

Part A

1. d <https://stackoverflow.com/questions/33273941/php-case-sensitivity>
2. c strcmp -> case sensitive strcasecmp -> case insensitive
3. b
4. d
5. c
6. a session_destroy → destroy all data associated
session_unset → clear the session. Variable still exists
7. c breaks the loop at first iteration
8. b
9. c
10. a
11. b
12. a
13. a
14. d
15. c
16. c
17. a
18. d
19. b
20. a

Part B

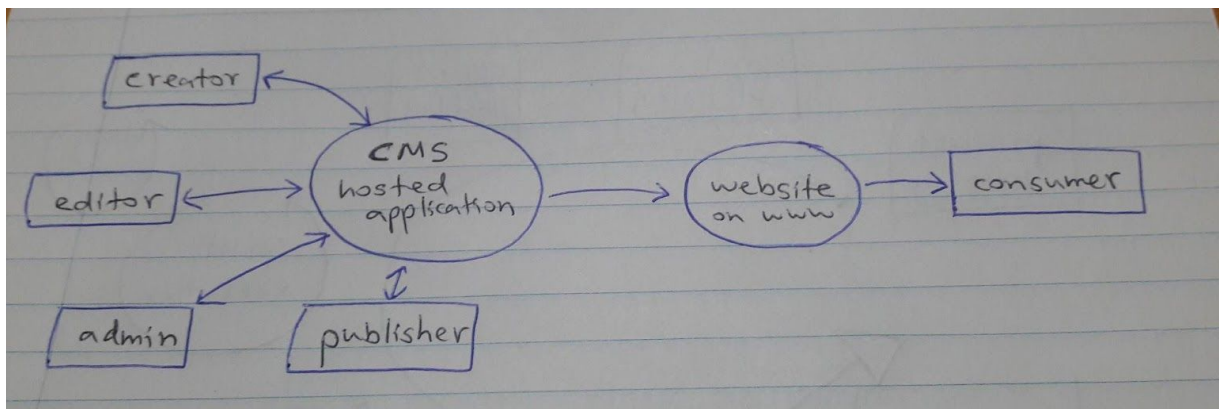
1. <http://agilemanifesto.org/iso/si/principles.html>

2.

- a)
 1. database
 2. autoload
 3. controllers
 4. routes
 5. view
- b)
 1. Implement a Helloworld class which extends from CI_Controller class
 2. Implement the index function
 3. Loads the helloworld model
 4. Assign data returned by helloworld model to result key in data array
 5. Assign page_title key as "CI Hello World App" in data array
 6. Loads the helloworld view by passing data array
 7. Use PHP foreach to iterate through result array passed from the controller
 8. Display title in each row of result array with H3 styles
 9. Implement a Helloworld class which extends from CI_Model
 10. Implement a getData function
 11. Get all data from 'data' table and store in query variable
 12. Check whether are there any queries (greater than 0)

3.

- a) Because it is made up to work with different roles and responsibilities. There are 5 roles in a WCMS as creator, editor, publisher, admin and consumer.



b) -

i) Assumptions

- Database.php file is completed with database configurations
- Database.php file is included in the update.php file
- \$conn is the connection variable in database.php
- RecordLevel is 100

ii) HTML form

```

<form method="POST" action="update.php">
    <label for="productCode">Product Code</label>
    <input type="text" name="product_code" required>
    <button type="submit">Submit</button>
</form>

```

iii) PHP code

```

<?php
if(isset($_POST['submit'])) {
    $product_code = $_POST['product_code'];

    if(!isset($product_code) || $product_code == "") {
        die("Enter the product code");
    }
    else {
        $query = "UPDATE ProductMaster
                SET ReorderLevel = 100
                WHERE ProductCode = $product_code ";

        if (mysqli_query($conn, $query)) {
            echo "Record updated successfully";
        } else {
            echo "Error updating record: " . mysqli_error($conn);
        }
    }
}
?>

```

4.

5.

- a) 1 - view
2 - controller
3 - form
4 -
5 - view
- b) -
 - i) somethingvthree
 - ii) somethingvtwo
 - iii) somethingvone
- c)
- d) Grid system in Bootstrap is a method to change the viewport according to the device size. The viewport is divided into 12 columns to manipulate easily. By adding a fluid class user can have a fluid look in the screen with responsive feature.

```
<div class="fluid">
  <div class="col-md-4" >
    <p>  $\frac{1}{3}$  of the viewport </p>
  </div>
  <div class="col-md-8" >
    <p>  $\frac{2}{3}$  of the viewport </p>
  </div>
</div>
```