

```
1 <?php
2 $host = "localhost:3306";
3 $username = "root";
4 $password = "";
5 $database = "mydb";
6
7 /**
8  * Create connection
9  */
10 $conn = new mysqli($host, $username, $password, $database);
11
12 if ($conn->connect_error) {
13     die("Connection failed: " . $conn->connect_error);
14 }
```

```
1 <?php
2
3 include_once 'dbh.inc.php';
4
5 if (isset($_GET['supplier_id'])) {
6     $supplier_id = $_GET['supplier_id'];
7
8     // Fetch records from the drugs table based on the supplier_id
9     $sql = "SELECT * FROM drug WHERE supplierID = " . $supplier_id;
10    $stmt = $conn->prepare($sql);
11    $stmt->execute();
12    $result = $stmt->get_result();
13
14    $options = "";
15
16    // If records are found, create option elements
17    if ($result->num_rows > 0) {
18        // Output data of each row
19        while ($row = $result->fetch_assoc()) {
20            $alltext = $row["drugID"] . "|" . $row["brandName"] . "|" . $row["genericName"] . "|" . $row["form"] . "|" .
21            $row["strength"] . "|" . $row["usageInstructions"] . "|" . $row["sideEffects"];
22            $options .= '<option value="' . $alltext . '">' . $row["brandName"] .
23            '</option>';
24        } else {
25            $options = '<option value="">No records found</option>';
26        }
27
28        // Close the connection and output the options
29        $conn->close();
30        echo $options;
31    }
```

```

1  <?php
2
3  /*
4   * Select a supplier
5   * Display drugs from the chosen supplier
6   * Select a drug to reorder
7   * Enter the reorder quantity
8   * Print the reorder letter
9   * Update the Order Table and Order Item Table
10  * Repeat the process for a different supplier
11  */
12
13  include_once 'dbh.inc.php';
14
15  if (isset($_POST['submitted'])) {
16
17      $supplierId = $_POST['supplierID'];
18      $drugId = $_POST['drugID'];
19      $quantity = $_POST['amount'];
20      $totalCost = getOrderCost($conn, $quantity, $drugId);
21      $orderId = getNextOrderID($conn);
22      $date = date("Y-m-d");
23      $time = date("H:i:s");
24
25      // validate that the quantity is not empty or less than 1.
26      if (empty($quantity) || $quantity < 1) {
27          header("Location: ../reorder.php?error=bad-quantity");
28          exit();
29      }
30
31      // validate that the quantity is an integer.
32      if (!is_numeric($quantity)) {
33          header("Location: ../reorder.php?error=bad-quantity");
34          exit();
35      }
36
37      $stmt = $conn->prepare("INSERT INTO orders (orderId, supplierID, date
, time, cost, paid) VALUES (?, ?, ?, ?, ?, 0)");
38      $stmt->bind_param("iissi", $orderId, $supplierId, $date, $time, $totalCost
);
39      $stmt->execute();
40      $stmt->close();
41
42      header("Location: ../reorder.php?error=none");

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43
44 }
45
46 // This function is used to get the next orderID manually from the database.
47 function getNextOrderID($con): int {
48     $stmt = $con->prepare("SELECT MAX(orderID) FROM orders");
49     $stmt->execute();
50     $result = $stmt->get_result();
51     $next = $result->fetch_row()[0] + 1;
52     $stmt->close();
53     return $next;
54 }
55
56 // This function is used to get the cost of an order based on the costPrice
column * the quantity.
57 function getOrderCost($con, $quantity, $drugId): float {
58     $stmt = $con->prepare("SELECT costPrice FROM drug WHERE drugID
59     = ?");
60     $stmt->bind_param("i", $drugId);
61     $stmt->execute();
62     $result = $stmt->get_result();
63     $price = $result->fetch_row()[0];
64     return (float) $price * $quantity;
65 }
```

```
1 <?php
2
3 include_once 'dbh.inc.php';
4
5 function getSupplierOptions()
6 {
7     global $conn;
8     $query = "SELECT * FROM suppliers WHERE deleted = 0";
9     $stmt = $conn->prepare($query);
10    $stmt->execute();
11    $result = $stmt->get_result();
12
13    $options = "";
14
15    if ($result->num_rows > 0) {
16        while ($row = $result->fetch_assoc()) {
17            $suppld = $row['supplierID'];
18            $name = $row['supplierName'];
19            $address = $row['address'];
20            $email = $row['email'];
21            $website = $row['website'];
22            $telephone = $row['telephone'];
23            $infoString = "$suppld|$name|$address|$email|$website|$telephone";
24            $options .= "<option value=\"$infoString\">$name</option>";
25        }
26    } else {
27        $options = '<option value="">No records found</option>';
28    }
29
30    return $options;
31 }
```

```
1 <?php
2
3 include_once("dbh.inc.php");
4
5 $id = $_POST['id'];
6 $name = $_POST['name'];
7 $address = $_POST['address'];
8 $email = $_POST['email'];
9 $website = $_POST['website'];
10 $telephone = $_POST['telephone'];
11
12 $stmt = $conn->prepare("UPDATE suppliers SET supplierName = ?,
    address = ?, email = ?, website = ?, telephone = ? WHERE supplierID
    = ? AND deleted = 0");
13 $stmt->bind_param("sssssi", $name, $address, $email, $website,
    $telephone, $id);
14 $stmt->execute();
15
16 if ($stmt->affected_rows == 1) {
17     header("Location: ../amendview.php?amend=success");
18 } else {
19     header("Location: ../amendview.php?amend=failed");
20 }
```

```
1 <?php
2
3 include_once('dbh.inc.php');
4 include_once('addsupplier.functions.php');
5
6 if (isset($_POST['submit'])) {
7
8     if (emptyInputs()) {
9         header("location: ../addsupplier.php" . createErrorMessage("
emptyinput"));
10        exit();
11    }
12
13    if (invalidName()) {
14        header("location: ../addsupplier.php" . createErrorMessage("
invalidname"));
15        exit();
16    }
17
18    if (invalidAddress()) {
19        header("location: ../addsupplier.php" . createErrorMessage("
invalidaddress"));
20        exit();
21    }
22
23    if (invalidEmail()) {
24        header("location: ../addsupplier.php" . createErrorMessage("
invalidemail"));
25        exit();
26    }
27
28    if (invalidTelephone()) {
29        header("location: ../addsupplier.php" . createErrorMessage("
invalidphone"));
30        exit();
31    }
32
33    if (invalidWebsite()) {
34        header("location: ../addsupplier.php" . createErrorMessage("
invalidwebsite"));
35        exit();
36    }
37
38    $stmt = $conn->prepare("SELECT MAX(supplierID) as id FROM
```

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38 suppliers");
39     $stmt->execute();
40     $result = $stmt->get_result();
41
42     if ($result->num_rows > 0) {
43         while ($row = $result->fetch_assoc()) {
44             $id = $row['id'];
45         }
46     }
47
48     $id = $id + 1;
49
50     $supplierName = $_POST['supplierName'];
51     $email = $_POST['email'];
52     $address = $_POST['address'];
53     $website = $_POST['website'];
54     $telephone = $_POST['telephone'];
55
56     $stmt = $conn->prepare("INSERT INTO suppliers (supplierID,
supplierName, email, address, website, telephone, deleted) VALUES
(?, ?, ?, ?, ?, ?, 0)");
57     $stmt->bind_param("isssss", $id, $supplierName, $email, $address,
    $website, $telephone);
58     $stmt->execute();
59
60     // check for error
61     if ($stmt->error) {
62         header("location: ../addsupplier.php?error=stmtfailed");
63         exit();
64     }
65
66     $stmt->close();
67     header("location: ../addsupplier.php?error=none");
68     exit();
69 }
```



```

1  <?php
2  include_once 'dbh.inc.php';
3
4  if (isset($_POST['submitted'])) {
5      // Check if not deleted
6      $id = $_POST['id'];
7      $sql = "SELECT supplierID FROM suppliers WHERE deleted = 0 AND
      supplierID = ?";
8      $stmt = $conn->prepare($sql);
9      $stmt->bind_param("i", $id);
10     $stmt->execute();
11     $result = $stmt->get_result();
12
13     if (hasOrder($conn, $id)) {
14         header("Location: ../deletesupplier.php?delete=has-order");
15         exit();
16     }
17
18     if (hasStock($conn, $id)) {
19         header("Location: ../deletesupplier.php?delete=has-stock");
20         exit();
21     }
22
23     if ($result->num_rows > 0) {
24         while ($row = $result->fetch_assoc()) {
25             if ($id == $row['supplierID']) {
26                 $stmt = $conn->prepare("UPDATE suppliers SET deleted = 1
                WHERE supplierID = ?");
27                 $stmt->bind_param("i", $id);
28                 $stmt->execute();
29                 header("Location: ../deletesupplier.php?delete=success");
30             } else {
31                 header("Location: ../deletesupplier.php?delete=failed");
32             }
33         }
34
35         $stmt->close();
36         exit();
37     }
38 }
39
40 function hasOrder($con, $id): bool {
41     $stmt = $con->prepare("SELECT supplierID FROM orders WHERE
    supplierID = ? AND paid = 0");

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```
42  $stmt->bind_param("i", $id);
43  $stmt->execute();
44  $result = $stmt->get_result();
45  $stmt->close();
46  return $result->num_rows > 0;
47 }
48
49 function hasStock($con, $id): bool {
50     $stmt = $con->prepare("SELECT supplierID FROM counterstock
    WHERE supplierID = ?");
51     $stmt->bind_param("i", $id);
52     $stmt->execute();
53     $result = $stmt->get_result();
54     $stmt->close();
55     return $result->num_rows > 0;
56 }
```

```

1  <?php
2
3  include_once 'dbh.inc.php';
4
5  function createErrorMessage($error): string
6  {
7      return "?error=$error&supplierName=" . $_POST['supplierName'] . "&
      email=" . $_POST['email'] . "&address=" . $_POST['address'] . "&website
      =" . $_POST['website'] . "&telephone=" . $_POST['telephone'];
8  }
9
10 function emptyInputs(): bool
11 {
12     $result = false;
13     if (empty($_POST['supplierName']) || empty($_POST['email']) || empty(
        $_POST['address']) || empty($_POST['website']) || empty($_POST['
        telephone'])) {
14         $result = true;
15     }
16     return $result;
17 }
18
19 function invalidEmail(): bool
20 {
21     $result = false;
22     if (!filter_var($_POST['email'], FILTER_VALIDATE_EMAIL)) {
23         $result = true;
24     }
25     return $result;
26 }
27
28 function invalidTelephone(): bool
29 {
30     $result = false;
31     if (!preg_match("/^[0-9]{2,3}\s[0-9]{7,10}$|^([0-9]{2,3})\s[0-9]{7,10}$
        |[0-9]{9,13}$|^[0-9]{3,4}[0-9]{9,13}$|^[0-9]{2,3}-[0-9]{3,4}-[0-9]{4,6}$|^([0
        -9]{3})\s+[0-9]{3}\s+[0-9]{4}$/", $_POST['telephone'])) {
32         $result = true;
33     }
34     return $result;
35 }
36
37 function invalidWebsite(): bool
38 {

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```
39     return !preg_match("/^[a-zA-Z0-9-]+\.[a-zA-Z]{2,4}$/", $_POST['website']
40     );
41 }
42 function invalidName(): bool
43 {
44     return !preg_match("/^[a-zA-Z0-9\s, '\. \-!]+$/", $_POST['supplierName']);
45 }
46
47 function invalidAddress(): bool
48 {
49     return !preg_match("/^[a-zA-Z0-9\s, '\. \-!]+$/", $_POST['address']);
50 }
51
52 function check(): void
53 {
54     if (isset($_GET['error'])) {
55         $err = $_GET['error'];
56
57         if ($err === "emptyinput") {
58             echo '<p class="error">Please fill in all fields.</p>';
59             return;
60         }
61
62         if ($err === "invalidname") {
63             echo '<p class="error">Invalid name.</p>';
64             return;
65         }
66
67         if ($err === "invalidaddress") {
68             echo '<p class="error">Invalid address.</p>';
69             return;
70         }
71
72         if ($err === "invalidemail") {
73             echo '<p class="error">Invalid email address.</p>';
74             return;
75         }
76
77         if ($err === "invalidwebsite") {
78             echo '<p class="error">Invalid website address.</p>';
79             return;
80         }
81 }
```

```
82     if ($err === "invalidphone") {
83         echo '<p class="error">Invalid phone number.</p>';
84         return;
85     }
86
87     if ($err === 'none') {
88         echo '<p class="success">Updates have been saved!</p>';
89     }
90 }
91 }
```