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**UTHM**  
Universiti Tun Hussein Onn Malaysia

**UNIVERSITI TUN HUSSEIN ONN MALAYSIA**

**FINAL EXAMINATION  
SEMESTER II  
SESSION 2017/2018**

COURSE NAME : WEB DEVELOPMENT  
COURSE CODE : BIC 21203  
PROGRAMME CODE : BIS / BIP / BIW / BIM  
EXAMINATION DATE : JUNE / JULY 2018  
DURATION : 3 HOURS  
INSTRUCTION : (A) ANSWER ALL QUESTIONS  
(B) PLEASE WRITE YOUR ANSWERS IN THIS QUESTION BOOKLET

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THIS QUESTION PAPER CONSISTS OF **FOURTEEN (14)** PAGES

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**Q1 (a)** Define Cascading Style Sheets CSS and identify their types.

(5 marks)

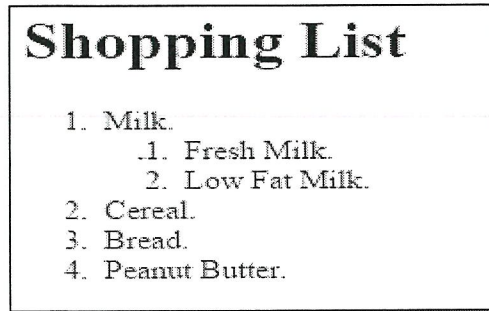
**Answer:**



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(b) Write a source code using HTML markup language to display the output as shown as in **Figure Q1(b)**.

(7 marks)



**Figure Q1(b)**

**Answer:**

(c) Write an external CSS rules to enhance **Figure Q1 (b)** into **Figure Q1 (c)**.  
(14 marks)

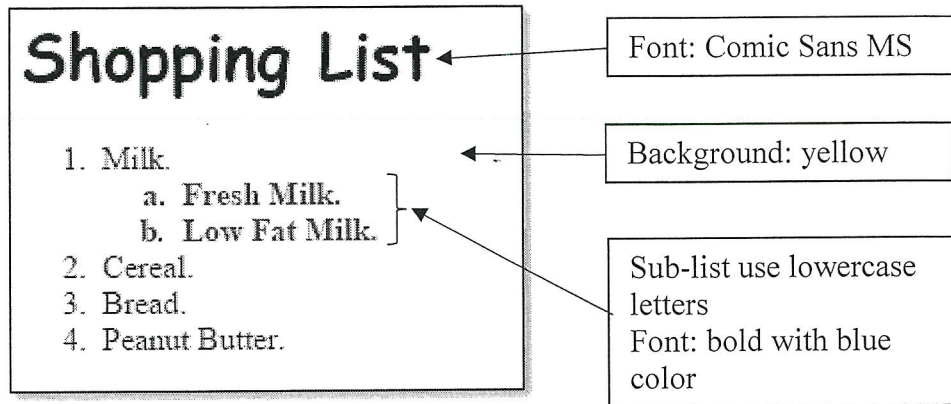


Figure Q1(c)

Answer:

Empty box for the answer, containing a red stamp that reads "TERBUKA".

- Q2** (a) State the differences between client-side scripting and server-side scripting in terms of platform, execution, source code, security and the need for server.

(5 marks)

**Answer:**

- (b) Explain the purpose of implementing client-side scripting.

(6 marks)

**Answer:**

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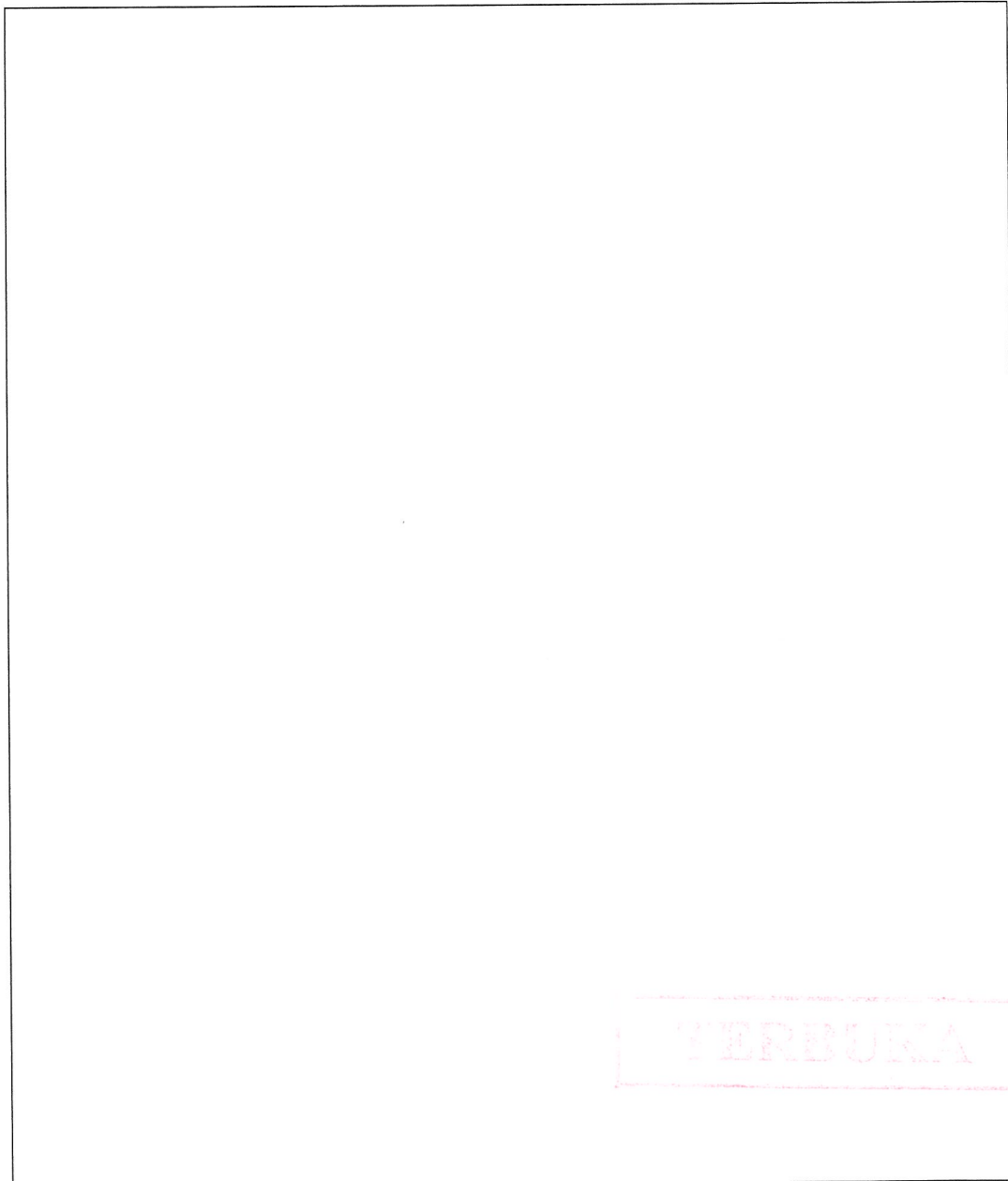
- Q3** (a) Write PHP script to output text as shown in **Figure Q3(a)** with the echo command which contains HTML mark up.

```
PHP is Fun  
Hello friend.  
I'm about to master PHP!
```

**Figure Q3(a)**

(7 marks)

**Answer:**



- (b) Identify the results of the following program in **Figure Q3(b)**. (6 marks)

```
<html>
<body>

<?php

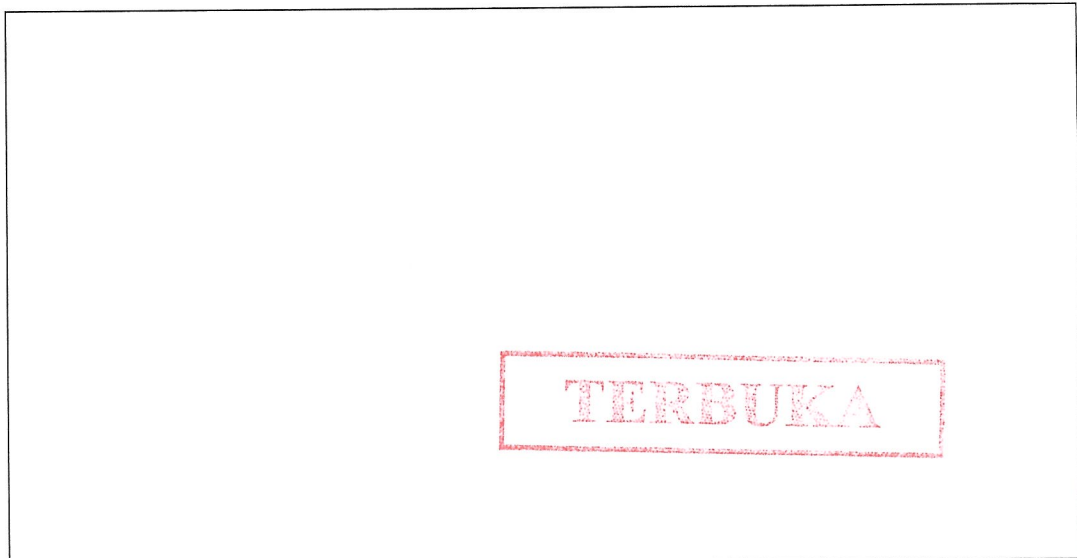
$num1=24; $num2 =5;

echo "Greeting with Function <br>";

function fun1($t){
if ($t < "10") {
    echo"<br> Have a good morning!";}
    elseif ($t < "20")
    {
        echo"<br> Have a good day!";}
        elseif ($t < "25")
        {
            echo"<br>Have a good night!";}
else {
    echo"<br>Out of range";}
}
function fun2(&$num1,&$num2){
$num1-=10;
$num2*=5; }

fun1($num1);
fun1($num2);
fun2($num1,$num2);
fun1($num1); fun1($num2);
?>
</body>
</html>
```

**Answer:**



**Q4** Answer Q4(a) - Q4(e) based on the given case study in **Figure Q4**.

MajuApparel is a women clothing store located in Parit Raja. The management decided to reach wider market by implementing a web based shopping system using PHP and MySQL. The system must store customers' information which include customer id, customer name, address, phone number, email and password. The system should be able to add record, update, search and delete record. A login page is required so that only a registered customers are allowed to log into the system. The login interface should contain label "username" for the customer to enter their email as their login id, label "Password" for the customer to enter their password and a submit button labelled as "Login". After a successful login, the customer can view their personal information and their shopping history in their user profile page.

Assume the database name is *ApparelShop* and table is *CustInfo*.

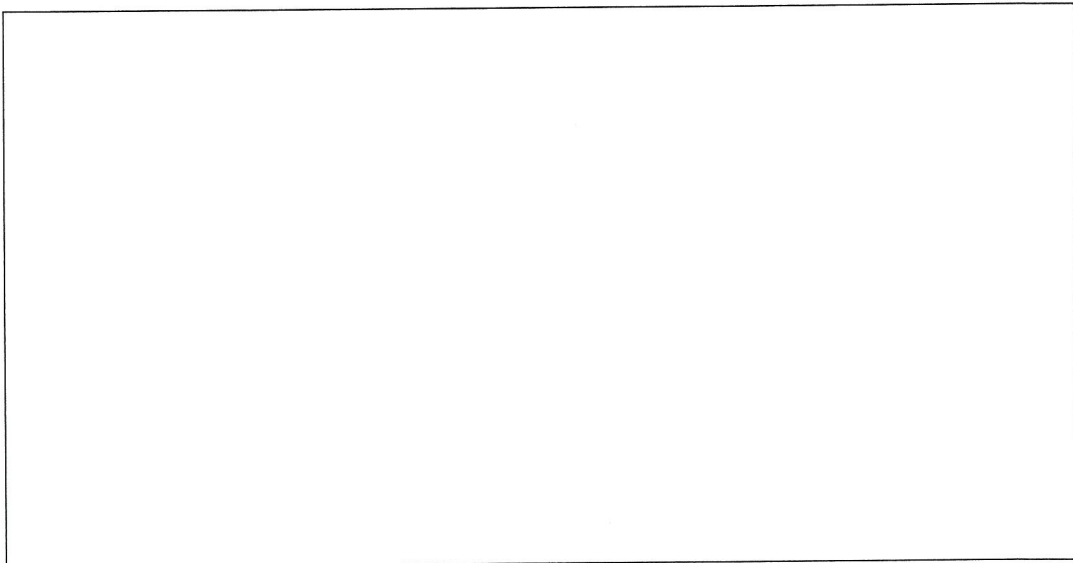
**Figure Q4**

(a) Construct a segment codes to implement the following task;

(i) connect with the database

(5 marks)

**Answer:**



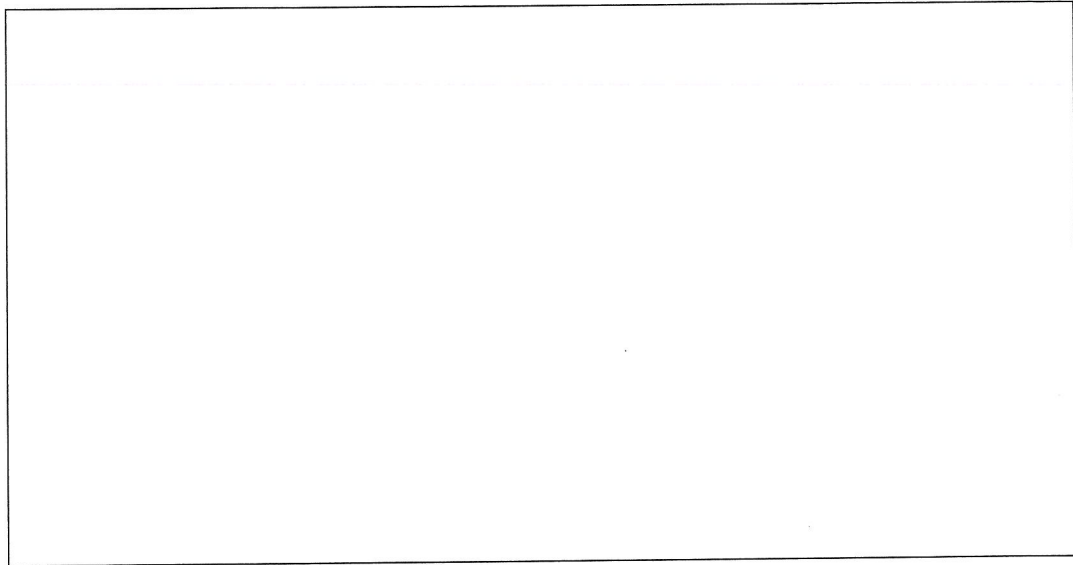
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(ii) add record into `CustInfo`

(5 marks)

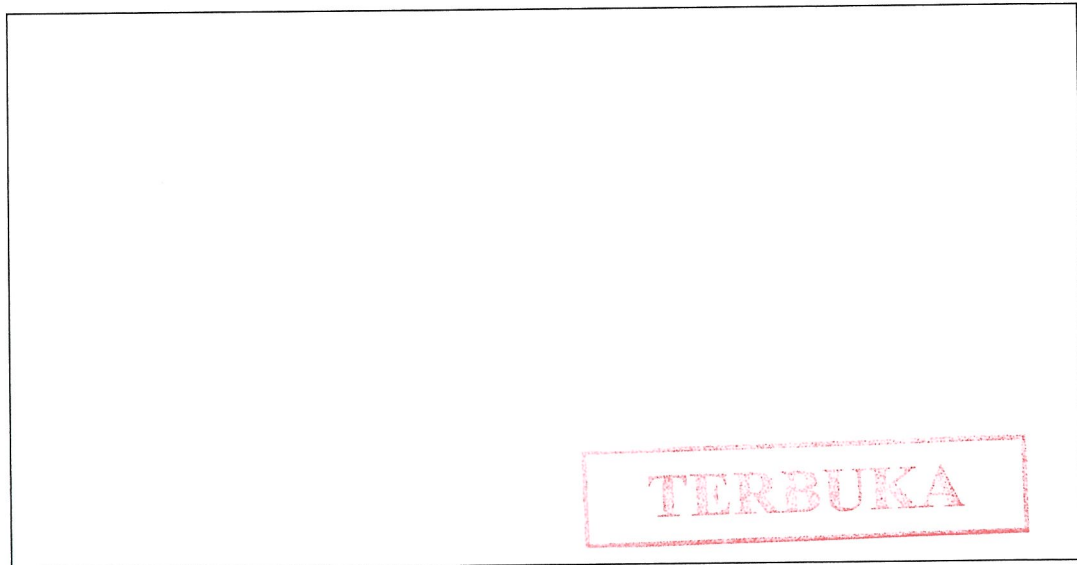
**Answer:**

A large, empty rectangular box with a black border, intended for the student to write their answer to question (ii).

(iii) display record of `CustInfo`

(5 marks)

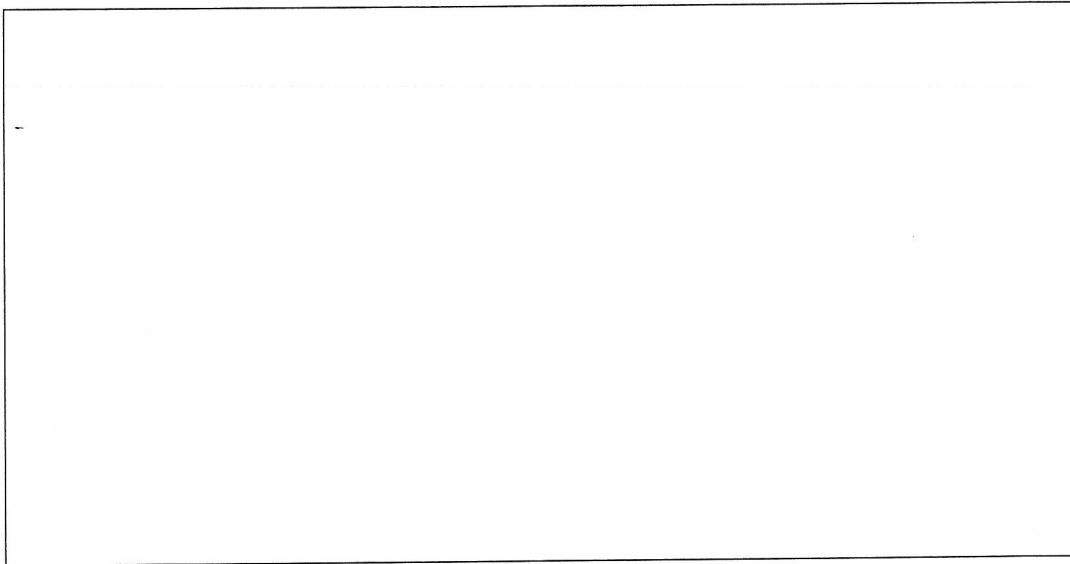
**Answer:**

A large, empty rectangular box with a black border, intended for the student to write their answer to question (iii). In the bottom right corner of the box, there is a red rectangular stamp with the word "TERBUKA" written inside in red capital letters.

(iv) search record based on customer name

(5 marks)

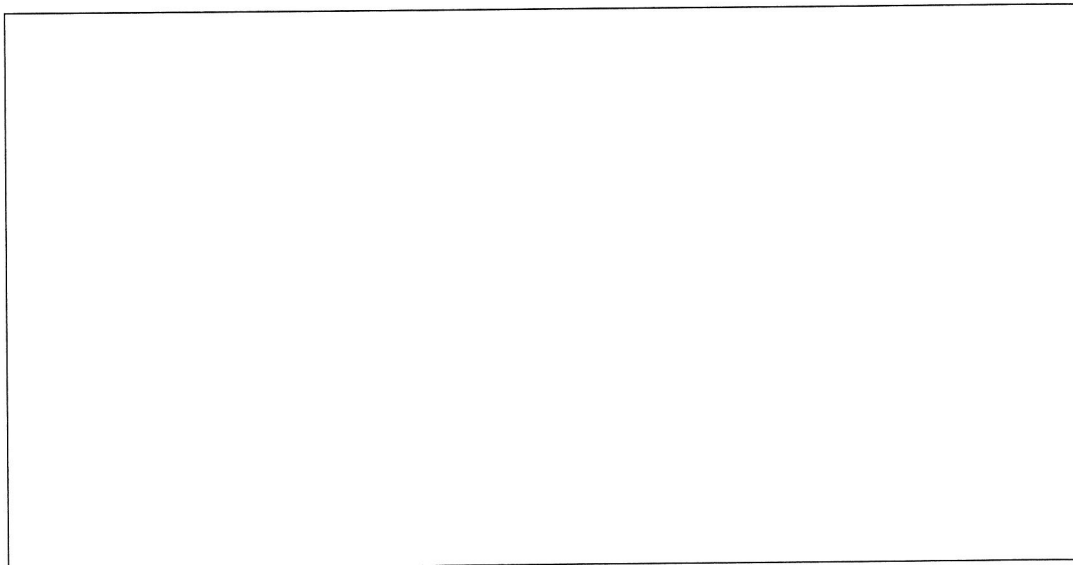
**Answer:**



(v) delete record based on customer id

(5 marks)

**Answer:**

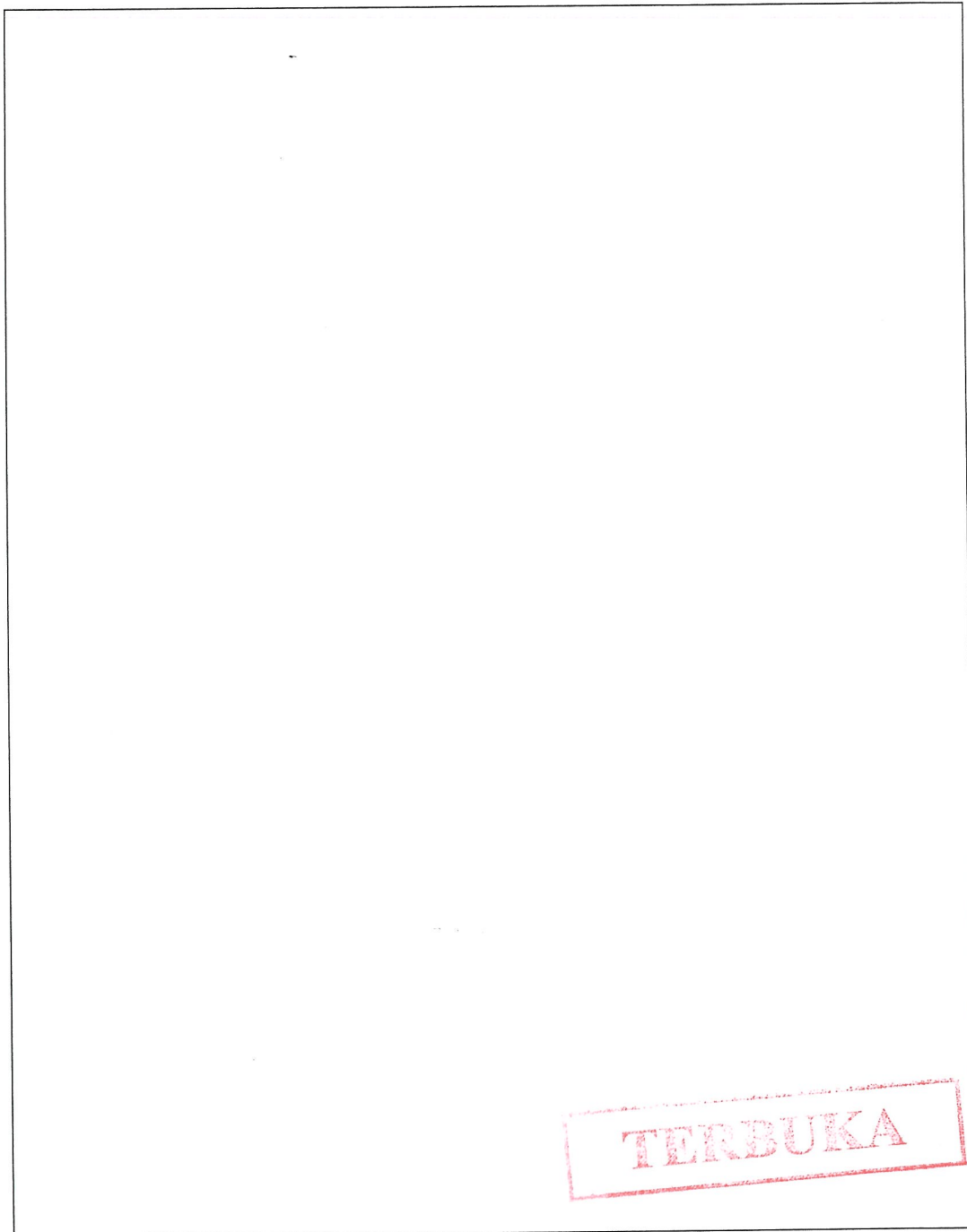


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- (b) Discuss the requirements needed to build a login page for MajuApparel website.

(10 marks)

**Answer:**

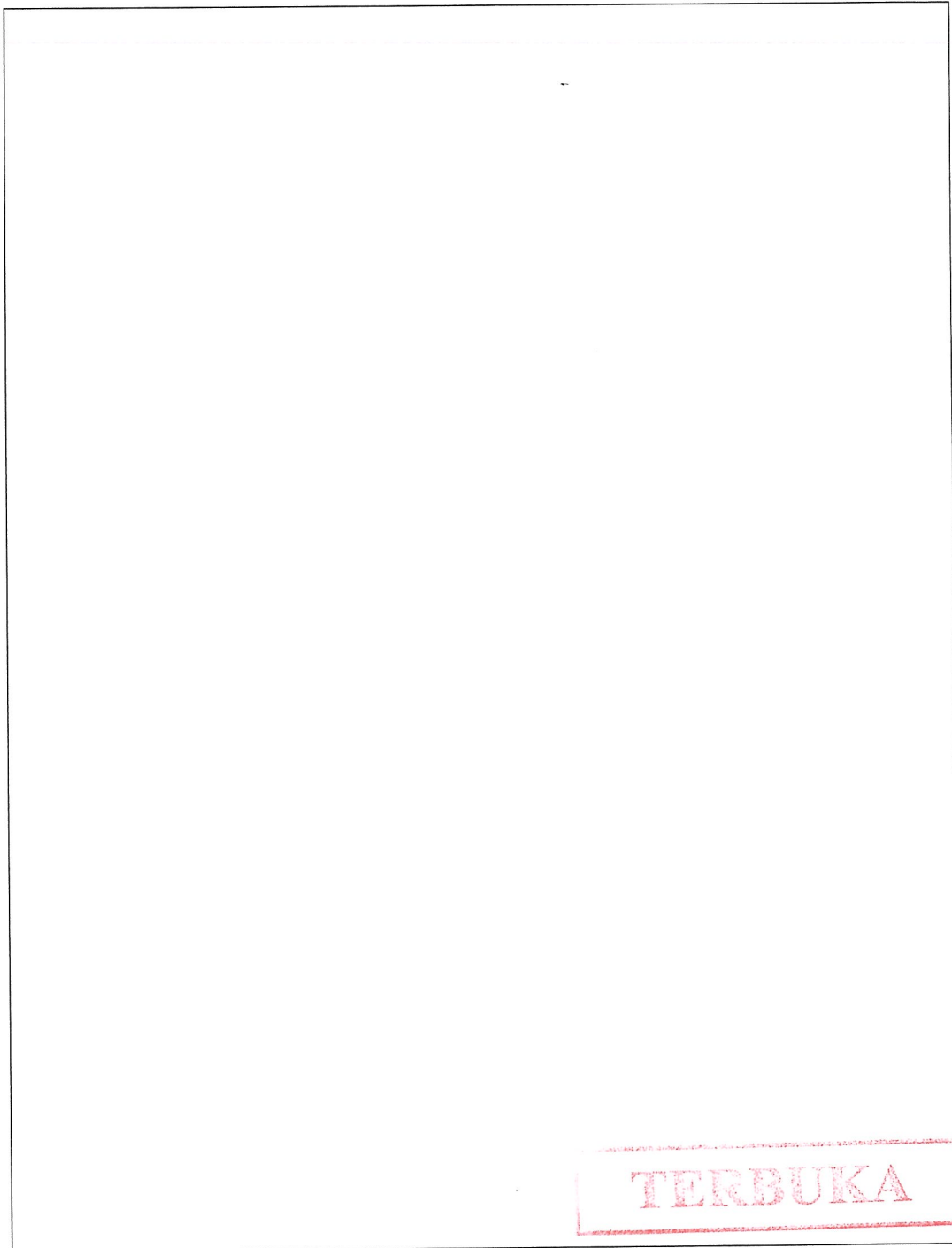


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- (c) Propose a user interface design for user login based on information in **Figure Q4**.

(5 marks)

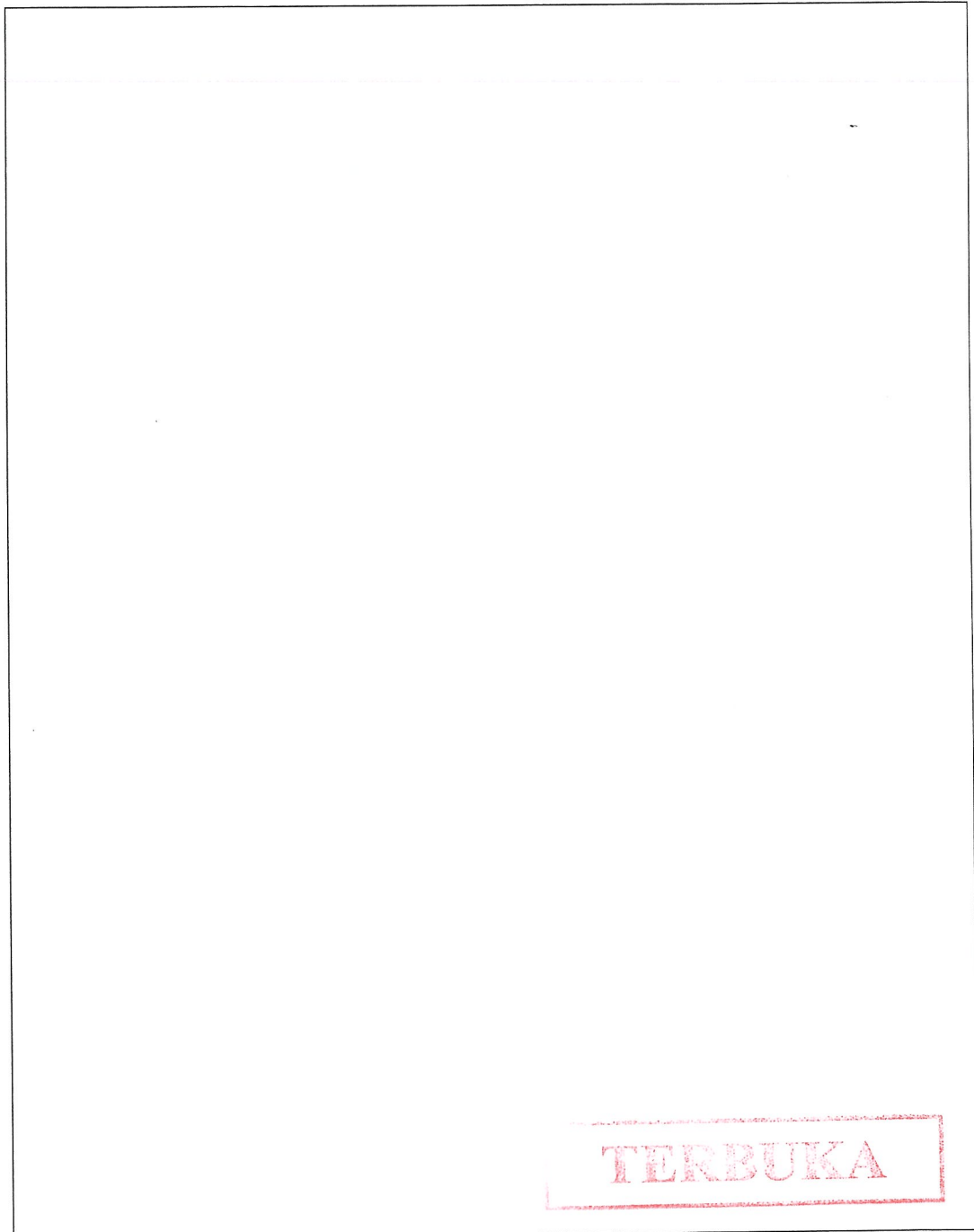
**Answer:**



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- (d) Write HTML codes for the proposed login interface in Q4(c). (5 marks)

**Answer:**

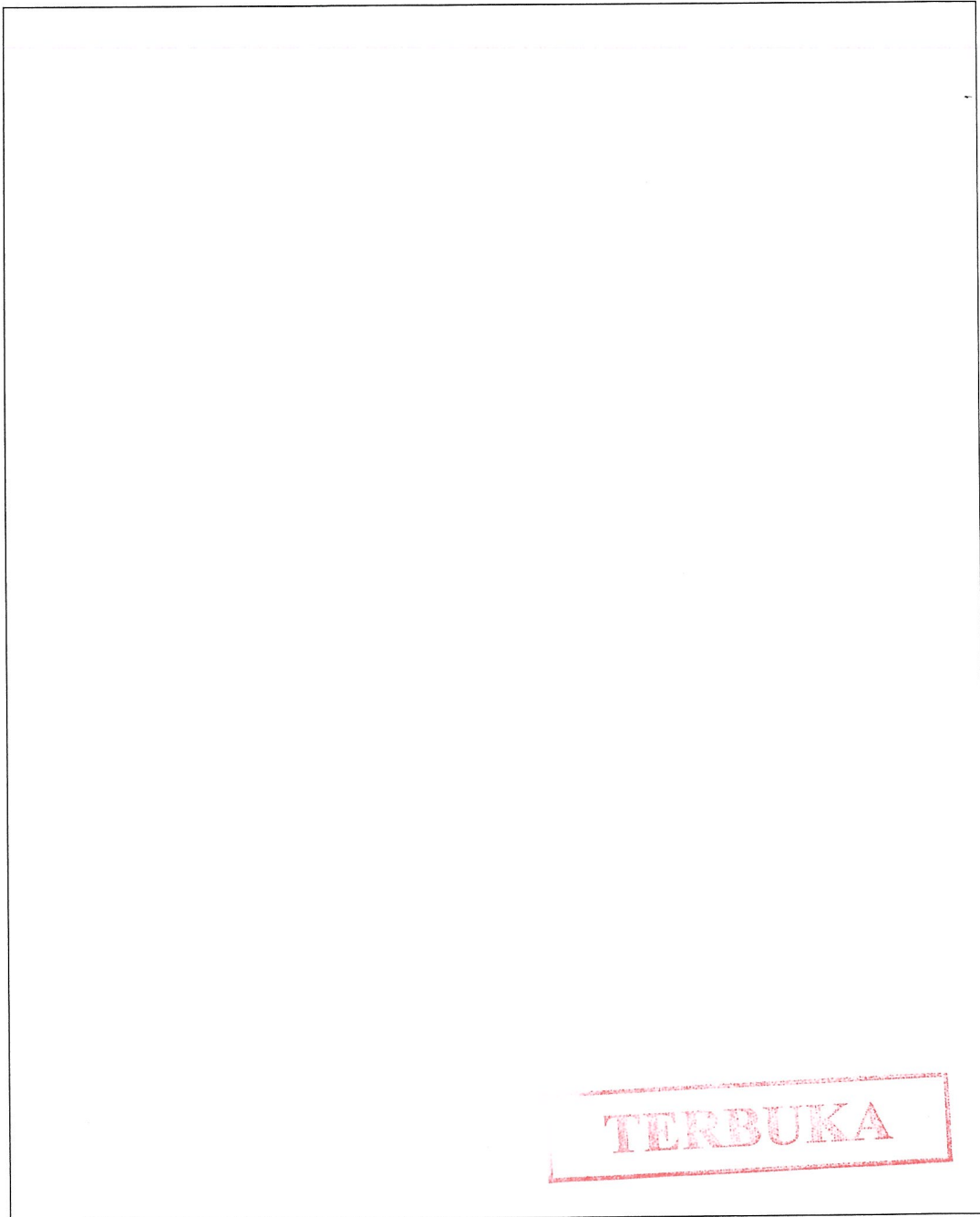


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- (e) Write a pseudocode to authenticate the user login. The user shall receive valid or invalid response.

(5 marks)

**Answer:**



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**- END OF QUESTION -**