Add Edit and Delete Student

1. View Student from database

* The code that write in connection.php for request to database

<?php

$connection = mysqli\_connect('localhost','root','','mvc\_version22');

?>

* The code that we write in index.php

<?php

include "Models/student\_model.php";

include "Controllers/student\_controller.php";

include "Views/template.php";

?>

* This code write in tamplet.php to display data in interface

<div class="content-wrapper">

<div class="p-5">

<?php

include "Views/" . $data['page'] . ".php";

?>

</div>

</div>

* The code that write in Model/student\_model.php to get data from database and delivered to function view(&$data) in controller

function m\_get\_data() {

$query = "SELECT st.id,firstname,lastname,sex,cl.title

FROM student st

LEFT JOIN class cl ON cl.id = st.class\_id ";

include "connection.php";

$result = mysqli\_query($connection,$query);

$rows = [];

if($result && mysqli\_num\_rows($result) > 0 ){

foreach ($result as $record) {

$rec = [];

$subject = [];

$querySubject = "SELECT sub\_title FROM subjects su

INNER JOIN student\_has\_subjects ss ON su.id = ss.subjects\_id

INNER JOIN student st ON st.id = ss.student\_id

WHERE st.id=".$record['id'];

$res = mysqli\_query($connection,$querySubject);

foreach($res as $sub){

array\_push($subject,$sub['sub\_title']);

}

$rec = $record;

$rec['sub\_title'] = $subject;

array\_push($rows,$rec);

}

}

return $rows;

}

* The code that write in Controller/student\_controller.php to get data from function m\_get\_data() in model

$data = array();

get\_action($data);

function get\_action(&$data){

$function = 'view';

if (isset($\_GET['action'])) {

$action = $\_GET['action'];

$function = $action;

}

$function($data);

}

function view(&$data) {

$data['student\_data'] = m\_get\_data();

$data['page'] = "students/view";

}

* The code write in View/student/view.php

<div class="row">

<div class="col-md-12">

<a href="index1.php?action=add" class="btn btn-success">Add New</a>

<a href="index4.php?action=setpermission" class="btn btn-warning">Set Permission</a>

</div>

</div>

<table class="table table-bordered mt-3">

<thead>

<tr>

<th scope="col">ID</th>

<th scope="col">FirstName</th>

<th scope="col">LastName</th>

<th scope="col">Class</th>

<th scope="col">Sex</th>

<th scope="col">Action</th>

</tr>

</thead>

<?php

if(isset($data['student\_data'])){

foreach ($data['student\_data'] as $rows) {

?>

<tbody>

<tr>

<td><?php echo $id;?></td>

<td><?php echo $rows['firstname'];?></td>

<td><?php echo $rows['lastname'];?></td>

<td><?php echo $rows['title'];?></td>

<td><?php echo $rows['sex'];?></td>

<td>

<a href="index1.php?action=edit&id=<?php echo $rows['id'];?>"><i class="material-icons">edit</i></a>

<a href="index1.php?action=delete&id=<?php echo $rows['id'];?>"><i class="material-icons" onclick="return confirm('Are you sure you want to delete?');">delete</i></a>

</td>

</tr>

</tbody>

<?php

}

}

?>

</table>

1. Add student to display and insert in to database

* This code in view.php it is the action

<a href="index1.php?action=add" class="btn btn-success">Add New</a>

* This code write in Controller, Function add(&$data) it is the action from view.php to get data from function get\_class\_data() and get\_subject\_data(), function form\_data() it is the function that get data from function student\_add\_data in model.

function add(&$data) {

$data['class\_data'] = get\_class\_data();

$data['subject\_data'] = get\_subject\_data();

$data['page'] = "students/add";

}

function form\_data(&$data) {

$add\_data = student\_add\_data($\_POST);

if($add\_data) {

$action = "view";

}else {

$action = "add";

}

header("Location: index1.php?action=$action");

}

* This code is write in Model to insert data in to database and delivered to function form\_data(&$data) and function add(&$data) in Controller.

function student\_add\_data($data) {

include "connection.php";

$firstname = $\_POST['fname'];

$lastname = $\_POST['lname'];

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

$class\_id = $\_POST['class'];

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

$query = "INSERT INTO student(firstname,lastname,sex,class\_id)

VALUES('$firstname','$lastname','$sex','$class\_id')";

mysqli\_query($connection, $query);

foreach ($subjects as $subject) {

$last\_attendents = "SELECT id FROM student ORDER BY id DESC LIMIT 1";

$last\_attendents = mysqli\_query($connection, $last\_attendents);

foreach($last\_attendents as $student\_id ){

$id = $student\_id['id'];

$query\_subject = "INSERT INTO student\_has\_subjects(student\_id, subjects\_id) VALUES($id,$subject)";

}

$result = mysqli\_query($connection, $query\_subject);

}

return $result;

}

function get\_class\_data() {

$query = "select \* from class";

include "connection.php";

$result = mysqli\_query($connection,$query);

$rows = [];

if($result && mysqli\_num\_rows($result) > 0 ){

foreach ($result as $record) {

$rows[] = $record;

}

}

return $rows;

}

function get\_subject\_data() {

$query = "select \* from subjects";

include "connection.php";

$result = mysqli\_query($connection,$query);

$rows = [];

if($result && mysqli\_num\_rows($result) > 0 ){

foreach ($result as $record) {

$rows[] = $record;

}

}

return $rows;

}

* This code in form add.php

<form action="index1.php?action=form\_data" method="post">

<div class="card-body">

<div class="form-group">

<label for="fname">First Name:</label>

<input type="text" name="fname" id="fname" class="form-control">

</div>

<div class="form-group">

<label for="lname">Last Name:</label>

<input type="text" name="lname" id="lname" class="form-control">

</div>

<div class="form-group">

<label for="sex">Gender:</label><br>

<input type="radio" name="sex" value="Male">Male<br>

<input type="radio" name="sex" value="Female">Female

</div>

<div class="form-group">

<label for="class">Class:</label>

<select name="class" id="class" class="form-control">

<?php

foreach ($data['class\_data'] as $rows) {

?>

<option value="<?php echo $rows['id'];?>"><?php echo $rows['title']; ?></option>

<?php

}

?>

</select>

</div>

<div class="form-group">

<label for="subject">Subjects:</label>

<select name="subjects[]" class="form-control" multiple>

<?php

foreach ($data['subject\_data'] as $rows) {

?>

<option value="<?php echo $rows['id']; ?>"><?php echo $rows['sub\_title']; ?></option>

<?php

}

?>

</select>

</div>

</div>

<div class="card-footer">

<a href="index1.php?action=view" class="btn btn-success">Go Back</a>

<input type="submit" name="create" value="Submit" class="btn btn-primary float-right">

</div>

</form>

1. Edit student

* This code is write in controller, function edit() it is the action from view.php to get all data in table student from function student\_detail() and get class from function get\_class\_data() in model. And function edit\_data()

function edit(&$data) {

$data['student'] = student\_detail();

$data['class'] = get\_class\_data();

$data['page'] = "students/edit";

}

function edit\_data(&$data) {

$edit = student\_edit($\_POST);

if($edit) {

$action = "view";

}else {

echo "Error";

}

header("Location: index1.php?action=$action");

}

* This code is write in Model to get data from database and delivered to function edit\_data() in controller.

function student\_edit(&$data){

include\_once "connection.php";

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

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

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

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

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

$query = "UPDATE student SET firstname='$fname',lastname='$lname',sex='$sex',class\_id='$class' WHERE id = $id";

$update = mysqli\_query($connection,$query);

return $update;

}

* This code is write in form edit.php

<div class="container">

<div class="row">

<div class="col-md-12">

<div class="card">

<div class="card-header bg-primary text-center text-white">

<h2>Student Information Form</h2>

</div>

<?php

if(isset($data['student'])){

foreach($data['student'] as $rows){

?>

<form action="index1.php?action=edit\_data&id=<?php echo $rows['id']; ?>" method="post">

<div class="card-body">

<div class="form-group">

<label for="fname">First Name:</label>

<input type="text" name="fname" id="fname" class="form-control" value="<?php echo $rows['firstname'];?>">

</div>

<div class="form-group">

<label for="lname">Last Name:</label>

<input type="text" name="lname" id="lname" class="form-control" value="<?php echo $rows['lastname'];?>">

</div>

<div class="form-group">

<label for="sex">Gender:</label><br>

<input type="radio" <?php if($rows['sex']=="Male"){?> checked ="checked" <?php } ?> name="sex" value="Male">Male <br>

<input type="radio" <?php if($rows['sex']=="Female"){?> checked ="checked" <?php } ?> name="sex" value="Female">Female

</div>

<div class="form-group">

<label for="class">Class:</label>

<select name="class" id="class" class="form-control">

<?php

foreach ($data['class'] as $row) { ?>

<option <?php if($rows['title']== $row['title']){?> selected="selected"<?php }?> value="<?php echo $row['id']; ?>"><?php echo $row['title']; ?></option>

<?php

}

?>

</select>

</div>

</div>

<div class="card-footer">

<a href="index1.php?action=view" class="btn btn-success">Go Back</a>

<input type="submit" name="create" value="Submit" class="btn btn-primary float-right">

</div>

</form>

<?php

}

}

?>

</div>

</div>

</div>

</div>

1. Delete Student

* This code is write in view.php it is the action.

<a href="index1.php?action=delete&id=<?php echo $rows['id'];?>"><i class="material-icons" onclick="return confirm('Are you sure you want to delete?');">delete</i></a>

* This code is write in controller, function delete() it is the action from view.php and get data from function m\_delete() in model

function delete(&$data) {

//code here

$result = m\_delete();

if($result) {

$action = "view";

}else {

echo "Cannot delete this record!!!";

}

header("Location: index1.php?action=$action");

}

* This code is write in Model

function m\_delete() {

include "connection.php";

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

$result = mysqli\_query($connection, "DELETE FROM student WHERE id= $id");

return $result;

}