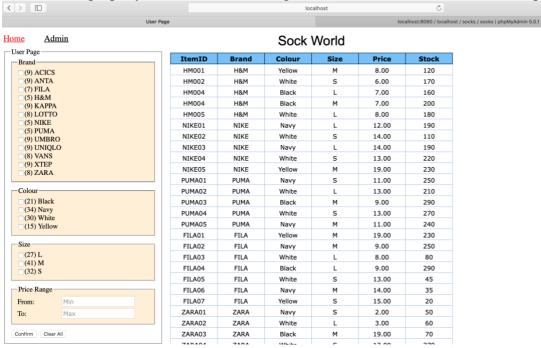
<mark>Name: Yubang Wu</mark>

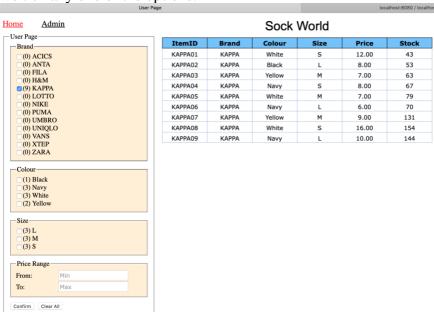
ID: 6147963

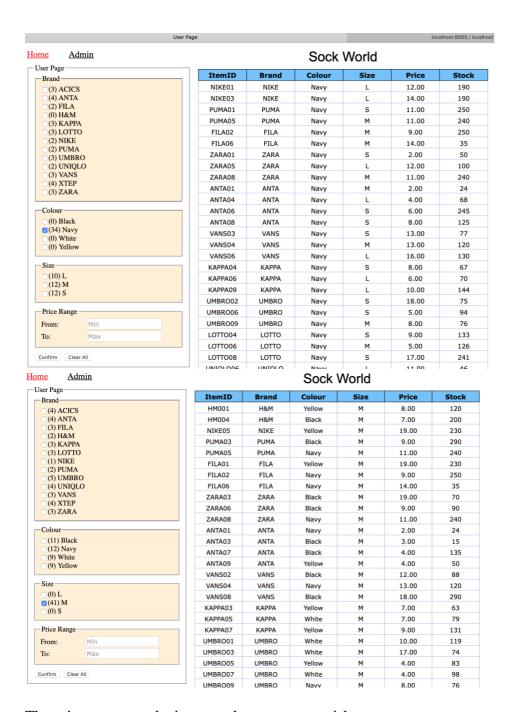
### **Demonstration of MTS9307 Stage II Standard Version**

This is the original web page if starting any operation. The 100 pieces of data are shown in a table. There are three filters for the brand, the colour and the size respectively. The counting functions are properly shown in the User Page form and all of them can be added up to 100.

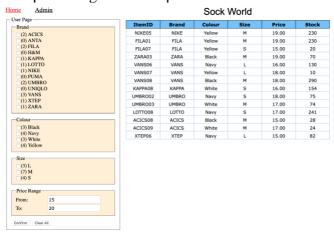


Three screenshots show the single filter function and the counts will automatically change if we tick any one of the options.



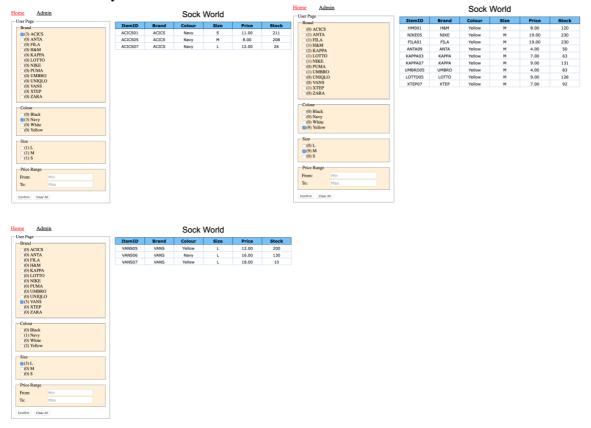


#### The price range can be input as the customers wish.

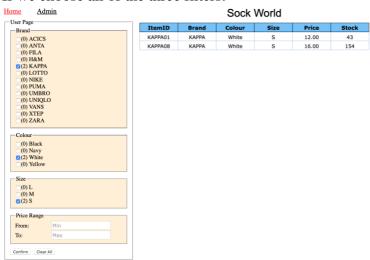


The screenshots below show how the filters can work together. The counts will also be updated automatically.

If we choose any two of them:



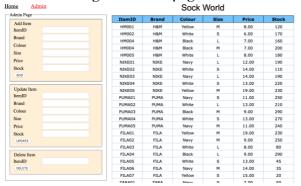
If we choose all of the three filters:



The price range function can also work with the filters:



To go to the admin page, we need to click "Admin" at the top left corner. After the click, the admin operation facet at the left and the table containing the 100 pieces of data at the right will be the original admin page.



To add an item into the database, it is supposed to input all the information to make it:

Home Admin



After clicking "ADD", if succeeded, an alert popup will show up.

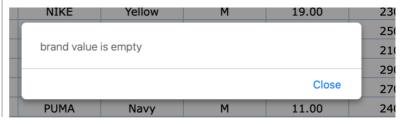


The new item will be added at the bottom of the table.

-7	110 110 11	100111 111	,	- 4	00000111	01 5110 66
	XTEP07	XTEP	Yellow	М	7.00	92
	XTEP08	XTEP	Black	S	11.00	78
	XTEP09	XTEP	White	М	3.00	25
	EXTRA01	Extra	Green	S	99.00	999

If any line is empty, an alert of a mistake will show up.

<u>Home</u> <u>Admin</u>									
Admin P	- Admin Page -								
Add It	Add Item								
ItemID	)	EXTRA02							
Brand									
Colour	•								
Size		L							
Price									
Stock									
ADD									



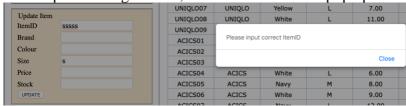
The update function only requires the customer to input the ItemID and one of the attributes:



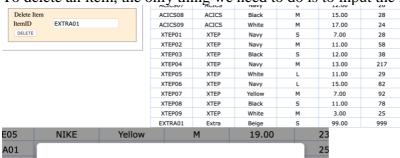
800	UNIQ	LO	W	hite		L	11.00		243	
009								247		
01	update operation succeeded							211		
02								1	222	
03							Close		221	
04	ACICS		White			L	6.00		201	
	XTEP08	TEP08 XT		Black		S	11.00		78	
	XTEP09	XTEP Whi		White	e	М	3.00		25	
Е	XTRA01	Ex	Extra Beig		е	S	99.00		999	

As we can see, the colour was changed from "Green" to "Beige".

If we input a wrong ItemID, the mistake alert will pop up:



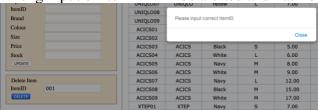
To delete an item, the only thing we need to do is to input the ItemID:



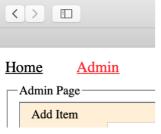
After the delete action, EXTRA01 disappeared.

XTEP06	XTEP	Navy	L	15.00	82
XTEP07	XTEP	Yellow	М	7.00	92
XTEP08	XTEP	Black	S	11.00	78
XTEP09	XTEP	White	М	3.00	25

Wrong input of ItemID will be alerted and has no reaction.



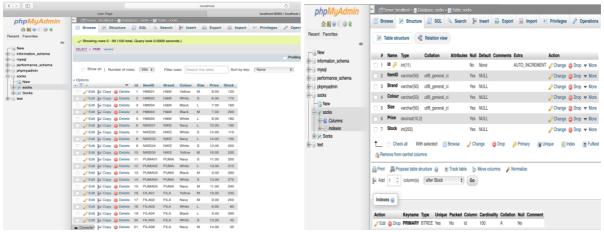
To go back to the user page, just click "Home" at the top left corner.



A log file is updated every time we make any Add/Update/Delete operation.



This is how my database looks like. The data were imported by "Import" a SQL file with all the demands inside.



### **SQL File**

```
SET NAMES utf8mb4;
SET FOREIGN_KEY_CHECKS = 0;
-- Table structure for socks
DROP TABLE IF EXISTS 'socks';
CREATE TABLE 'socks' (
 'id' int(11) NOT NULL AUTO_INCREMENT,
 `ItemID` varchar(50) CHARACTER SET utf8 COLLATE utf8_general_ci NULL DEFAULT NULL,
 `Brand` varchar(50) CHARACTER SET utf8 COLLATE utf8_general_ci NULL DEFAULT NULL,
 `Colour` varchar(50) CHARACTER SET utf8 COLLATE utf8_general_ci NULL DEFAULT NULL,
 `Size` varchar(50) CHARACTER SET utf8 COLLATE utf8_general_ci NULL DEFAULT NULL,
 'Price' decimal(10, 2) NULL DEFAULT NULL,
 'Stock' int(255) NULL DEFAULT NULL,
 PRIMARY KEY ('id') USING BTREE
) ENGINE = MyISAM AUTO_INCREMENT = 24 CHARACTER SET = utf8 COLLATE =
utf8_general_ci ROW_FORMAT = Dynamic;
-- Records of socks
INSERT INTO 'socks' VALUES (1, 'HM001', 'H&M', 'Yellow', 'M', 8.00, 120);
INSERT INTO 'socks' VALUES (2, 'HM002', 'H&M', 'White', 'S', 6.00, 170);
INSERT INTO `socks` VALUES (3, 'HM004', 'H&M', 'Black', 'L', 7.00, 160);
INSERT INTO 'socks' VALUES (4, 'HM004', 'H&M', 'Black', 'M', 7.00, 200);
INSERT INTO 'socks' VALUES (5, 'HM005', 'H&M', 'White', 'L', 8.00, 180);
INSERT INTO 'socks' VALUES (6, 'NIKE01', 'NIKE', 'Navy', 'L', 12.00, 190);
INSERT INTO 'socks' VALUES (7, 'NIKE02', 'NIKE', 'White', 'S', 14.00, 110);
INSERT INTO 'socks' VALUES (8, 'NIKE03', 'NIKE', 'Navy', 'L', 14.00, 190);
INSERT INTO 'socks' VALUES (9, 'NIKE04', 'NIKE', 'White', 'S', 13.00, 220);
INSERT INTO 'socks' VALUES (10, 'NIKE05', 'NIKE', 'Yellow', 'M', 19.00, 230);
INSERT INTO 'socks' VALUES (11, 'PUMA01', 'PUMA', 'Navy', 'S', 11.00, 250);
INSERT INTO 'socks' VALUES (12, 'PUMA02', 'PUMA', 'White', 'L', 13.00, 210);
INSERT INTO 'socks' VALUES (13, 'PUMA03', 'PUMA', 'Black', 'M', 9.00, 290);
```

```
INSERT INTO 'socks' VALUES (14, 'PUMA04', 'PUMA', 'White', 'S', 13.00, 270);
INSERT INTO 'socks' VALUES (15, 'PUMA05', 'PUMA', 'Navy', 'M', 11.00, 240);
INSERT INTO 'socks' VALUES (16, 'FILA01', 'FILA', 'Yellow', 'M', 19.00, 230);
INSERT INTO 'socks' VALUES (17, 'FILA02', 'FILA', 'Navy', 'M', 9.00, 250);
INSERT INTO 'socks' VALUES (18, 'FILA03', 'FILA', 'White', 'L', 8.00, 80);
INSERT INTO 'socks' VALUES (19, 'FILA04', 'FILA', 'Black', 'L', 9.00, 290);
INSERT INTO 'socks' VALUES (20, 'FILA05', 'FILA', 'White', 'S', 13.00, 45);
INSERT INTO `socks` VALUES (21, 'FILA06', 'FILA', 'Navy', 'M', 14.00, 35);
INSERT INTO 'socks' VALUES (22, 'FILA07', 'FILA', 'Yellow', 'S', 15.00, 20);
INSERT INTO 'socks' VALUES (23, 'ZARA01', 'ZARA', 'Navy', 'S', 2.00, 50);
INSERT INTO 'socks' VALUES (24, 'ZARA02', 'ZARA', 'White', 'L', 3.00, 60);
INSERT INTO 'socks' VALUES (25, 'ZARA03', 'ZARA', 'Black', 'M', 19.00, 70);
INSERT INTO 'socks' VALUES (26, 'ZARA04', 'ZARA', 'White', 'S', 13.00, 270);
INSERT INTO 'socks' VALUES (27, 'ZARA05', 'ZARA', 'Navy', 'L', 12.00, 100);
INSERT INTO 'socks' VALUES (28, 'ZARA06', 'ZARA', 'Black', 'M', 9.00, 90);
INSERT INTO 'socks' VALUES (29, 'ZARA07', 'ZARA', 'White', 'S', 4.00, 270);
INSERT INTO 'socks' VALUES (30, 'ZARA08', 'ZARA', 'Navy', 'M', 11.00, 240);
INSERT INTO `socks` VALUES (31, 'ANTA01', 'ANTA', 'Navy', 'M', 2.00, 24);
INSERT INTO 'socks' VALUES (32, 'ANTA02', 'ANTA', 'White', 'L', 2.00, 34);
INSERT INTO 'socks' VALUES (33, 'ANTA03', 'ANTA', 'Black', 'M', 3.00, 15);
INSERT INTO 'socks' VALUES (34, 'ANTA04', 'ANTA', 'Navy', 'L', 4.00, 68);
INSERT INTO 'socks' VALUES (35, 'ANTA05', 'ANTA', 'Yellow', 'S', 5.00, 90);
INSERT INTO 'socks' VALUES (36, 'ANTA06', 'ANTA', 'Navy', 'S', 6.00, 245);
INSERT INTO 'socks' VALUES (37, 'ANTA07', 'ANTA', 'Black', 'M', 4.00, 135);
INSERT INTO 'socks' VALUES (38, 'ANTA08', 'ANTA', 'Navy', 'S', 8.00, 125);
INSERT INTO 'socks' VALUES (39, 'ANTA09', 'ANTA', 'Yellow', 'M', 4.00, 50);
INSERT INTO 'socks' VALUES (40, 'VANS01', 'VANS', 'White', 'S', 11.00, 66);
INSERT INTO 'socks' VALUES (41, 'VANS02', 'VANS', 'Black', 'M', 12.00, 88);
INSERT INTO 'socks' VALUES (42, 'VANS03', 'VANS', 'Navy', 'S', 13.00, 77);
INSERT INTO 'socks' VALUES (43, 'VANS04', 'VANS', 'Navy', 'M', 13.00, 120);
INSERT INTO 'socks' VALUES (44, 'VANS05', 'VANS', 'Yellow', 'L', 12.00, 200);
INSERT INTO 'socks' VALUES (45, 'VANS06', 'VANS', 'Navy', 'L', 16.00, 130);
INSERT INTO 'socks' VALUES (46, 'VANS07', 'VANS', 'Yellow', 'L', 18.00, 10);
INSERT INTO `socks` VALUES (47, 'VANS08', 'VANS', 'Black', 'M', 18.00, 290);
```

```
INSERT INTO 'socks' VALUES (48, 'KAPPA01', 'KAPPA', 'White', 'S', 12.00, 43);
INSERT INTO 'socks' VALUES (49, 'KAPPA02', 'KAPPA', 'Black', 'L', 8.00, 53);
INSERT INTO 'socks' VALUES (50, 'KAPPA03', 'KAPPA', 'Yellow', 'M', 7.00, 63);
INSERT INTO 'socks' VALUES (51, 'KAPPA04', 'KAPPA', 'Navy', 'S', 8.00, 67);
INSERT INTO 'socks' VALUES (52, 'KAPPA05', 'KAPPA', 'White', 'M', 7.00, 79);
INSERT INTO 'socks' VALUES (53, 'KAPPA06', 'KAPPA', 'Navy', 'L', 6.00, 70);
INSERT INTO 'socks' VALUES (54, 'KAPPA07', 'KAPPA', 'Yellow', 'M', 9.00, 131);
INSERT INTO 'socks' VALUES (55, 'KAPPA08', 'KAPPA', 'White', 'S', 16.00, 154);
INSERT INTO 'socks' VALUES (56, 'KAPPA09', 'KAPPA', 'Navy', 'L', 10.00, 144);
INSERT INTO 'socks' VALUES (57, 'UMBRO01', 'UMBRO', 'White', 'M', 10.00, 119);
INSERT INTO 'socks' VALUES (58, 'UMBRO02', 'UMBRO', 'Navy', 'S', 18.00, 75);
INSERT INTO 'socks' VALUES (59, 'UMBRO03', 'UMBRO', 'White', 'M', 17.00, 74);
INSERT INTO 'socks' VALUES (60, 'UMBRO04', 'UMBRO', 'Black', 'S', 14.00, 86);
INSERT INTO 'socks' VALUES (61, 'UMBRO05', 'UMBRO', 'Yellow', 'M', 4.00, 83);
INSERT INTO 'socks' VALUES (62, 'UMBRO06', 'UMBRO', 'Navy', 'S', 5.00, 94);
INSERT INTO 'socks' VALUES (63, 'UMBRO07', 'UMBRO', 'White', 'M', 4.00, 98);
INSERT INTO 'socks' VALUES (64, 'UMBRO08', 'UMBRO', 'Black', 'L', 9.00, 65);
INSERT INTO 'socks' VALUES (65, 'UMBRO09', 'UMBRO', 'Navy', 'M', 8.00, 76);
INSERT INTO 'socks' VALUES (66, 'LOTTO01', 'LOTTO', 'Yellow', 'L', 11.00, 175);
INSERT INTO 'socks' VALUES (67, 'LOTTO02', 'LOTTO', 'Black', 'M', 8.00, 153);
INSERT INTO 'socks' VALUES (68, 'LOTTO03', 'LOTTO', 'White', 'L', 8.00, 143);
INSERT INTO 'socks' VALUES (69, 'LOTTO04', 'LOTTO', 'Navy', 'S', 9.00, 133);
INSERT INTO 'socks' VALUES (70, 'LOTTO05', 'LOTTO', 'Yellow', 'M', 9.00, 128);
INSERT INTO 'socks' VALUES (71, 'LOTTO06', 'LOTTO', 'Navy', 'M', 5.00, 126);
INSERT INTO 'socks' VALUES (72, 'LOTTO07', 'LOTTO', 'White', 'S', 6.00, 214);
INSERT INTO 'socks' VALUES (73, 'LOTTO08', 'LOTTO', 'Navy', 'S', 17.00, 241);
INSERT INTO 'socks' VALUES (74, 'UNIQLO01', 'UNIQLO', 'Black', 'S', 12.00, 56);
INSERT INTO 'socks' VALUES (75, 'UNIQLO02', 'UNIQLO', 'Black', 'S', 9.00, 59);
INSERT INTO 'socks' VALUES (76, 'UNIQLO03', 'UNIQLO', 'Black', 'M', 7.00, 60);
INSERT INTO 'socks' VALUES (77, 'UNIQLO04', 'UNIQLO', 'White', 'M', 5.00, 69);
INSERT INTO 'socks' VALUES (78, 'UNIQLO05', 'UNIQLO', 'White', 'M', 12.00, 96);
INSERT INTO 'socks' VALUES (79, 'UNIQLO06', 'UNIQLO', 'Navy', 'L', 11.00, 46);
INSERT INTO 'socks' VALUES (80, 'UNIQLO07', 'UNIQLO', 'Yellow', 'L', 7.00, 41);
INSERT INTO 'socks' VALUES (81, 'UNIQLO08', 'UNIQLO', 'White', 'L', 11.00, 243);
```

```
INSERT INTO 'socks' VALUES (82, 'UNIQLO09', 'UNIQLO', 'Navy', 'M', 8.00, 247);
INSERT INTO `socks` VALUES (83, 'ACICS01', 'ACICS', 'Navy', 'S', 11.00, 211);
INSERT INTO 'socks' VALUES (84, 'ACICS02', 'ACICS', 'White', 'S', 8.00, 222);
INSERT INTO 'socks' VALUES (85, 'ACICS03', 'ACICS', 'Black', 'S', 5.00, 221);
INSERT INTO 'socks' VALUES (86, 'ACICS04', 'ACICS', 'White', 'L', 6.00, 201);
INSERT INTO 'socks' VALUES (87, 'ACICS05', 'ACICS', 'Navy', 'M', 8.00, 208);
INSERT INTO 'socks' VALUES (88, 'ACICS06', 'ACICS', 'White', 'M', 9.00, 15);
INSERT INTO 'socks' VALUES (89, 'ACICS07', 'ACICS', 'Navy', 'L', 12.00, 26);
INSERT INTO 'socks' VALUES (90, 'ACICS08', 'ACICS', 'Black', 'M', 15.00, 28);
INSERT INTO 'socks' VALUES (91, 'ACICS09', 'ACICS', 'White', 'M', 17.00, 24);
INSERT INTO 'socks' VALUES (92, 'XTEP01', 'XTEP', 'Navy', 'S', 7.00, 28);
INSERT INTO 'socks' VALUES (93, 'XTEP02', 'XTEP', 'Navy', 'M', 11.00, 58);
INSERT INTO 'socks' VALUES (94, 'XTEP03', 'XTEP', 'Black', 'S', 12.00, 38);
INSERT INTO 'socks' VALUES (95, 'XTEP04', 'XTEP', 'Navy', 'M', 13.00, 217);
INSERT INTO 'socks' VALUES (96, 'XTEP05', 'XTEP', 'White', 'L', 11.00, 29);
INSERT INTO 'socks' VALUES (97, 'XTEP06', 'XTEP', 'Navy', 'L', 15.00, 82);
INSERT INTO 'socks' VALUES (98, 'XTEP07', 'XTEP', 'Yellow', 'M', 7.00, 92);
INSERT INTO 'socks' VALUES (99, 'XTEP08', 'XTEP', 'Black', 'S', 11.00, 78);
INSERT INTO 'socks' VALUES (100, 'XTEP09', 'XTEP', 'White', 'M', 3.00, 25);
SET FOREIGN KEY CHECKS = 1;
```

# **User Page PHP File**

```
<!DOCTYPE html>
<html>
<head>
  <title>User Page</title>
  <style>
     .mytable {
       border: 1px solid #A6C1E4;
       font-family: Arial;
       border-collapse: collapse;
     table th {
       border:1px solid black;
       background-color:#71c1fb;
       width:100px;
       height:20px;
       font-size:15px;
     }
     table td {
       border:1px solid #A6C1E4;
       text-align:center;
       height:15px;
       padding-top:5px;
     th, td, p, input {
       font: 14px Verdana;
     table, th, td {
       border: solid 1px #DDD;
       border-collapse: collapse;
       padding: 2px 3px;
       text-align: center;
     th {
```

```
font-weight: bold;
}
fieldset {
  width: 300px;
  margin-bottom: 10px;
fieldset fieldset{
  background-color: #FFEFD5;
}
label {
  text-align: left;
  display: inline-block;
  width: 95px;
}
button {
  padding: 8px;
  margin: 6px 0 0 6px;
  border-radius: 4px;
  box-shadow: 2px 2px 2px #333333;
  margin-bottom: 4px;
  font-size: 1.0em;
  width: 42px;
}
.field {
  width: 12.0em;
  font-size: 1.0em;
}
.button {
  background-color: #d9f57f;
  padding: 8px;
  margin: 6px 0 0 6px;
  border-radius: 4px;
  box-shadow: 2px 2px 2px #333333;
```

```
margin-bottom: 4px;
       font-size: 19px;
       width: 120px;
    }
     .button:hover {
       background-color: #03fcd7;
    }
  </style>
</head>
<body>
<?php
  error_reporting(0);
  $dbhost = 'localhost:3306';
  $dbuser = 'root';
  $dbpass = ";
  $conn = mysqli_connect($dbhost, $dbuser, $dbpass);
  if(! $conn )
  {
     die('mysqli_error: ' . mysqli_error($conn));
  mysqli_query($conn , "set names utf8");
  $sql = 'select * from socks ';
  $where = ";
  if($_GET['Brand'] || $_GET['Colour'] || $_GET['Size'] || $_GET['Min'] || $_GET['Max']){
     $where .= 'where';
     $Min = $_GET['Min'];
     $Max = $_GET['Max'];
     unset($_GET['Min'],$_GET['Max']);
     $i = 0;
     if($Min != "){
       $where .= " Price >= '{$Min}' and";
     if($Max != "){
       $where .= " Price <= '{$Max}' and";</pre>
```

```
foreach ($_GET as $k=>$v){
     $i++;
     $where .= '(';
     foreach ($v as $value){
       $where .= " `{$k}`='{$value}'";
       if(end($v) != $value){
         $where .= ' or';
       }
     }
     $where .= ')';
     if(\$i \ge 1) \$where .= 'and';
   $where = substr($where,0,strlen($where)-3);
 }
 if($where != ") $sql .= $where;
 mysqli_select_db( $conn, 'socks' );
 $retval = mysqli_query( $conn, $sql );
 if(!$retval)
 {
   die('mysqli_error: ' . mysqli_error($conn));
 echo '<caption
style="font-size: 30px;margin-bottom: 10px">Sock World</caption>
ItemIDStock
':
 while($row = mysqli_fetch_array($retval, MYSQLI_ASSOC))
 {
   echo "{$row['ItemID']}".
     "{$row['Brand']}  ".
     "{$row['Colour']}  ".
     "{$row['Size']}  ".
     "{$row['Price']}  ".
```

```
"{$row['Stock']}  ".
       "";
  echo '';
// mysqli_close($conn);
?>
<div style="float: left;position: fixed">
  <a style="font-size: 20px;color: #ff2222" href="">Home</a>
  <a style="font-size: 20px; margin-left: 40px;color: #000" href="Admin.php">Admin</a>
  <fieldset style="margin-top: 10px">
     <le>egend>User Page</legend></le>
     <form action="" method="get">
       <fieldset>
            <legend>Brand</legend>
            <?php
              if($where != "){
                 $where = substr($where,5);
              $sql = "select Brand,";
              if($where != "){
                 $sql .= "COUNT(CASE WHEN {$where} THEN 1 ELSE NULL END) as count";
              }else{
                 $sql .= "count(1) as count";
              $sql .= " from socks group by Brand";
              $retval = mysqli_query( $conn, $sql );
              if(!$retval)
                 die('mysqli_error: ' . mysqli_error($conn));
              while($row = mysqli_fetch_array($retval, MYSQLI_ASSOC))
                 if(is_array($_GET["Brand"]) && in_array($row['Brand'],$_GET["Brand"])){
```

```
$checked = 'checked=checked';
                 }else{
                    $checked = ";
                 }
                echo "<input type='checkbox' id='{$row['Brand']}' name = Brand[]</pre>
value='{$row['Brand']}' {$checked}/>({$row['count']})
                    <label for='{$row['Brand']}'>{$row['Brand']}</label><br>";
              }
            ?>
       </fieldset>
       <fieldset>
            <legend>Colour</legend>
            <?php
            $sql = "select Colour,";
            if ($where != ") {
              $sql .= "COUNT(CASE WHEN {$where} THEN 1 ELSE NULL END) as count";
            } else {
              $sql .= "count(1) as count";
            $sql .= " from socks group by Colour";
            $retval = mysqli_query($conn, $sql);
            if(!$retval)
            {
              die('mysqli_error: ' . mysqli_error($conn));
            }
            while($row = mysqli_fetch_array($retval, MYSQLI_ASSOC))
            {
              if(is_array($_GET["Colour"]) && in_array($row['Colour'],$_GET["Colour"])){
                 $checked = 'checked=checked';
              }else{
                 $checked = ";
```

```
echo "<input type='checkbox' id='{$row['Colour']}' name = Colour[]</pre>
value='{$row['Colour']}' {$checked}/>({$row['count']})
                     <label for='{$row['Colour']}'>{$row['Colour']}</label><br>";
            }
             ?>
       </fieldset>
       <fieldset>
            <legend>Size</legend>
            <?php
               $sql = "select Size,";
               if ($where != ") {
                 $sql .= "COUNT(CASE WHEN {$where} THEN 1 ELSE NULL END) as count";
               } else {
                 $sql .= "count(1) as count";
               }
               $sql .= " from socks group by Size";
               $retval = mysqli_query( $conn, $sql );
               if(!$retval)
                 die('mysqli_error: ' . mysqli_error($conn));
               while($row = mysqli_fetch_array($retval, MYSQLI_ASSOC))
                 if(is_array($_GET["Size"]) && in_array($row['Size'],$_GET["Size"])){
                    $checked = 'checked=checked';
                 }else{
                    $checked = ";
                 }
                 echo "<input type='checkbox' id='{$row['Size']}' name = Size[]</pre>
value='{$row['Size']}' {$checked}/>({$row['count']})
                       <label for='{$row['Size']}'>{$row['Size']}</label><br>";
               }
             ?>
       </fieldset>
```

```
<fieldset>
         <le>egend>Price Range</legend></le>
           <label for="minPrice">From:</label>
           <input type="text" id="minPrice" name="Min" placeholder="Min" value="<?php echo</pre>
$Min?>"/><br>
           <label for="maxPrice">To:</label>
           <input type="text" id="maxPrice" name="Max" placeholder="Max" value="<?php</pre>
echo $Max?>"/>
      </fieldset>
       <input type="submit" id="colourFilter" value="Confirm"/>
       <input type="button" id="clears" onclick="myFunction()" value="Clear All"/>
    </form>
  </fieldset>
</div>
<script>
  function myFunction(){
    var href = "<?php echo "http://".$_SERVER['HTTP_HOST'].$_SERVER['PHP_SELF'];?>";
    location.href = href:
 }
</script>
</body>
<?php
  foreach ($_POST as $key=>$value){
    if($value == "){
       echo "<script>alert('{$key} value is empty')</script>";
      exit();
    }
  if($_POST['type']){
    switch ($_POST['type']){
```

```
case 'add':
          $sql = "insert into socks (`ItemID`, `Brand`, `Colour`, `Size`, `Price`, `Stock`) values
('{$_POST['ItemID']}','{$_POST['brand']}','{$_POST['colour']}','{$_POST['size']}','{$_POST['price']}','
{$_POST['stock']}')";
          $res = mysqli_query( $conn, $sql );
          if(!$res)
            die('mysqli_error: ' . mysqli_error($conn));
          }
          break;
       case 'update':
          existItemID($conn);
          $sql = "update socks set `ItemID`='{$_POST['ItemID']}', `Brand`='{$_POST['brand']}',
`Colour`='{$_POST['colour']}', `Size`='{$_POST['size']}', `Price`='{$_POST['price']}',
`Stock`='{$_POST['stock']}' where ItemID='{$_POST['ItemID']}'";
          $retval = mysqli_query( $conn, $sql );
          if(!$retval)
          {
            die('mysqli_error: ' . mysqli_error($conn));
          }
          break;
        case 'delete':
          existItemID($conn);
          $sql = "delete from socks where `ItemID`='{$_POST['ItemID']}'";
          $retval = mysqli_query( $conn, $sql );
          if(!$retval)
          {
             die('mysqli_error: ' . mysqli_error($conn));
          }
          break;
     }
     echo "<script>alert('{$_POST['type']} operation succeeded')</script>";
     echo "<script language=\"javascript\">location.href=location.href;</script>";
     exit();
```

```
function existItemID($conn){
    $sql = "select count(1) as count from socks where `ItemID`='{$_POST['ItemID']}'";
    $retval = mysqli_query( $conn, $sql );
    if(!$retval)
    {
        die('mysqli_error: ' . mysqli_error($conn));
    }
    $socks = mysqli_fetch_array($retval,MYSQLI_ASSOC);
    if($socks['count'] < 1){

        echo "<script>alert('Please input correct ItemID')</script>";
        echo "<script language=\"javascript\">location.href=location.href;</script>";
        exit();
    }
}

/>
//html>
```

# **Admin Page PHP File**

```
<!DOCTYPE html>
<html>
<head>
  <title>Admin Page</title>
  <style>
     .mytable {
       border: 1px solid #A6C1E4;
       font-family: Arial;
       border-collapse: collapse;
     table th {
       border:1px solid black;
       background-color:#71c1fb;
       width:100px;
       height:20px;
       font-size:15px;
     }
     table td {
       border:1px solid #A6C1E4;
       text-align:center;
       height:15px;
       padding-top:5px;
     th, td, p, input {
       font: 14px Verdana;
     table, th, td {
       border: solid 1px #DDD;
       border-collapse: collapse;
       padding: 2px 3px;
       text-align: center;
     th {
```

```
font-weight: bold;
}
fieldset {
  width: 300px;
  margin-bottom: 10px;
fieldset fieldset{
  background-color: #FFEFD5;
}
label {
  text-align: left;
  display: inline-block;
  width: 95px;
}
button {
  padding: 8px;
  margin: 6px 0 0 6px;
  border-radius: 4px;
  box-shadow: 2px 2px 2px #333333;
  margin-bottom: 4px;
  font-size: 1.0em;
  width: 42px;
}
.field {
  width: 12.0em;
  font-size: 1.0em;
}
.button {
  background-color: #d9f57f;
  padding: 8px;
  margin: 6px 0 0 6px;
  border-radius: 4px;
  box-shadow: 2px 2px 2px #333333;
```

```
margin-bottom: 4px;
       font-size: 19px;
       width: 120px;
     }
     .button:hover {
       background-color: #03fcd7;
     }
  </style>
</head>
<body>
<?php
error_reporting(0);
$dbhost = 'localhost:3306';
$dbuser = 'root';
$dbpass = ";
$conn = mysqli_connect($dbhost, $dbuser, $dbpass);
if(! $conn )
  die('mysqli_error: ' . mysqli_error($conn));
mysqli_query($conn , "set names utf8");
$sql = 'select * from socks ';
$where = ";
if($_GET['Brand'] || $_GET['Colour'] || $_GET['Size'] || $_GET['Min'] || $_GET['Max']){
  $where .= 'where';
  $Min = $_GET['Min'];
  $Max = $_GET['Max'];
  unset($_GET['Min'],$_GET['Max']);
  $i = 0;
  if($Min != "){
     $where .= " Price >= '{$Min}' and";
  if($Max != "){
     $where .= " Price <= '{$Max}' and";</pre>
```

```
foreach ($_GET as $k=>$v){
   $i++;
   $where .= '(';
   foreach ($v as $value){
     $where .= " `{$k}`='{$value}'";
     if(end($v) != $value){
       $where .= ' or';
     }
   }
   $where .= ')';
   if(\$i \ge 1) \$where .= 'and';
 $where = substr($where,0,strlen($where)-3);
if($where != ") $sql .= $where;
mysqli_select_db( $conn, 'socks' );
$retval = mysqli_query( $conn, $sql );
if(!$retval)
 die('mysqli_error: ' . mysqli_error($conn));
echo '<caption
style="font-size: 30px;margin-bottom: 10px">Sock World</caption>
ItemIDStock
':
while($row = mysqli_fetch_array($retval, MYSQLI_ASSOC))
 echo " {$row['ItemID']} ".
   "{$row['Brand']}  ".
   "{$row['Colour']}  ".
   "{$row['Size']}  ".
   "{$row['Price']} ".
```

```
"{$row['Stock']}  ".
    "";
echo '';
// mysqli_close($conn);
?>
<div style="float: left;position: fixed">
  <a style="font-size: 20px;color: #000" href="table.php">Home</a>
  <a style="font-size: 20px; margin-left: 40px;color: #ff2222" href="Admin.php">Admin</a>
  <fieldset style="margin-top: 10px">
     <le>elegend>Admin Page</legend></le>
     <fieldset>
       <form action="" method="post">
         <le>egend>Add Item</legend>
         <label for="ItemID">ItemID</label>
         <input type="text" name="ItemID"><br>
         <label for="brand">Brand</label>
         <input type="text" name="brand"><br>
         <label for="colour">Colour</label>
         <input type="text" name="colour"><br>
         <label for="size">Size</label>
          <input type="text" name="size"><br>
         <label for="price">Price</label>
         <input type="text" name="price"><br>
         <label for="stock">Stock</label>
         <input type="text" name="stock"><br>
         <input type="hidden" name="type" value="add">
          <input type="submit" name="addItem" value="ADD">
       </form>
     </fieldset>
     <fieldset>
       <form action="" method="post">
         <le>egend>Update Item</legend></le>
          <label for="ItemID">ItemID</label>
```

```
<input type="text" name="ItemID"><br>
         <label for="brand">Brand</label>
         <input type="text" name="brand"><br>
         <label for="colour">Colour</label>
         <input type="text" name="colour"><br>
         <label for="size">Size</label>
         <input type="text" name="size"><br>
         <label for="price">Price</label>
         <input type="text" name="price"><br>
         <label for="stock">Stock</label>
         <input type="text" name="stock"><br>
         <input type="hidden" value="update" name="type">
         <input type="submit" name="updateItem" value="UPDATE">
      </form>
    </fieldset>
    <fieldset>
       <form action="" method="post">
         <le>elegend>Delete Item</legend>
         <label for="ItemID">ItemID</label>
         <input type="text" name="ItemID"><br>
         <input type="hidden" value="delete" name="type">
         <input type="submit" name="deleteItem" value="DELETE">
       </form>
    </fieldset>
  </fieldset>
</div>
</body>
<?php
foreach ($_POST as $key=>$value){
  if($value == "){
    if($_POST['updateItem'] != 'UPDATE' || $_POST['ItemID'] == "){
```

```
echo "<script>alert('{$key} value is empty')</script>";
        exit();
    }
  }
if($_POST['type']){
  switch ($_POST['type']){
     case 'add':
        $sql = "insert into socks (`ItemID`, `Brand`, `Colour`, `Size`, `Price`, `Stock`) values
('{$_POST['ItemID']}','{$_POST['brand']}','{$_POST['colour']}','{$_POST['size']}','{$_POST['price']}','
{$_POST['stock']}')";
        $res = mysqli_query( $conn, $sql );
        if(!$res)
        {
          die('mysqli_error: ' . mysqli_error($conn));
       }
        break;
     case 'update':
        existItemID($conn);
        $sql = "update socks set ";
        if($_POST['ItemID'] != "){
          $sql .= " `ItemID`='{$_POST['ItemID']}',";
       }
        if($_POST['brand'] != "){
          $sql .= " `Brand`='{$_POST['brand']}',";
       }
        if($_POST['colour'] != "){
          $sql .= " `Colour`='{$_POST['colour']}',";
       }
        if($_POST['size'] != "){
          $sql .= " `Size`='{$_POST['size']}',";
        if($_POST['price'] != "){
          $sql .= " `Price`='{$_POST['price']}',";
```

```
}
       if($_POST['stock'] != "){
          $sql .= " `Stock`='{$_POST['stock']}',";
       }
       sql = substr(sql,0,strlen(sql)-1);
       $sql .= "where ItemID='{$ POST['ItemID']}'";
       $retval = mysqli_query( $conn, $sql );
       if($retval === false)
          die('mysqli_error: ' . mysqli_error($conn));
       }
       break:
     case 'delete':
       existItemID($conn);
       $sql = "delete from socks where `ItemID`='{$_POST['ItemID']}'";
       $retval = mysqli_query( $conn, $sql );
       if(!$retval)
          die('mysqli_error: ' . mysqli_error($conn));
       }
       break;
  $content = $_POST['type'].':'.$sql.";
  file_put_contents('logs.txt',date('Y-m-d H:i:s')."\r\n",FILE_APPEND);
  file_put_contents('logs.txt',$content."\r\n",FILE_APPEND);
  file_put_contents('logs.txt',"------
   -----"."\r\n",FILE_APPEND);
  echo "<script>alert('{$_POST['type']} operation succeeded')</script>";
  echo "<script language=\"javascript\">location.href=location.href;</script>";
  exit();
function existItemID($conn){
  $sql = "select count(1) as count from socks where `ItemID`='{$_POST['ItemID']}'";
  $retval = mysqli_query( $conn, $sql );
```

```
if(!$retval)
{
    die('mysqli_error: ' . mysqli_error($conn));
}
$socks = mysqli_fetch_array($retval,MYSQLI_ASSOC);
if($socks['count'] < 1){

    echo "<script>alert('Please input correct ItemID')</script>";
    echo "<script language=\"javascript\">location.href=location.href;</script>";
    exit();
}
}

/html>
```