

# UI DESIGN FOR WEB BASED PLATFORM

## CRUD

Operation	SQL	HTTP
Create	INSERT	PUT / POST
Read (Retrieve)	SELECT	GET
Update (Modify)	UPDATE	PUT / POST / PATCH
Delete (Destroy)	DELETE	DELETE

Ref: [https://en.wikipedia.org/wiki/Create,\\_read,\\_update\\_and\\_delete](https://en.wikipedia.org/wiki/Create,_read,_update_and_delete)

## CODE SETUP

XAMPP: [Download](#) and install

Run in PHPMyAdmin, the script: \_create\_db.txt

Copy the “crud” folder in “htdocs” folder of XAMPP

Visit <http://localhost/crud>

## SCREEN SHOTS

### WEB PAGE # 1

# Apache PHP MySQL

Database: db0

Table: t0

Click [here](#) to view the table

### WEB PAGE # 2

f0	f1	Delete	Update
v00	v01	<a href="#">Delete</a>	<a href="#">Update</a>
v10	v11	<a href="#">Delete</a>	<a href="#">Update</a>

[Insert a new record](#)

### WEB PAGE # 3

## Insert Record

f0:

f1:

f0	f1	Delete	Update
v00	v01	<a href="#">Delete</a>	<a href="#">Update</a>
v10	v11	<a href="#">Delete</a>	<a href="#">Update</a>
v20	v21	<a href="#">Delete</a>	<a href="#">Update</a>

[Insert a new record](#)

[http://localhost/crud/update\\_input.php?id=3&f0=v20&f1=v21](http://localhost/crud/update_input.php?id=3&f0=v20&f1=v21)

## Update Record

f0:   
f1:

f0	f1	Delete	Update
v00	v01	<a href="#">Delete</a>	<a href="#">Update</a>
v10	v11	<a href="#">Delete</a>	<a href="#">Update</a>
v20 new	v21 new	<a href="#">Delete</a>	<a href="#">Update</a>

[Insert a new record](#)

## SOURCE CODE

### HOME PAGE

```
<h1>Apache PHP MySQL</h1>
```

```
Database: db0<br>
```

```
Table: t0<br><br>
```

```
Click <a href=select.php>here</a> to view the table
```

### CRUD: CREATE (INSERT\_INPUT.PHP)

```
<h1>Insert Record</h1>
```

```
<form method=get action=insert_result.php>
    f0: <input type=text name=f0> <br>
    f1: <input type=text name=f1> <br>
    <p>
        <input type=submit value=Insert>
    </form>
```

### CRUD: CREATE (INSERT\_RESULT.PHP)

```
<?
    $f0 = $_GET[f0];
    $f1 = $_GET[f1];

    $connect = mysql_connect("localhost", "root", "" )
        or die("Can not connect");

    mysql_select_db("db0")
        or die("Can not select database");

    mysql_query( "INSERT INTO t0 VALUES ( ', '$f0', '$f1' )" )
        or die("Can not execute query");

    echo "Record inserted:<br> f0 = $f0 <br> f1 = $f1";

    echo "<p><a href=select.php>View all records</a>";
?>
```

## CRUD: READ (SELECT.PHP)

```
<?
    $connect = mysql_connect("localhost", "root", "" )
        or die("Can not connect");

    mysql_select_db("db0")
        or die("Can not select database");

    $results = mysql_query( "SELECT * FROM t0" )
        or die("Can not execute query");

    echo "<table border> \n";
    echo "<th>f0</th> <th>f1</th> <th>Delete</th> <th>Update</th> \n";

    while( $rows = mysql_fetch_array( $results ) ) {
        extract( $rows );
        echo "<tr>";
        echo "<td> $f0 </td>";
        echo "<td> $f1 </td>";
        echo "<td> <a href = 'delete.php?id=$id'> Delete </a> </td>";
        echo "<td> <a href = 'update_input.php?id=$id&f0=$f0&f1=$f1'> Update </a> </td>";
        echo "</tr> \n";
    }

    echo "</table> \n";

    echo "<p><a href=insert_input.php>Insert a new record</a>";
?>
```

## CRUD: UPDATE (UPDATE\_INPUT.PHP)

```
<?
    $id = $_GET[id];
    $f0 = $_GET[f0];
    $f1 = $_GET[f1];
?>

<h1>Update Record</h1>

<form method=get action=update_result.php>

    <input type=hidden name=id value='<? echo $id; ?>'> <br>

    f0: <input type=text name=f0 value='<? echo $f0; ?>'> <br>
    f1: <input type=text name=f1 value='<? echo $f1; ?>'> <br>
    <p>
        <input type=submit value=Update>
</form>
```

## CRUD: UPDATE (UPDATE\_RESULT.PHP)

```
<?
    $id = $_GET[id];
    $f0 = $_GET[f0];
    $f1 = $_GET[f1];

    $connect = mysql_connect("localhost", "root", "" )
        or die("Can not connect");

    mysql_select_db("db0")
        or die("Can not select database");

    $query = "UPDATE t0 SET f0='$f0', f1='$f1' WHERE id = $id";
    echo $query;

    mysql_query( $query )
        or die("Can not execute query");

    echo "<p>Record updated:<br> f0 = $f0 <br> f1 = $f1";

    echo "<p><a href=select.php>View all records</a>";
?>
```

## CRUD: DELETE (DELETE.PHP)

```
<?
    $id = $_GET[id];

    $connect = mysql_connect("localhost", "root", "" )
        or die("Can not connect");

    mysql_select_db("db0")
        or die("Can not select database");

    mysql_query( "DELETE FROM t0 WHERE id=$id" )
        or die("Can not execute query");

    echo "Record deleted<br>";

    echo "<p><a href=select.php>View all records</a>";
?>
```