

# Internet and Web Programming

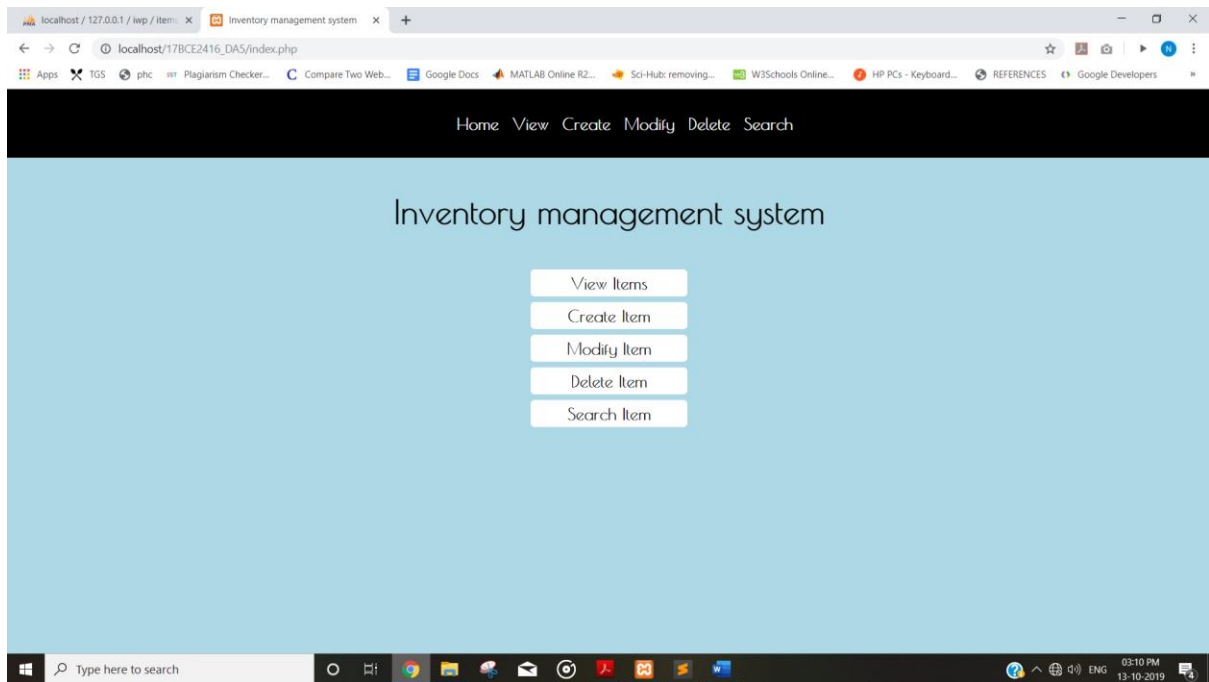
## Lab assignment-5

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**Create a Inventory Management system consisting of following operations.**

### index.php:

```
<!DOCTYPE html>
<head>
  <title>Inventory management system</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="index.php">Home</a></li>
      <li><a href="view.php">View</a></li>
      <li><a href="create.php">Create</a></li>
      <li><a href="modify.php">Modify</a></li>
      <li><a href="delete.php">Delete</a></li>
      <li><a href="search.php">Search</a></li>
    </ul>
  </nav>
  <h1>Inventory management system</h1>
  <a href="view.php"><button>View Items</button></a><br>
  <a href="create.php"><button>Create Item</button></a><br>
  <a href="modify.php"><button>Modify Item</button></a><br>
  <a href="delete.php"><button>Delete Item</button></a><br>
  <a href="search.php"><button>Search Item</button></a><br>
</body>
</html>
```



### view.php:

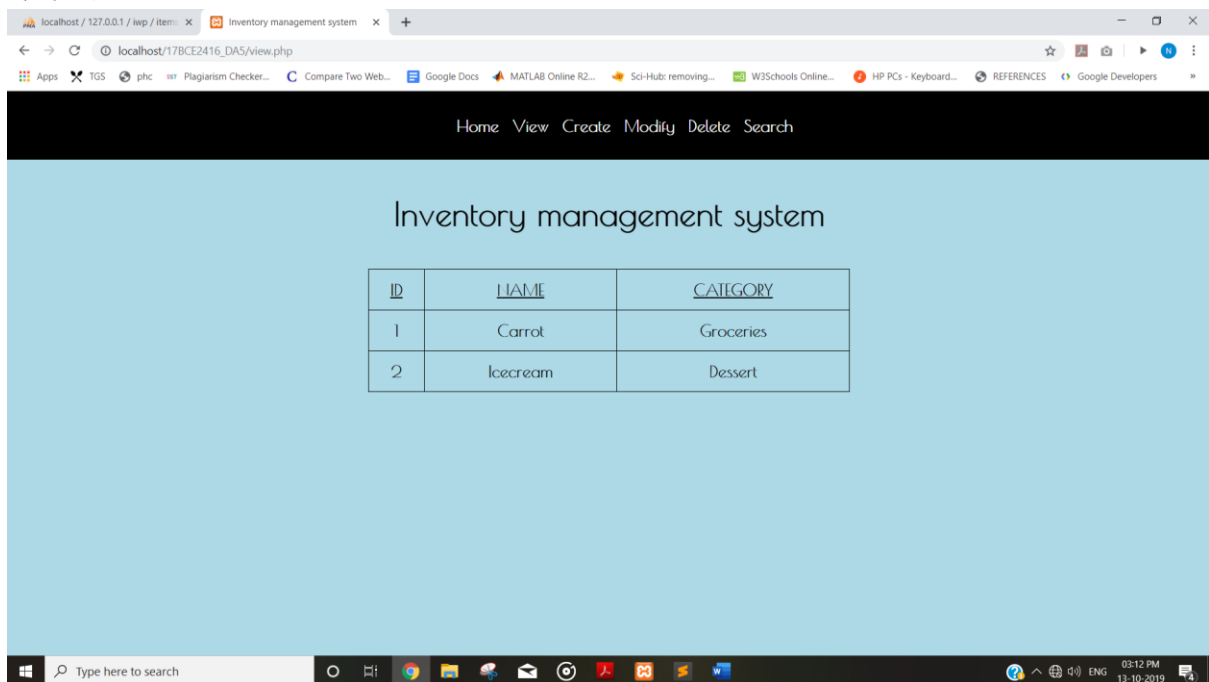
```
<!DOCTYPE html>
<head>
  <title>Inventory management system</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <nav>
    <ul>
      <li><a href="index.php">Home</a></li>
      <li><a href="view.php">View</a></li>
      <li><a href="create.php">Create</a></li>
      <li><a href="modify.php">Modify</a></li>
      <li><a href="delete.php">Delete</a></li>
      <li><a href="search.php">Search</a></li>
    </ul>
  </nav>
  <h1>Inventory management system</h1>

  <?php
    $conn = mysqli_connect('127.0.0.1','root','', 'iwp');
    if(! $conn ) {
      die('Could not connect: ' . mysqli_error());
    }
    $sql = "SELECT * FROM ITEMS";
    $retval = mysqli_query($conn, $sql);
    if(! $retval ) {
      die('No items found: ' . mysqli_error($conn));
    }
  >
```

```

    }
    echo '<table><tr><th>ID</th><th>NAME</th><th>CATEGORY</th></tr>';
    while ($row=mysqli_fetch_row($retval))
    {
        echo "<tr><td>$row[0]</td><td>$row[1]</td><td>$row[2]</td></tr>";
    }
    echo '</table><br><br>';
    mysqli_free_result($retval);
    mysqli_close($conn);
?>
</body>
</html>

```



## a. Enter the Inventory item to stock (10 min records)

### create.php:

```

<!DOCTYPE html>
<head>
    <title>Inventory management system</title>
    <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
    <nav>
        <ul>
            <li><a href="index.php">Home</a></li>
            <li><a href="view.php">View</a></li>
            <li><a href="create.php">Create</a></li>
            <li><a href="modify.php">Modify</a></li>
            <li><a href="delete.php">Delete</a></li>

```

```

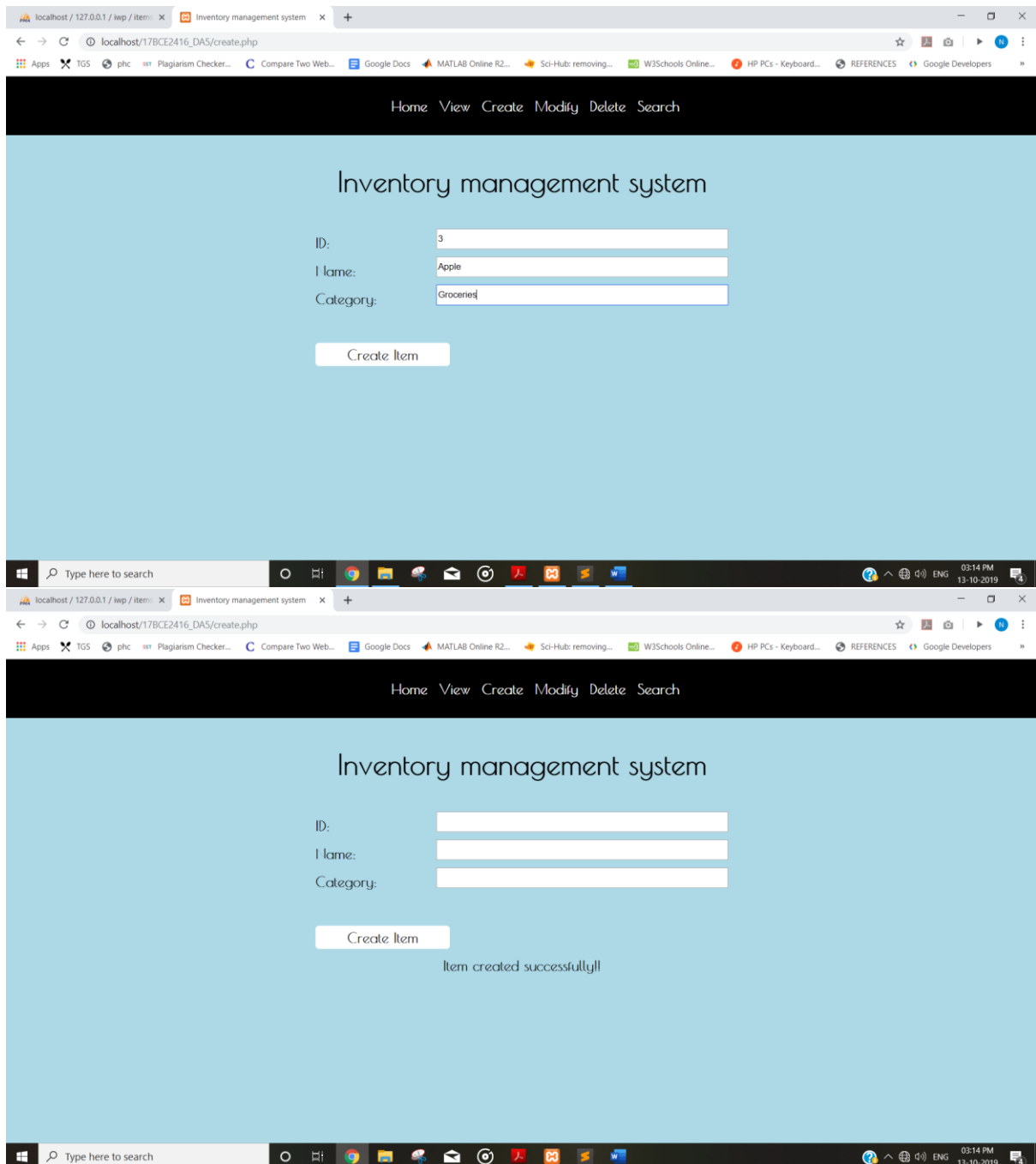
        <li><a href="search.php">Search</a></li>
    </ul>
</nav>
    <h1>Inventory management system</h1>
    <form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
        <label for="id">ID: </label>
        <input type="number" name="id"><br>
        <label for="name">Name: </label>
        <input type="text" name="name"><br>
        <label for="category">Category: </label>
        <input type="text" name="category"><br><br>
        <button type="submit" form="myForm" value="Submit" name="add">Create
Item</button>
    </form>

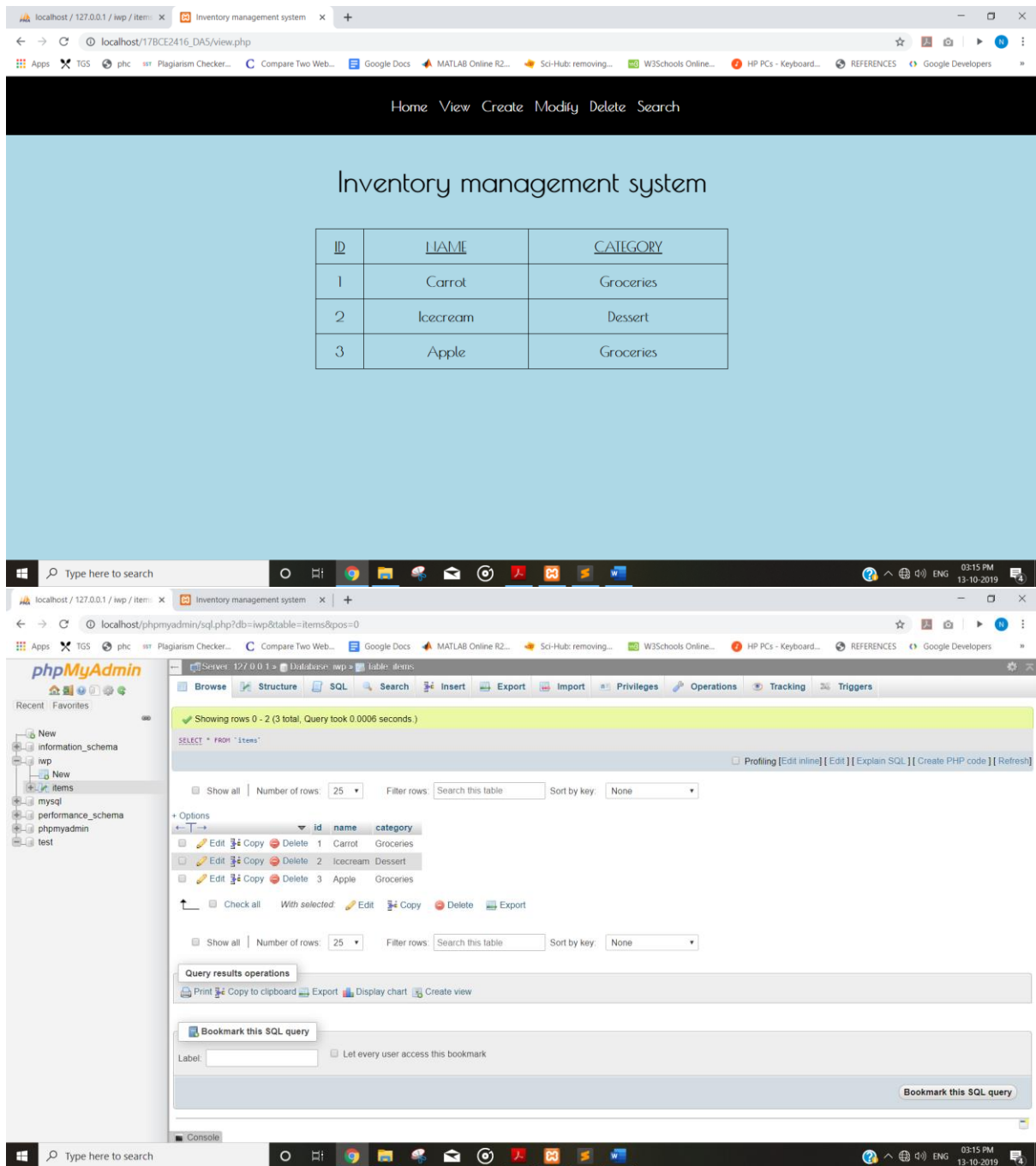
<?php
    if(isset($_POST['add'])) {
        $conn = mysqli_connect('127.0.0.1','root','', 'iwp');
        if(! $conn ) {
            die('Could not connect: ' . mysqli_error());
        }
        $id = $_POST['id'];
        $name = $_POST['name'];
        $category = $_POST['category'];

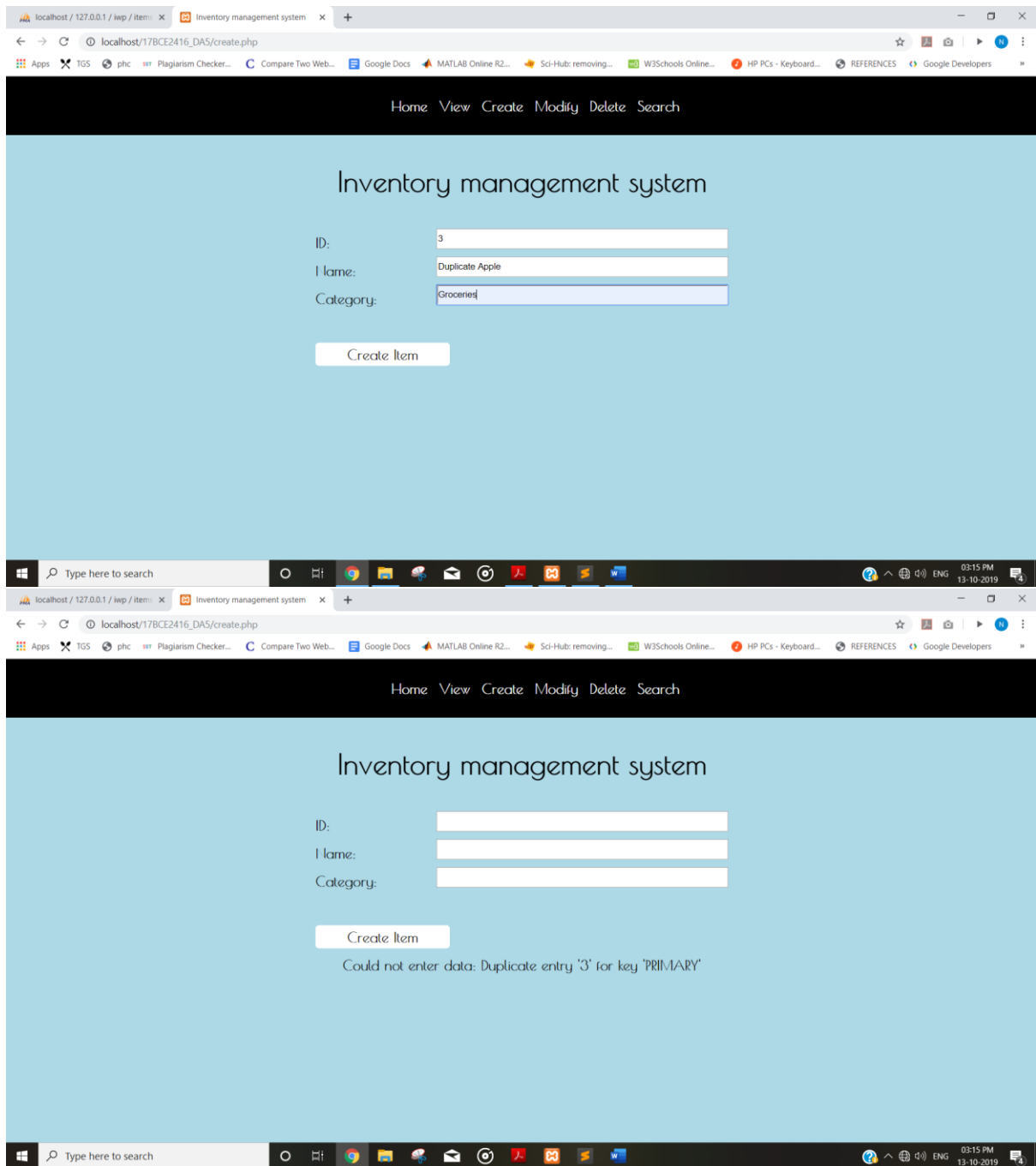
        if($id!=" && $name!=" && $category!="){

            $sql = "INSERT INTO items (id, name, category)" .
"VALUES('$id','$name','$category)";
            $retval = mysqli_query($conn, $sql);
            if(! $retval ) {
                die('Could not enter data: ' . mysqli_error($conn));
            }
            echo "Item created successfully!!\n";
            mysqli_close($conn);
        }
        else{
            echo '<span style="color: red;">Invalid data</span>';
        }
    }
?>
</body>
</html>

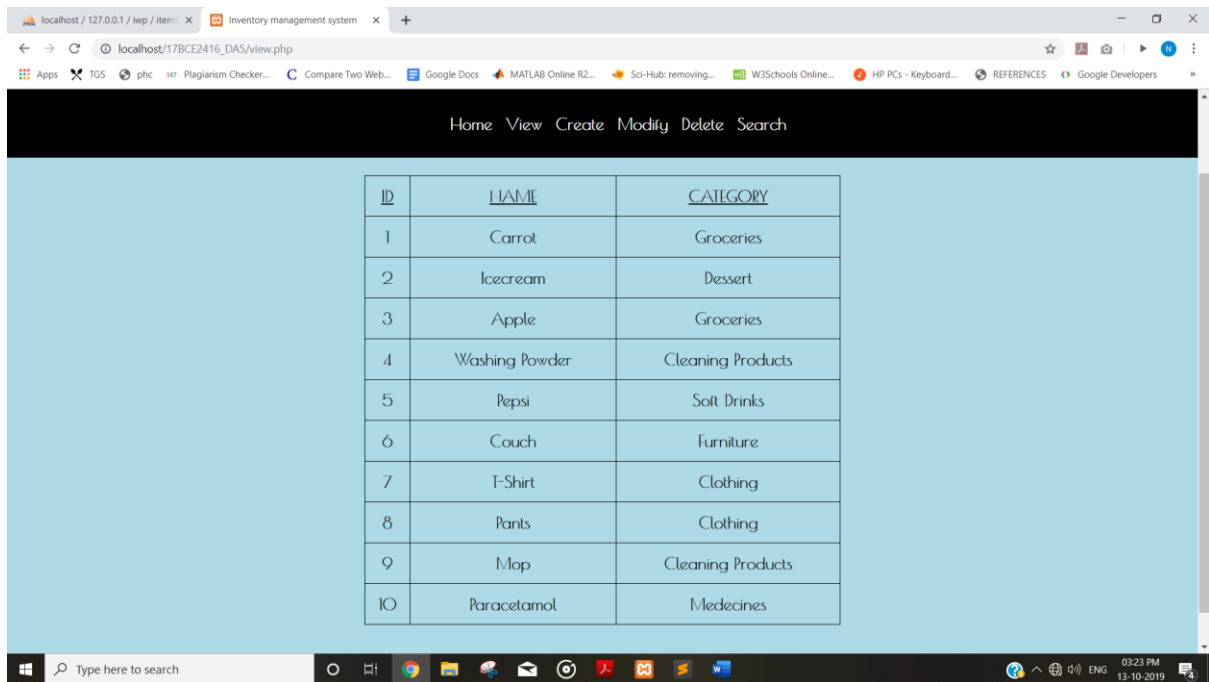
```







After adding 10 items:



## b. To modify the item in stock

### modify.php:

```
<!DOCTYPE html>
```

```
<head>
```

```
    <title>Inventory management system</title>
```

```
    <link rel="stylesheet" type="text/css" href="style.css">
```

```
</head>
```

```
<body>
```

```
    <nav>
```

```
        <ul>
```

```
            <li><a href="index.php">Home</a></li>
```

```
            <li><a href="view.php">View</a></li>
```

```
            <li><a href="create.php">Create</a></li>
```

```
            <li><a href="modify.php">Modify</a></li>
```

```
            <li><a href="delete.php">Delete</a></li>
```

```
            <li><a href="search.php">Search</a></li>
```

```
        </ul>
```

```
    </nav>
```

```
        <h1>Inventory management system</h1>
```

```
<form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
```

```
    <label for="id">Enter ID to modify: </label>
```

```
    <input type="number" name="id"><br>
```

```
    <label for="name">New name: </label>
```

```
    <input type="text" name="name"><br>
```

```
    <label for="category">New category: </label>
```

```
    <input type="text" name="category"><br><br>
```

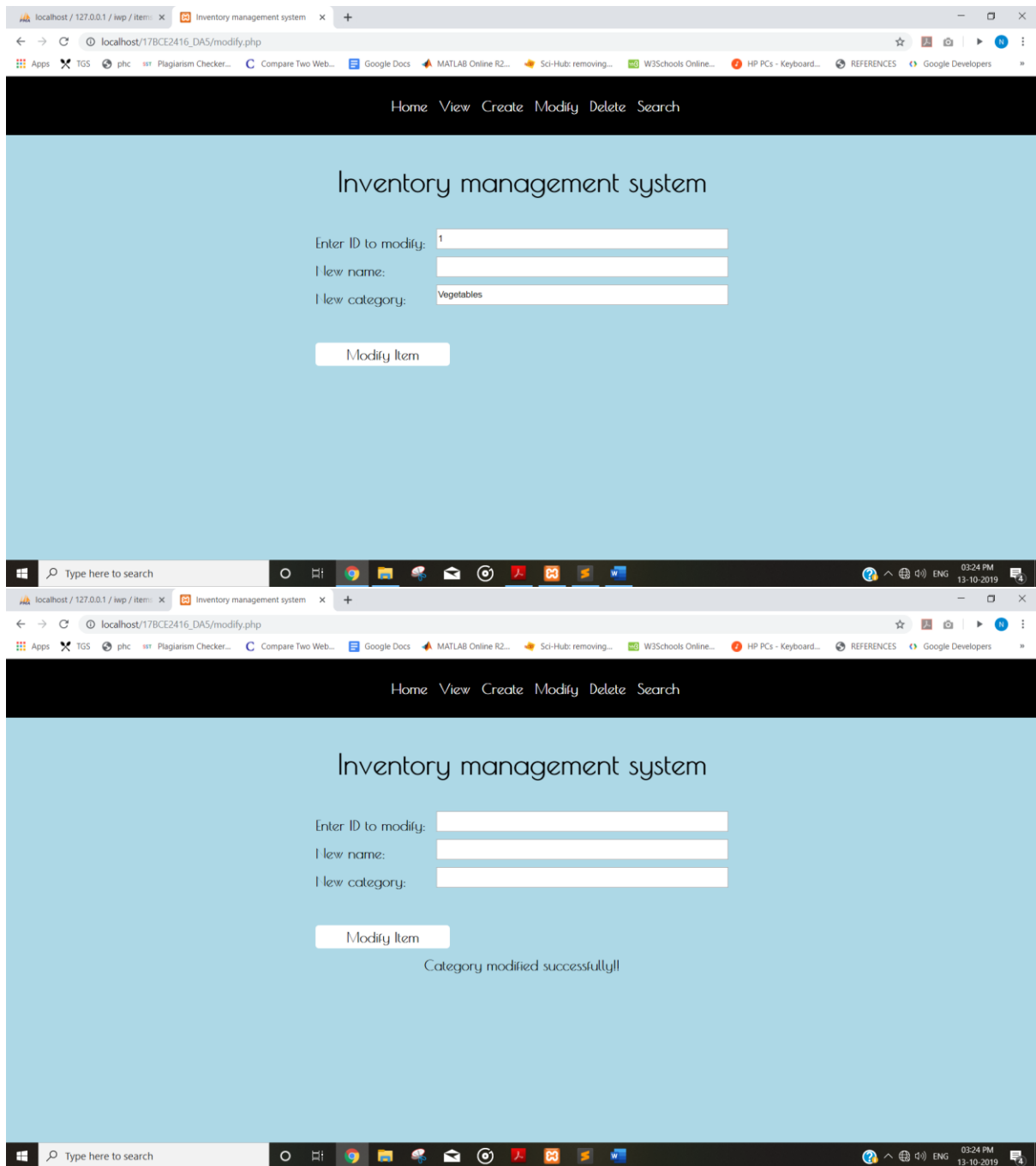


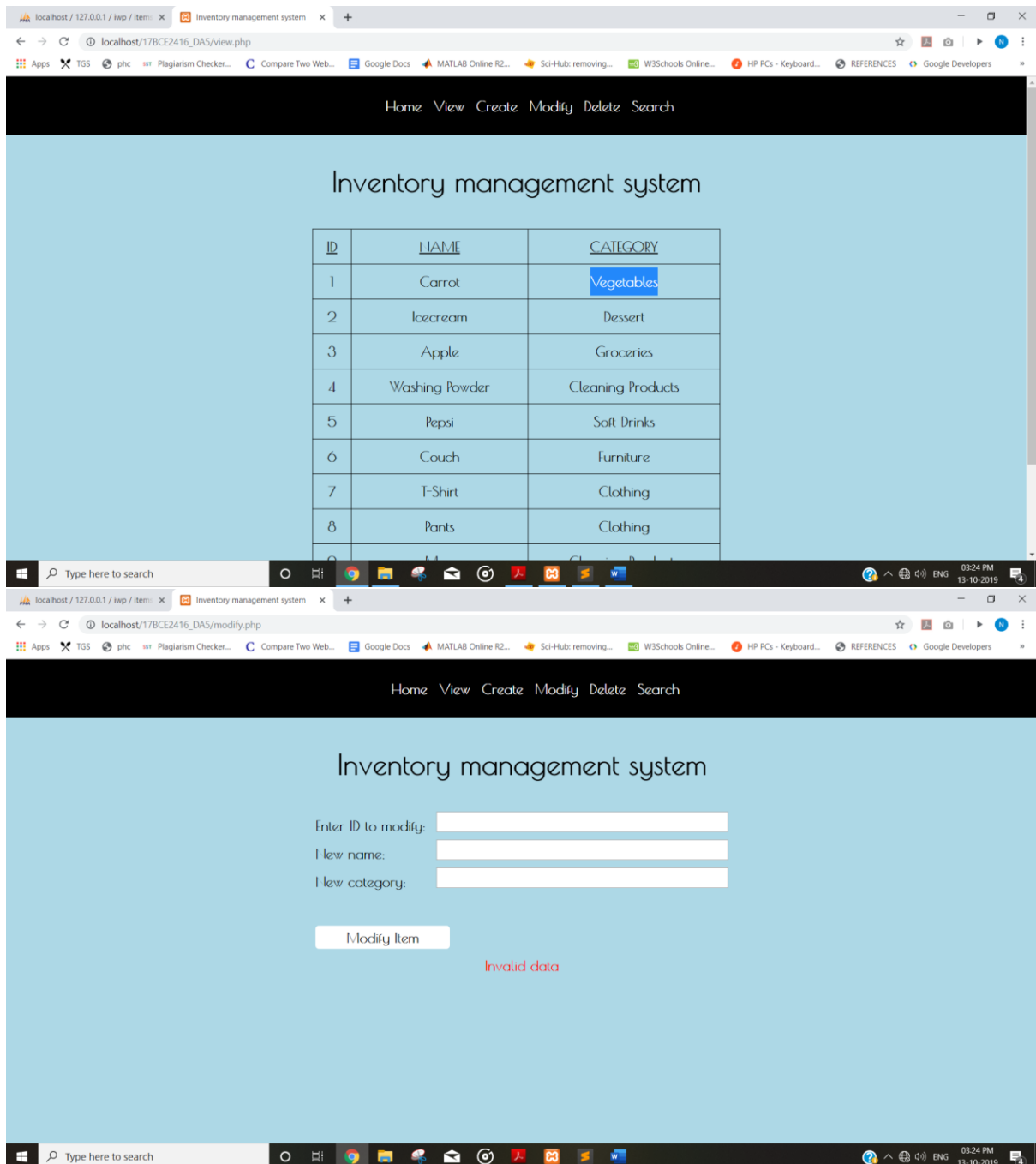
```
        <button type="submit" form="myForm" value="Submit" name="add">Modify
Item</button>
    </form>
```

```
<?php
    if(isset($_POST['add'])) {
        $conn = mysqli_connect('127.0.0.1','root','', 'iwp');
        if(! $conn ) {
            die('Could not connect: ' . mysqli_error());
        }
        $id = $_POST['id'];
        $name = $_POST['name'];
        $category = $_POST['category'];

        if($id!=""){

            if($name!=""){
                $sql = "UPDATE items SET name = ".$name." WHERE items.id = ".$id;
                $retval = mysqli_query($conn, $sql);
                if(! $retval ) {
                    die('Could not enter data: ' . mysqli_error($conn));
                }
                echo "Name modified successfully!!\n";
            }
            if($category!=""){
                $sql = "UPDATE items SET category = ".$category." WHERE items.id = ".$id;
                $retval = mysqli_query($conn, $sql);
                if(! $retval ) {
                    die('Could not enter data: ' . mysqli_error($conn));
                }
                echo "Category modified successfully!!\n";
            }
            mysqli_close($conn);
        }
        else{
            echo '<span style="color: red;">Invalid data</span>';
        }
    }
?>
</body>
</html>
```





### c. To delete the item stored

#### delete.php:

```
<!DOCTYPE html>
<head>
  <title>Inventory management system</title>
  <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
  <nav>
    <ul>
```

```

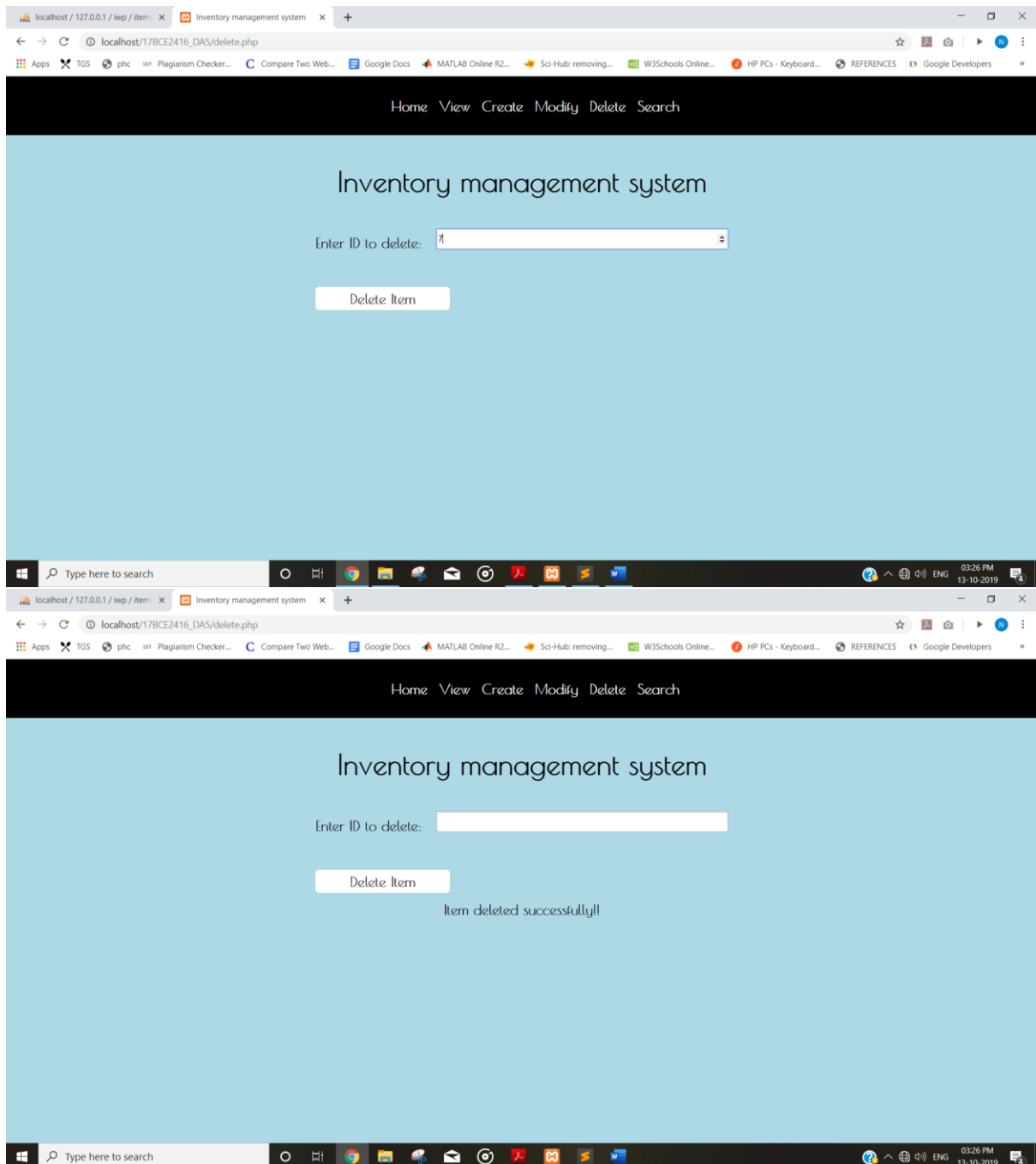
        <li><a href="index.php">Home</a></li>
        <li><a href="view.php">View</a></li>
        <li><a href="create.php">Create</a></li>
        <li><a href="modify.php">Modify</a></li>
        <li><a href="delete.php">Delete</a></li>
        <li><a href="search.php">Search</a></li>
    </ul>
</nav>
    <h1>Inventory management system</h1>

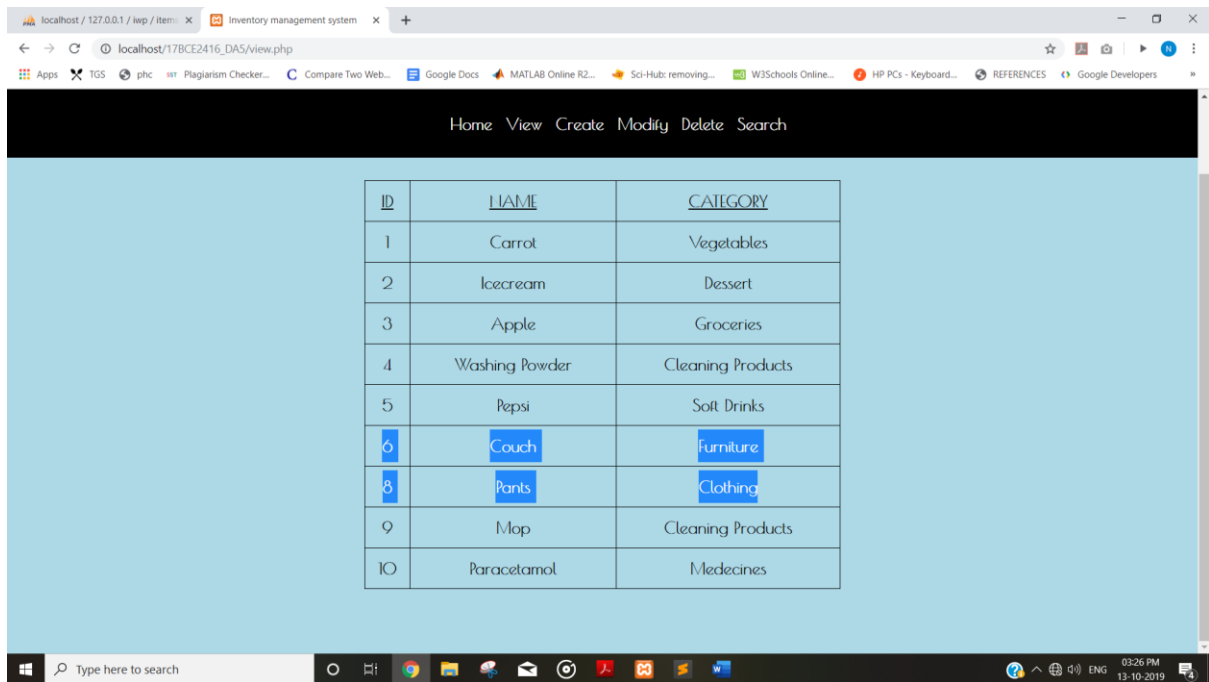
    <form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
        <label for="id">Enter ID to delete: </label>
        <input type="number" name="id"><br><br>
        <button type="submit" form="myForm" value="Submit" name="add">Delete
Item</button>
    </form>

    <?php
    if(isset($_POST['add'])) {
        $conn = mysqli_connect('127.0.0.1','root','', 'iwp');
        if(! $conn ) {
            die('Could not connect: ' . mysqli_error());
        }
        $id = $_POST['id'];

        if($id!=""){
            $sql = "DELETE FROM items WHERE items.id = ".$id;
            $retval = mysqli_query($conn, $sql);
            if(! $retval ) {
                die('Could not enter data: ' . mysqli_error($conn));
            }
            echo "Item deleted successfully!!\n";
            mysqli_close($conn);
        }
        else{
            echo '<span style="color: red;">Invalid data</span>';
        }
    }
    ?>
</body>
</html>

```





**d. To view or search based on item name or category name.**

### search.php:

```
<!DOCTYPE html>
```

```
<head>
```

```
  <title>Inventory management system</title>
```

```
  <link rel="stylesheet" type="text/css" href="style.css">
```

```
</head>
```

```
<body>
```

```
  <nav>
```

```
    <ul>
```

```
      <li><a href="index.php">Home</a></li>
```

```
      <li><a href="view.php">View</a></li>
```

```
      <li><a href="create.php">Create</a></li>
```

```
      <li><a href="modify.php">Modify</a></li>
```

```
      <li><a href="delete.php">Delete</a></li>
```

```
      <li><a href="search.php">Search</a></li>
```

```
    </ul>
```

```
  </nav>
```

```
    <h1>Inventory management system</h1>
```

```
  <form method="POST" action="<?php $_PHP_SELF ?>" id="myForm">
```

```
    <label for="query">Name/category: </label>
```

```
    <input type="text" name="query"><br><br>
```

```
    <button type="submit" form="myForm" value="Submit" name="add">Search</button>
```

```
</form><br>
```

```
<?php
```

```

if(isset($_POST['add'])) {
    $conn = mysqli_connect('127.0.0.1','root','', 'iwp');
    if(! $conn ) {
        die('Could not connect: ' . mysql_error());
    }
    $query = $_POST['query'];

    if($query!=""){
        $found = true;
        $sql = "SELECT * FROM items WHERE items.category = '".$query."'";
        $retval = mysqli_query($conn, $sql);
        if(mysqli_num_rows($retval)==0) {
            $sql = "SELECT * FROM items WHERE items.name = '$query'";
            $retval = mysqli_query($conn, $sql);
            if(! $retval ) {
                $found = false;
                echo 'No items found :(';
            }
        }
        if($found!=false){
            echo '<table><tr><th>ID</th><th>NAME</th><th>CATEGORY</th></tr>';
            while ($row=mysqli_fetch_row($retval))
            {
                echo "<tr><td>$row[0]</td><td>$row[1]</td><td>$row[2]</td></tr>";
            }
            echo '</table>';
            mysqli_free_result($retval);
        }
        mysqli_close($conn);
    }
    else{
        echo '<span style="color: red;">Invalid data</span>';
    }
}
?>
</body>
</html>

```

