**Web Interface:**

In php Post method helps to collect/submit data from HTML form using a global variable

The isset function in PHP is used to determine whether a variable is set or not.

**Part 1:**

Connection to a database

Server name is the servername of the Xampp which is localhost

Username is the root

And password is the empty string

The database name is Arlington Sprouts where we created it in xampp’s localhost server

<?php

//connect to database

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "ArlingtonSprouts";

**Part 2 :**

The connection is established by the following line

$conn = new mysqli($servername, $username, $password, $dbname);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

**Part 3:**

Query to search the item in the database and give its output in the form of table

if(isset($\_POST['search'])){

$search = $\_POST['search'];

//query to retrieve ITEM details

$sql = "SELECT \* FROM ITEM WHERE Iname='$search' OR iId='$search'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

//output retrieved ITEM details

echo "<table>";

echo "<tr><th>Name</th><th>ID</th><th>Price</th></tr>";

while($row = $result->fetch\_assoc()) {

echo "<tr><td>" . $row["Iname"]. "</td><td>" . $row["iId"]. "</td><td>" . $row["Sprice"]. "</td></tr>";

}

echo "</table>";

} else {

echo "<center> No results found. </center>";

}

}

**Part 4:**

Query to insert a new record in the table

if(isset($\_POST['insert'])){

$id = $\_POST['id'];

$name = $\_POST['name'];

$price = $\_POST['price'];

//query to insert new ITEM

$sql = "INSERT INTO ITEM (iId,Iname, Sprice) VALUES ('$id','$name', '$price')";

if ($conn->query($sql) === TRUE) {

echo "<p class='success'><center>New ITEM added successfully.</center></p>";

} else {

echo "<p class='error'>Error: " . $sql . "<br>" . $conn->error . "</p>";

}

}

**Part 5:**

Query to update the record in the table

if(isset($\_POST['update'])){

$id = $\_POST['id'];

$name = $\_POST['name'];

//query to update ITEM record

$sql = "UPDATE ITEM SET Iname='$name' WHERE iId='$id'";

if ($conn->query($sql) === TRUE) {

echo "<p class='success'><center>ITEM record updated successfully.</center></p>";

} else {

echo "<p class='error'>Error: " . $sql . "<br>" . $conn->error . "</p>";

}

}

**Part 6:**

Query to delete the record in table

if(isset($\_POST['delete'])){

$id = $\_POST['id'];

//query to delete ITEM record

$sql = "DELETE FROM ITEM WHERE iId='$id'";

if ($conn->query($sql) === TRUE) {

echo "<p class='success'><center>ITEM record deleted successfully.</center></p>";

} else {

echo "<p class='error'>Error: " . $sql . "<br>" . $conn->error . "</p>";

}

}

CSS and HTML is used to make the webpage more attractive and presentable.

Here are the screenshots of the operations performed using this web interface.

Q1. Display the ITEM details based on any one of the following: item name or Item Id

Graphical user interface, website

Description automatically generated

Q2. Insert a new item “Carot Sprouts” in the Arlington Sprouts database using the web interface you created

Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Q3. Update the item record that you just added “Carot Sprouts” to “Carrot Sprouts” using the web interface you created

Graphical user interface, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Q4. Delete the item record “Carrot Sprouts” that you just added using the web interface you created.

Graphical user interface, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated