

All the questions refer to the code presented in APPENDIX A

For the purpose of this assessment, the table *pro* was created in MySQL.

pro

prId	prName	prPicName	prDescrip	prPrice	prQuantity
5474	Boss Mug	bossmug.jpg	I Love My Boss Mug	05.99	423
5856	Silver Juicer	silverjuicer.jpg	Edgy stylish juicer	38.45	03
6211	Cookie Jar	cookiejar.jpg	Lovely glass cookie jar	12.99	14
6334	Cup Holder	cupholder.jpg	Holds your coffee cup	03.79	2451
6356	Fun USB Stick	funusbstick.jpg	Funny 32G USB stick	18.95	260

1) Referring to the code on line 16 and line 18.

a) Explain what `previd` is (line 16), how it gets created and what it contains.

[04 Marks]

b) Explain what `$id` is (line 16 and 18), how it gets created and what it contains.

[04 Marks]

c) Describe what happens to `previd` and `$id` if the user selects the 'Cookie Jar'. Produce a diagram to support your answer.

[04 Marks]

2) Referring to the code from line 18 to line 20.

a) Explain what `$SQL` is (line 18), how it gets created and what value it contains.

[04 Marks]

b) Explain what `$runSQL` is (line 19), how it gets created and what value it contains.

[04 Marks]

c) Explain what `mysql_fetch_array` is (line 20) and how it is used here.

[05 Marks]

3) Referring to the code from line 20 to line 27.

a) Explain what `$details` is (it appears on all lines from line 20 to line 27), how it gets created and what value it contains. Produce a diagram to support your answer.

[06 Marks]

b) Explain what `strtoupper` is (line 23) and how it is used here.

[02 Marks]

c) Explain in detail line 25.

[02 Marks]

d) On line 22, could `$id` be used instead of `$details['prId']` to display the catalogue item number? Explain.

[02 Marks]

4) Referring to the code from line 29 to line 34.

a) Explain what `method` is (line 29) and how it is used here.

[03 Marks]

b) Explain what `action` is (line 29) and how it is used here.

[02 Marks]

c) Referring to line 33, explain why `hidden` needs to be used here and why `value` is set to `$id`.

Produce a diagram to support your answer.

[08 Marks]

5) Referring to the code on line 58 and line 59.

a) Explain what `newid` is (line 58), how it gets created and what it contains.

[04 Marks]

b) Explain what `$theid` is (line 58 and then line 61), how it gets created and what it contains.

[04 Marks]

c) Explain what `newqu` is (line 59), how it gets created and what it contains.

[04 Marks]

- 6) Referring to the code from line 61 to line 92.
- a) Explain in what situation the condition on line 61 can be verified and thus trigger the code on line 63.
Produce a diagram to support your answer.[04 Marks]
 - b) Explain in what situations the condition on line 67 can be verified and thus trigger the code on line 69, 70 and 71.[04 Marks]
 - c) Explain what happens if the `else` on line 73 is verified and thus if the code directly following it is triggered.[05 Marks]

7) Referring to the code from line 80 to line 90.

a) Why does a SQL query needs to be written on line 75?

[03 Marks]

b) Explain what `$info` is (line 78), how it gets created and what it contains.

[04 Marks]

c) Compare and contrast `$thequ` and `$ourqu`. Explain what they are, how they get created and what they contain.

[05 Marks]

8) Referring to the code on line 42 and line 89.

a) Explain what a session variable is and how it can be used in an e-business web site.

[03 Marks]

b) Explain what `$_SESSION['storage']` is, how it gets created and what is it used for.

[04 Marks]

c) Explain how `$theid` and `$thequ` are used to populate the `$_SESSION['storage']` structure.

Produce a diagram to support your answer using examples taken from the *pro* table on page 1.

[06 Marks]

Appendix A

nicepage.php

```
01 <?php
02 include("db.php");
03 $pagename="Nice Page";
04
05 echo "<html>";
06 echo "<head>";
07 echo "<title>".$pagename."</title>";
08 echo "<link rel=stylesheet type=text/css href=simplestyle.css>";
09 echo "</head>";
10
11 echo "<body>";
12 echo "<center>";
13 echo "<h1>Buy Stuff</h1>";
14 echo "<hr>";
15
16 $id=$_GET['previd'];
17
18 $SQL = "select * from pro where prId=".$id;
19 $runSQL = mysql_query($SQL) or die(mysql_error());
20 $details = mysql_fetch_array($runSQL);
21
22 echo "<p>Catalogue Item Number: ".$details['prId'];
23 echo "<p>". strtoupper($details['prName']);
24 echo "<p>".$details['prDescrip'];
25 echo "<p><img src=images/".$details['prPicName'].">";
26 echo "<p>£".$details['prPrice'];
27 echo "<p>".$details['prQuantity']." items for you to get!" ;
28
29 echo "<form method=post action=greatpage.php>" ;
30 echo "<p>Enter how many: ";
31 echo "<input type=text name=newqu size=5 maxlength=3>";
32 echo "<input type=submit value='Get them'>";
33 echo "<input type=hidden name=newid value=".$id.">";
34 echo "</form>" ;
35
36 echo "</center>";
37 echo "</body>";
38 echo "</html>";
39 ?>
40
```

greatpage.php

```
41 <?php
42 session_start();
43 include("db.php");
44
45 $pagename="Great Page";
46
47 echo "<html>";
48 echo "<head>";
49 echo "<title>".$pagename."</title>";
50 echo "<link rel=stylesheet type=text/css href=simplestyle.css>";
51 echo "</head>";
52
53 echo "<body>";
54 echo "<center>";
55 echo "<h1>Buy Stuff</h1>";
56 echo "<hr>";
57
58 $theid=$_POST['newid'];
59 $thequ=$_POST['newqu'];
60
61 if (!$theid)
62 {
63     echo "<p>Nothing new is added, show the stuff from before";
64 }
65 else
66 {
67     if (!$thequ or $thequ==0)
68     {
69         echo "<p>Error!";
70         echo "<p><a href=nicepage.php>Enter correct value!</a>";
71         exit;
72     }
73     else
74     {
75         $theSQL="select prQuantity from pro where prId=".$theid;
76         $runtheSQL=mysql_query($theSQL) or die (mysql_error());
77         $info=mysql_fetch_array($runtheSQL);
78         $sourqu=$info['prQuantity'];
79
80         if ($thequ > $sourqu)
81         {
82             echo "<p>Not good!";
83             echo "<p><a href=nicepage.php> Do it again!</a>";
84             exit;
85         }
86         else
87         {
88             echo "<p>Great, item added!";
89             $_SESSION['storage'][$theid]=$thequ;
90         }
91     }
92 }
93 echo "</center>";
94 echo "</body>";
95 echo "</html>";
96 ?>
```