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"CRUD AJAX JQUERY ACTIVITY – Documentation"


```
<script type="text/javascript">
    $(document).ready(function(){
    showAllName();
    //View Record
    function showAllName(){
        $.ajax({
        url : "config/dbsend.php",
        type: "POST",
        data : {action:"view"},
        success:function(response){
            $("#tableData").html(response);        //shows all Student in table at the foodadd php file and passes it to a div
            class named table
            $("table").DataTable({
                order:[0, 'DESC']
            });
            }
        });
    }
    //insert ajax request data
    $("#submit").click(function(e){
        if ($("#formData")[0].checkValidity()) { //if submit is clicked the form is checked and is then redirected to a url
        in form data that allows it to pass the
        e.preventDefault();                        //values to a sql query and then hides the modal automatically
        $.ajax({
        url : "config/dbsend.php",
        type : "POST",
        data : $("#formData").serialize()+"&action=insert",
        success:function(response){
            Swal.fire({
            icon: 'success',
            title: 'Student added successfully',
            });
            console.log("DATA Inserted");
            $("#addModal").modal('hide');
            $("#formData")[0].reset();
            showAllName();//reloads the table
            }
        });
        }
    });
```

```html
<!-- Modal Header -->
<div class="modal-header">
  <h4 class="modal-title">Add New Student</h4>
  <button type="button" class="close" data-dismiss="modal">&times;</button>
</div>
<!-- Modal body -->
<div class="modal-body">
  <form id="formData">
    <div class="form-group">
      <label for="name">Name:</label>
      <input type="text" class="form-control" name="name" placeholder="Enter Name" required="">
    </div>
    <div class="form-group">
      <label for="email">Age:</label>
      <input type="number" class="form-control" name="Age" placeholder="Enter Age" required="">
    </div>
    <div class="form-group">
      <label for="username">Course:</label>
      <input type="text" class="form-control" name="course" placeholder="Enter Course" required="">
    </div>

    <hr>
    <div class="form-group float-right">
      <button type="submit" class="btn btn-success" id="submit">Submit</button>
      <button type="button" class="btn btn-danger" data-dismiss="modal">Close</button>
    </div>
  </form>
</div>
</div>
</div>
div>
```

```php
$dbObj = new Database();
// Insert Record
if (isset($_POST['action']) && $_POST['action'] == "insert") {
    $name = $_POST['name'];
    $age = $_POST['Age'];
    $course = $_POST['course'];

    $dbObj->insertRecord($name, $age, $course);
}
// View record
if (isset($_POST['action']) && $_POST['action'] == "view") {
    $output = "";
    $students = $dbObj->displayRecord();
    if ($dbObj->totalRowCount() > 0) {
        $output .="<table class='table table-striped table-hover'>
                <thead>
                  <tr>
                    <th>Id</th>
                    <th>Name</th>
                    <th>Email</th>
                    <th>Username</th>

                    <th>Action</th>
                  </tr>
                </thead>
                <tbody>";
        foreach ($students as $student) {
        $output.="<tr>
                    <td>".$student['id']."</td>
                    <td>".$student['studname']."</td>
                    <td>".$student['studage']."</td>
                    <td>".$student['studcourse']."</td>

                    <td>
                      <a href='#editModal' style='color:green' data-toggle='modal'
                      class='editBtn' id='".$student['id']."'><i class='fa fa-pencil'></i></a> 
                      <a href='' style='color:red' class='deleteBtn' id='".$student['id']."'>
                      <i class='fa fa-trash' ></i></a>
                    </td>
                  </tr>";
```

```php
// Insert customer data into customer table
public function insertRecord($name, $age, $course)
{
    $sql = "INSERT INTO $this->studentstbl (studname, studage, studcourse) VALUES('$name', '$age', '$course')";
    $query = $this->con->query($sql);
    if ($query) {
        return true;
    }else{
        return false;
    }
}

public function displayRecord()
{
    $sql = "SELECT * FROM $this->studentstbl";    //takes the number of rows in the database and calls upon the associated
    data for each row through using while                                        giving initializing it
    $query = $this->con->query($sql);              //as data
    $data = array();
    if ($query->num_rows > 0) {
        while ($row = $query->fetch_assoc()) {
            $data[] = $row;
        }
        return $data;
    }else{
        return false;
    }
}
```

Creates a table that takes all the value in the database and through ajax and jquery displays the table in order to show all of the students.

Inserting students passes the data from the form to DBSend which is then sent to DBconfig as a query then at the end of the ajax runs the table again to refresh the data. This way of inserting data is OOP and ajax at the same time we are using serialize to run through the data note if you are planning to add a picture to the form avoid using serialize.

Student Records

```html
<!-- Edit Record  Modal -->
<div class="modal" id="editModal">
  <div class="modal-dialog">
    <div class="modal-content">
      <!-- Modal Header -->
      <div class="modal-header">
        <h4 class="modal-title">Edit Student</h4>
        <button type="button" class="close" data-dismiss="modal">&times;</button>
      </div>
      <!-- Modal body -->
      <div class="modal-body">
        <form id="EditformData">
          <input type="hidden" name="id" id="edit-form-id">
          <div class="form-group">
            <label for="name">Name:</label>
            <input type="text" class="form-control" name="name" id="name" placeholder="Enter Name" required="">
          </div>
          <div class="form-group">
            <label for="email">Age:</label>
            <input type="number" class="form-control" name="Age" id="Age" placeholder="Enter Age" required="">
          </div>
          <div class="form-group">
            <label for="username">Course:</label>
            <input type="text" class="form-control" name="course" id="course" placeholder="Enter Course" required="">
          </div>
          <hr>
          <div class="form-group float-right">
            <button type="submit" class="btn btn-primary" id="update">Update</button>
            <button type="button" class="btn btn-danger" data-dismiss="modal">Close</button>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
```

```javascript
//Edit Record
$("body").on("click", ".editBtn", function(e){
  e.preventDefault();
  var editId = $(this).attr('id');
  $.ajax({
    url : "config/dbsend.php",
    type : "POST",
    data : {editId:editId},
    success:function(response){
      var data = JSON.parse(response);
      $("#edit-form-id").val(data.id);        //edit record takes the json to autofill the update modal
      $("#name").val(data.Namename);
      $("#Age").val(data.NameAge);
      $("#course").val(data.Course);
      console.log(response);
    }

  });
  $("#update").click(function(e){
if ($("#EditformData")[0].checkValidity()) {
  e.preventDefault();
  $.ajax({
    url : "config/dbsend.php",
    type : "POST",
    data : $("#EditformData").serialize()+"&action=update", //uses the record to get the id to call the update route in
    foodadd to get the sql function
    success:function(response){
      console.log("DATA UPDATED");
      Swal.fire({
        icon: 'success',
        title: 'Student updated successfully',
      });
      $("#editModal").modal('hide');
      $("#EditformData")[0].reset();
      showAllName();

  }
 });
```

```php
// Edit Record
if (isset($_POST['editId'])) {
    $editId = $_POST['editId'];
    $row = $dbObj->getRecordById($editId);
    echo json_encode($row);


}
if (isset($_POST['action']) && $_POST['action'] == "update") {
    $id = $_POST['id'];
    $name = $_POST['name'];
    $age = $_POST['Age'];
    $course = $_POST['course'];

    $dbObj->updateRecord($id, $name, $age, $course,);
}
```
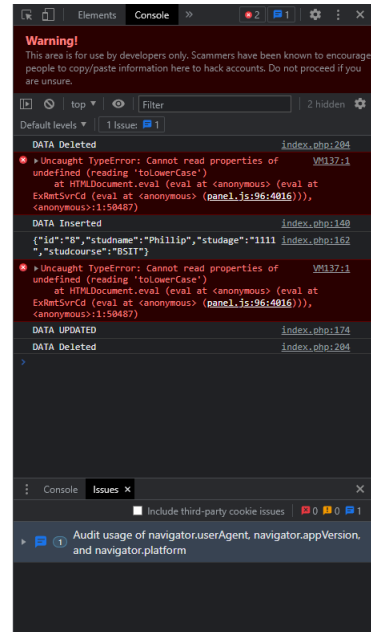
Using the ID of the row the data from the database is sent to the form and automatically calls the id this is done so that when we enter the data only the said row would be affected.

Student Records

No records found


```php
if (isset($_POST['deleteBtn'])) {
    $deleteBtn = $_POST['deleteBtn'];
    $dbObj->deleteRecord($deleteBtn);
}
```

```javascript
$("body").on("click", ".deleteBtn", function(e){
  e.preventDefault();
  var tr = $(this).closest('tr');
  var deleteBtn = $(this).attr('id');
  if (confirm('Are you sure want to delete this Record')) { //gets the id to place the delete action to the delete function
    $.ajax({
      url : "config/dbsend.php",
      type : "POST",
      data : {deleteBtn:deleteBtn},
      success:function(response){
        tr.css('background-color', '#ff6565');
        console.log("DATA Deleted");
        Swal.fire({
          icon: 'success',
          title: 'Student delete successfully',
        });
        showAllName();
      }
    });
  }
});
});
```

In the same principle delete is called through the use of ID to run it to a query to delete the row. And then we reset the table to show changes.