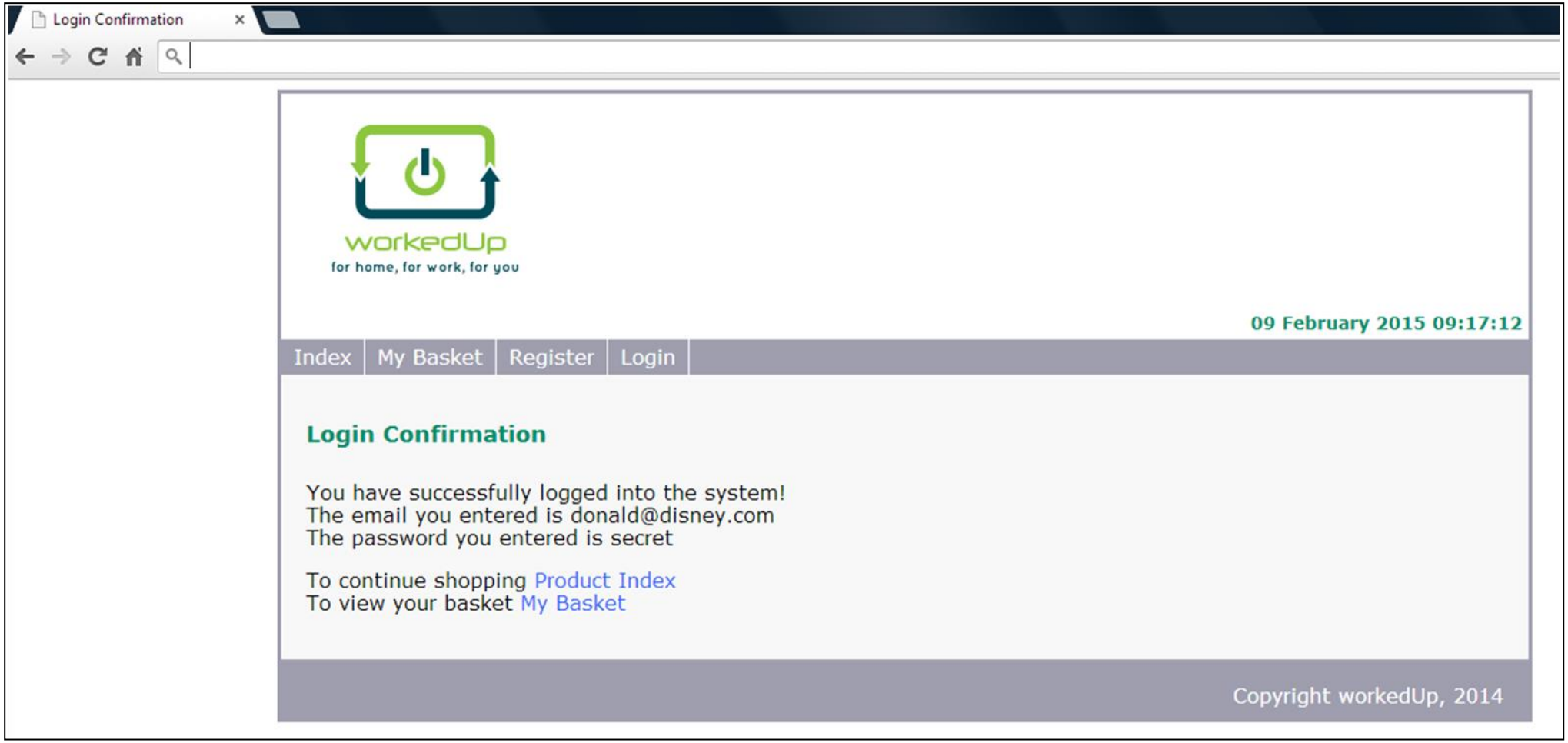
c) Enter an email that is registered but a password that doesn't match the password stored in the database table for this email. You should be able to see this for **getlogin.php.**

getlogin.php



d) Enter an email that is registered in the database and a password that matches the one stored in the database table for this email. You should be able to see this for **getlogin.php.**

getlogin.php

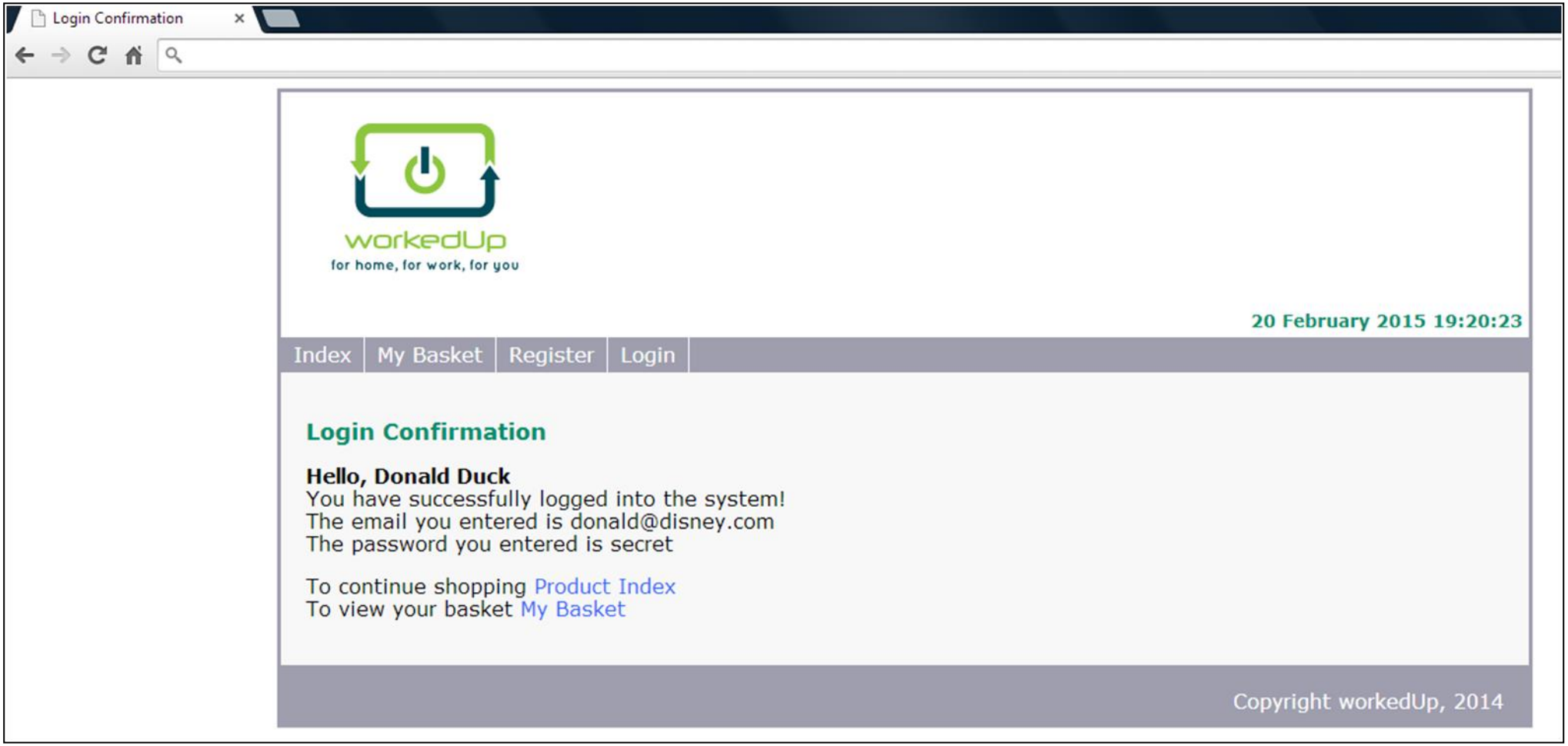


5) You now need to update **getlogin.php** to store the user id, first name and surname in a session variable for subsequent use and display them as a greeting.

a) Right before the line of code that displays that the login is successful, write the code that follows the pseudocode below.

```
//create a session variable for this customer who has just logged in
//store his/her id, first name and surname in this session variable.
//For the user id create $_SESSION['c_userid'] and inside allocate the user id from the array of records.
//Do the same for the first name and the surname.
//Display a greeting using the full name i.e. first name and surname stored in the session variable
```

b) You should be able to see this for **getlogin.php.**



6) You now need to create a **detectlogin.php** file to detect whether the user has logged in or not and if he/she has to display his/her id and full name.

a) Open a new file in Notepad++ and write the code that follows the pseudocode below.

```
//if the session variable user id is set i.e. if the user has gone successfully through getlogin.php
     //display full name i.e first name and aurname and id number aligned on the right
```

b) Save this file as **detectlogin.php** in the **H:\workedup**. When you save it, make sure you select ***Save as type: PHP Hypertext Preprocessor file.***

7) You now need to update the files previously written to detect whether the user is logged in or not and display the id and first name in case he/she is. In other words, on all the files **index.php, prodinfo.php, basket.php, clearbasket.php**, do the following:

   a) To initiate the session variable, right at the top, add `session_start();` (if it is not there already)

   b) Right after the display of the head file enter the following instruction to include the **detectlogin.php** file (i.e. replace `echo "<p></p>";`)

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

   c) Test the files. For example, after having successfully logged in, if you go back to the index page, you should be able to see this for **index.php** ***(note the display of the full name and customer number)***.

Index

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for home, for work, for you

09 February 2015 18:45:56

Index | My Basket | Register | Login

Name: Donald Duck / Customer No: 14

Index

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8) You now need to create the **logout.php** file to clear all the session variables and log out of the system.

a) Go to your H:\workedup folder and, in the same folder, copy and paste your **template.php** file and rename the copy to **logout.php.**

b) Open**logout.php** in Notepad++, change the content of the **$pagename** variable to “Log Out”.

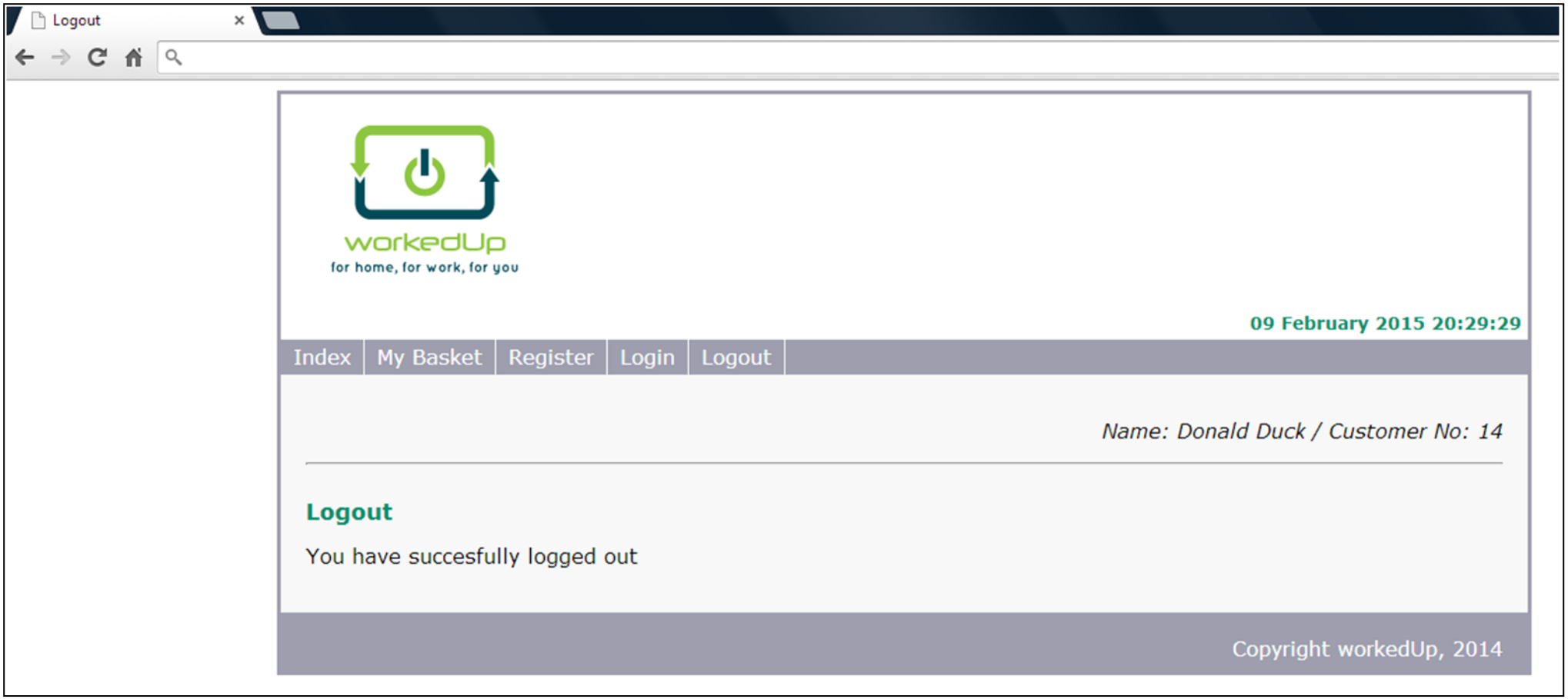
c) To initiate a session variable, right at the top, add `session_start();`

d) Under the display of the page name, write the code that follows the pseudocode below.

```
//unset basket session
//unset user id session
//unset first name session
//unset surname session
//unset all sessions
//destroy session
//Display a log out confirmation message
```

e) Create a Log Out link to logout.php in the navigation bar. When you click on it you should be able to see the following display for **logout.php**

logout.php



f) Now go back to the index or any other page. The user's full name and customer number should not appear any longer. For example, if you now go to the index page, you should be able to see the following for **index.php**, ***without the user's full name and customer number***.

Index

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09 February 2015 20:35:41

Index | My Basket | Register | Login | Logout

Index

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