

National School of Sciences (NSS)

Hotel Management System

Use of CRUD Operations



Project work submitted to the Department of Computer in

Partial fulfillment of the requirements for the Internal Evaluation of Grade XII

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Finally, I would like to express my deep gratitude to the greatest mentor, my parents.

All thanks are due to them for everything that I have achieved

Team C

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Certificate of Evaluation

It is certified that Mr. Nicolas Raj Pandey has carried out the project work entitled “Hotel Management System.” This project work is the result of his endeavors and research. It is verified under the supervision and proper guidance in the academic year 2023-2024.

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Introduction

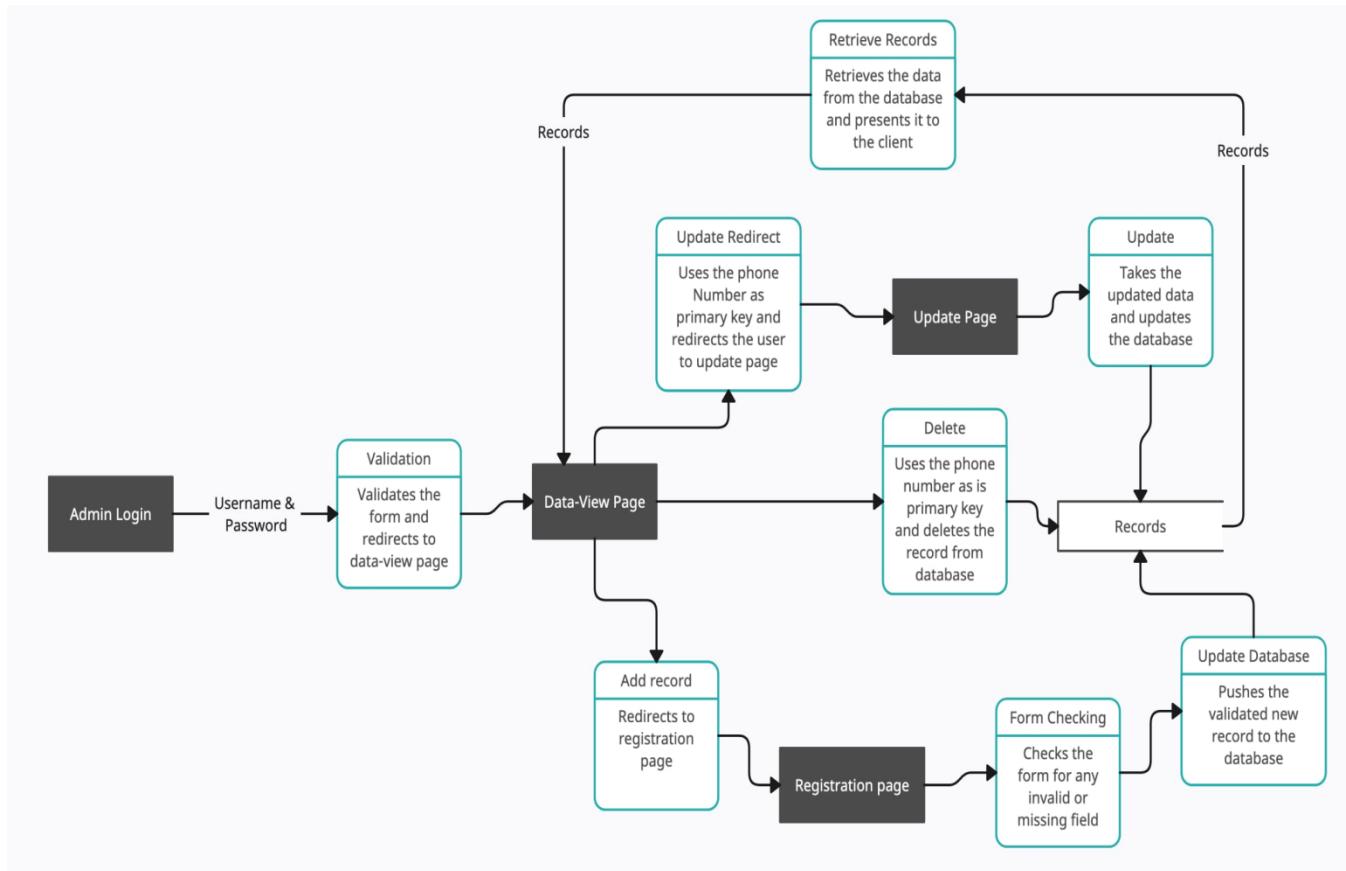
Hotel Management System is a software system where the management of entire hotel is computerized. The hotel management system can be divided into two parts, one being the front-end part which is designed through the help of HTML, CSS and JavaScript and the other part being the back-end part i.e. the database designed, developed, managed and manipulated with the help of secure SQL server.

This report about Hotel Management System is actually designed to display the functionalities of the CRUD operations of PHP. The project consists of codes, screenshots of both the database and the webpage showing the usage of CRUD operations in detail. The CRUD operation stands for Create, Read, Update and Delete.

Here, in the report of Hotel Management System, the use of Create operation adds user or guest to the SQL server database. Similarly, the use of Read operation reads or displays the user or guest in the table after the addition of the user or guest in the database. The Update operation, on the other hand, as the name implies update the details regarding the user or the guest. And, finally the Delete operation deletes the user or the guest both from the database and the table in the index page.

Through these various CRUD operations, we can easily manipulate the data. These CRUD operations are essential for the fundamental and the rudimentary operation of the Hotel Management System and the database as a whole. The project work consists of user Login, Login verification, adding the records of user in database and index page, displaying the data of user in index page, updating and deleting data in database and index page and many more details. Thus, the use of CRUD operations seems to be very vital in the creation of a database system like the Hotel Management System.

Data Flow Diagram (DFD)



Database Connection

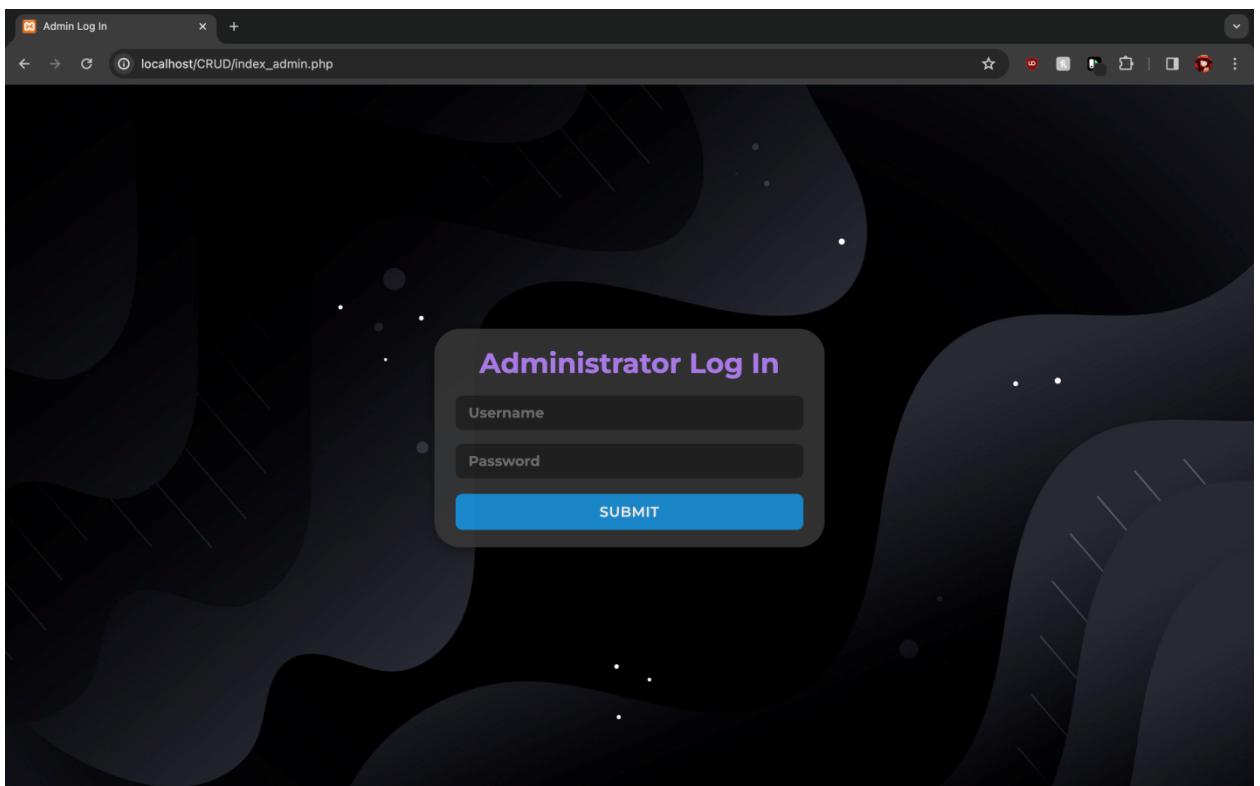
While connecting to the database or the SQL server, the server name, user name, password, database name all must be matching. There is a simple syntax for database connection which is shown as:

```
<?php  
  
error_reporting(0);  
  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "records";  
  
$conn = mysqli_connect($servername,$username,$password,$dbname);  
  
if ($conn)  
{  
    //echo "Connection ok";  
}  
else{  
    echo "Connection failed".mysqli_connect_error();  
}  
  
?>
```

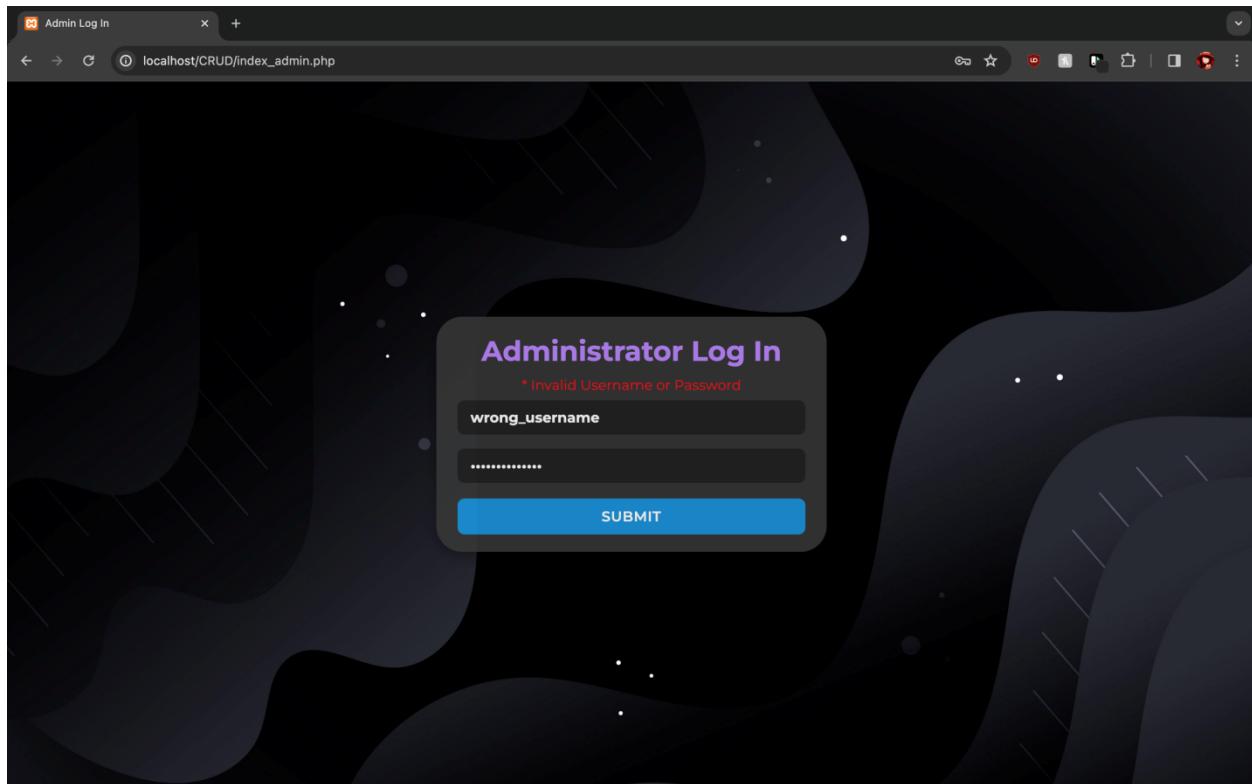
Fig: connection.php (for database connection)

Login Page

Login Page is the first page of any management system. In this page, the administrator enters his/her username and password associated with the username. For this project, the login page we have is:



However, if the username or the password of the database does not match with each other, the webpage will not redirect to the index page where the table can be manipulated. In this case, error message 'Invalid username or Password' is displayed.



When we enter the correct username and password linked with each other, the webpage is redirected towards the index page where the manipulation of the database begins.

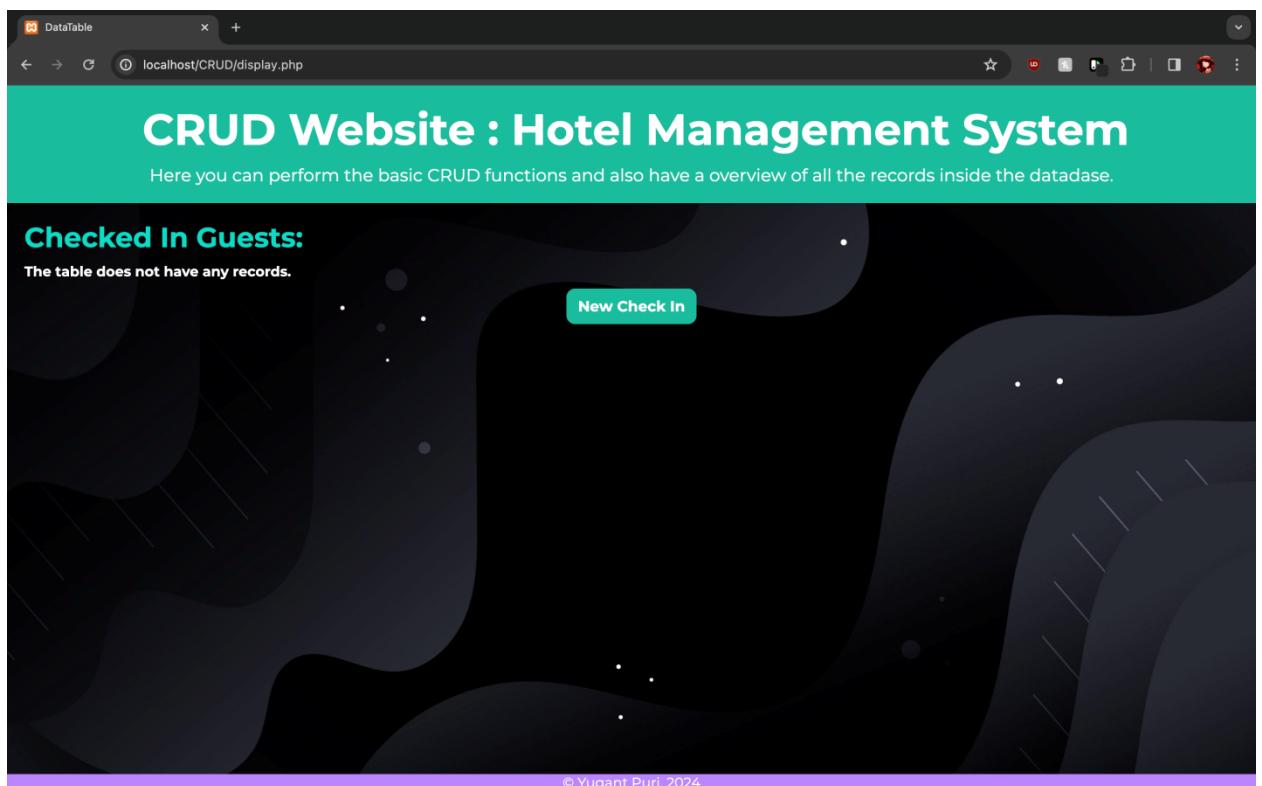
The Javascript for this is as follows:

```
function validate(){
    let uname = document.getElementById("user").value;
    let key = document.getElementById("pass").value;

    if (uname === "admin" && key === "admin"){
        window.location.href = "http://localhost/CRUD/display.php";
        return false;
    }
    else{
        document.getElementById("alert").innerText = "* Invalid Username or Password";
        return false;
    }
}
```

Home / Index Page

Home / Index Page is the main and the most essential page of a database management system. It is the page where the actual manipulation of the database occurs. In the Hotel Management System, we can see that the index page displays the checked in guests. There is also an option / button for new check-in of guests which is filled by the administrator upon the request of the guest.



Introduction of Create Operation

Create is the first operation included in the CRUD operation. Without the creation of anything i.e. without the addition of data in the database, it is impossible to proceed further. The option for Create or the addition of data in the database is available in the index page as shown above. In the screenshot above, click on the ‘New Check In’ option / button to travel to the page where new data can be added to the database.

The screenshot shows a web browser window with a dark-themed background. The title bar reads "Entry Form". The address bar shows the URL "localhost/CRUD/index_reg.php". The main content is a form titled "ENTER THE DETAILS". The form fields and their current values are:

- Name: Nicolas
- Surname: Raj
- Email: nicolasrpandey@gmail.com
- Phone: (This field has a red border and a validation message: "Please fill out this field.")
- Gender: Male
- Date of Birth: 10 July 2006

At the bottom of the form are two buttons: "SUBMIT" (in blue) and "Go Back" (in purple).

However, there are certain regulations that have to be followed while entering the data. The fields which are not labeled optional have to be filled in order to proceed further; else the database will not add the data into it. In the figure above, the ‘Phone’ section must be filled in order to proceed forward. Now, adding all the records properly:

The screenshot shows a web browser window with the title "Entry Form". The URL in the address bar is "localhost/CRUD/index_reg.php". The main content is a form titled "ENTER THE DETAILS". The form fields are as follows:

- Name: Nicolas, Raj, Pandey
- Email: nicolasrpandey@gmail.com
- Phone: 9841231162
- Gender: Male
- Date of Birth: 10 July 2006

At the bottom of the form is a blue "SUBMIT" button. Below the form is a "Go Back" link.

Similarly, we can add many such records to fill up the database. For that, after you click on ‘Submit’, the data is redirected to database where it will read the data after all the regulations are fulfilled. Then, the user will be redirected towards the index page where the addition of data will already have been successful. After addition of multiple data, the database and the index page will be:

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=records&table=users

phpMyAdmin

Server: localhost > Database: records > Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (total. Query took 0.0002 seconds.)

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table

Extra options

first_name	middle_name	last_name	email	phone	gender	address	dob_day	dob_month	dob_year
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepaltar	15	2	2006
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006
Yugant		Puri	yugant21puri@gmail.com	9841529114	male	Baniyatar	10	4	2006

Show all Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console this SQL query

localhost/CRUD/display.php

CRUD Website : Hotel Management System

Here you can perform the basic CRUD functions and also have a overview of all the records inside the datadase.

Checked In Guests:

First Name	Middle Name	Last Name	Email	Phone Number	Gender	Address	Date	Month	Year	Action
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006	<button>Update</button> <button>Delete</button>
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepaltar	15	2	2006	<button>Update</button> <button>Delete</button>
Yugant		Puri	yugant21puri@gmail.com	9841529113	male	Baniyatar	10	4	2006	<button>Update</button> <button>Delete</button>
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006	<button>Update</button> <button>Delete</button>
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006	<button>Update</button> <button>Delete</button>
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007	<button>Update</button> <button>Delete</button>
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008	<button>Update</button> <button>Delete</button>
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006	<button>Update</button> <button>Delete</button>

New Check In

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The PHP code to carry out this function is:

```
<?php

if(isset($_POST['register'])) {
    $fname = $_POST['first_name'];
    $mname = $_POST['middle_name'];
    $lname = $_POST['last_name'];
    $email = $_POST['email'];
    $phone = $_POST['phone'];
    $address = $_POST['address'];
    $gender = $_POST['gender'];
    $dob_d = $_POST['dob_d'];
    $dob_m = $_POST['dob_m'];
    $dob_y = $_POST['dob_y'];

    $query = "INSERT INTO USERS VALUES ('$fname', '$mname', '$lname', '$email', '$phone', '$gender', '$address', '$dob_d', '$dob_m', '$dob_y')";

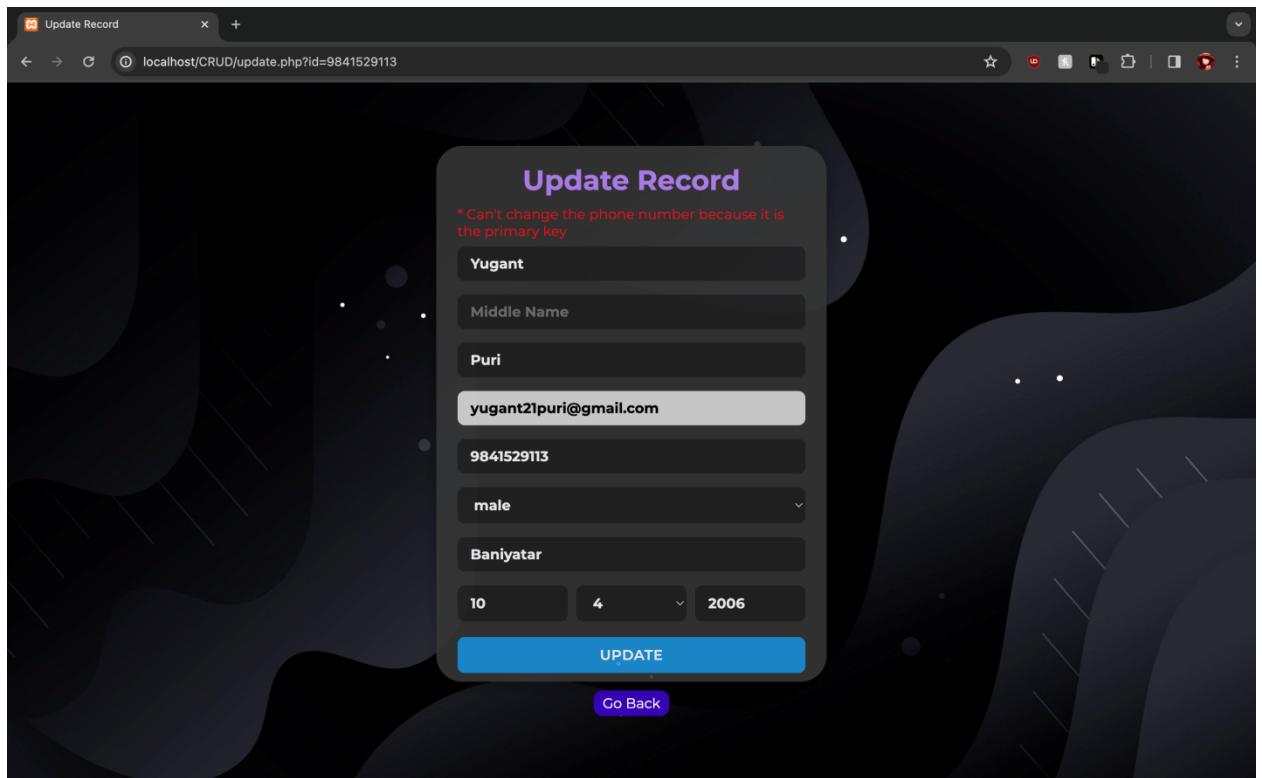
    $data = mysqli_query($conn, $query);

    if($data) {
        header("location: display.php");
    }
    else {
        echo '<div class="alert">Data was not added</div>';
    }
}

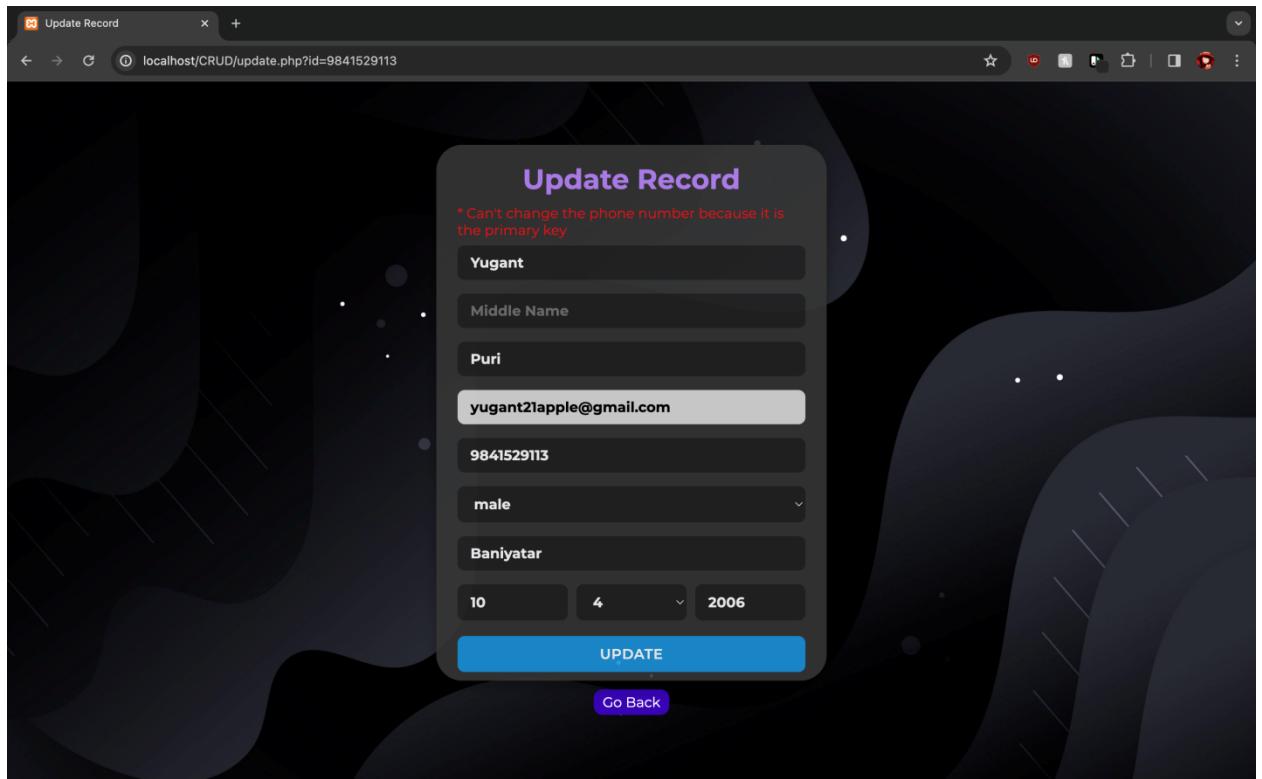
?>
```

Introduction of Update Operation

Now, the data has been added to the database and the records have been displayed in the both database and the index page. However if the administrator needs to edit or update the data of the guest, she can simply choose to do so by clicking on the ‘Update’ option in the row of the guest she wants to update the data of. Let us suppose she wants to update the data on the record of the guest named Yugant having primary key 9841529113, she can simply click on the Update button to open this page:



Here, the field of Phone Number cannot be changed as it is a primary key. However, other details such as the email or the address can be changed since it is not a unique attribute. Let us change the email of the guest from ‘yugant21puri@gmail.com’ to ‘yugant21apple@gmail.com’.



After clicking on the update, the record in both the database and the index will have been updated. However, the administrator will only be redirected to the index page and not the database where the actual change occurs. Here, email of the guest has been changed and this can be shown as:

localhost / localhost / records

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=records&table=users

phpMyAdmin

Recent | Favorites

Server: localhost » Database: records » Table: users

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

first_name	middle_name	last_name	email	phone	gender	address	dob_day	dob_month	dob_year
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepal tar	15	2	2006
Yugant		Puri	yugant21apple@gmail.com	9841529113	male	Baniyatar	10	4	2006
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006

Show all | Number of rows: 25 Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console

localhost / CRUD/display.php

CRUD Website : Hotel Management System

Here you can perform the basic CRUD functions and also have a overview of all the records inside the database.

Checked In Guests:

First Name	Middle Name	Last Name	Email	Phone Number	Gender	Address	Date	Month	Year	Action
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006	<button>Update</button> <button>Delete</button>
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepal tar	15	2	2006	<button>Update</button> <button>Delete</button>
Yugant		Puri	yugant21apple@gmail.com	9841529113	male	Baniyatar	10	4	2006	<button>Update</button> <button>Delete</button>
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006	<button>Update</button> <button>Delete</button>
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006	<button>Update</button> <button>Delete</button>
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007	<button>Update</button> <button>Delete</button>
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008	<button>Update</button> <button>Delete</button>
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006	<button>Update</button> <button>Delete</button>

New Check In

© Yugant Puri, 2024

Source Code for Update Function:

```
<?php
include("connection.php");

$fname = $_POST['first_name'];
$mname = $_POST['middle_name'];
$lname = $_POST['last_name'];
$email = $_POST['email'];
$phone = $_POST['phone'];
$address = $_POST['address'];
$gender = $_POST['gender'];
$dob_d = $_POST['dob_d'];
$dob_m = $_POST['dob_m'];
$dob_y = $_POST['dob_y'];

$query = "UPDATE users SET first_name='$fname',middle_name='$mname',
last_name='$lname', email = '$email', address = '$address',
gender = '$gender', dob_day = $dob_d, dob_month = $dob_m,
dob_year = $dob_y WHERE phone='$phone'";
mysqli_query($conn, $query);

$data = mysqli_query($conn, $query);

if($data) {
    header("location: display.php");
}
else {
    echo '<div class="alert">Data was not added</div>';
}

?>
```

Introduction of Delete Operation

Delete operation is used to delete a record from the database. It can simply be done by clicking on the ‘Delete’ button on the row of the guest whose record is to be eliminated or deleted. For the delete operation, let us add a new record on the database named ‘Dummy’ which is to be deleted.

first_name	middle_name	last_name	email	phone	gender	address	dob_day	dob_month	dob_year
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepalpur	15	2	2006
Brikesh		Sah	treeesgod@gmail.com	9841759834	male	Janakpur	23	5	2006
Nugaw	Ratna	Shakya	nugawshakya@gmail.com	9843124229	male	New Road	30	7	2006
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900055	male	Machhapokhari	22	1	2007
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008
Aadiya		Subedi	aadiiyasubedi@gmail.com	9851756398	male	Tokha	7	12	2006
Yugant		Puri	yugant21puri@gmail.com	9841529114	male	Baniyatar	10	4	2006
Dummy		Dummy	dummymydu@gmail.com	9812345678	female	Dumbcity	1	1	2000

localhost/CRUD/display.php

CRUD Website : Hotel Management System

Here you can perform the basic CRUD functions and also have a overview of all the records inside the database.

Checked In Guests:

First Name	Middle Name	Last Name	Email	Phone Number	Gender	Address	Date	Month	Year	Action
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006	<button>Update</button> <button>Delete</button>
Nicolas	Raj	Pandey	nicolásrpandey@gmail.com	9841234213	male	Nepaltar	15	2	2006	<button>Update</button> <button>Delete</button>
Yugant		Puri	yugant2lapple@gmail.com	9841529113	male	Baniyatar	10	4	2006	<button>Update</button> <button>Delete</button>
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006	<button>Update</button> <button>Delete</button>
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006	<button>Update</button> <button>Delete</button>
Kshitiz		Pradhan	kshitiz2lpradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007	<button>Update</button> <button>Delete</button>
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008	<button>Update</button> <button>Delete</button>
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006	<button>Update</button> <button>Delete</button>
Dummy		Dummy	dummydum@gmail.com	9812345678	female	Dumbcity	1	1	2000	<button>Update</button> <button>Delete</button>

[New Check In](#)

localhost/CRUD/delete.php?id=9812345678 © Yugant Puri, 2024

After clicking on the ‘Delete’ button, the record is deleted from the database and also the index page. The result or the output after the button ‘Delete’ has been entered is:

localhost / localhost / records

localhost/phpmyadmin/index.php?route=/sql&pos=0&db=records&table=users

phpMyAdmin

Recent | Favorites

Server: localhost » Database: records » Table: users

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 7 (8 total, Query took 0.0003 seconds.)

SELECT * FROM `users`

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Extra options

first_name	middle_name	last_name	email	phone	gender	address	dob_day	dob_month	dob_year
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepal tar	15	2	2006
Yugant		Puri	yugant2apple@gmail.com	9841529113	male	Baniyatar	10	4	2006
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006

Show all | Number of rows: 25 Filter rows: Search this table

Query results operations

Print | Copy to clipboard | Export | Display chart | Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Console

localhost / CRUD/display.php

CRUD Website : Hotel Management System

Here you can perform the basic CRUD functions and also have a overview of all the records inside the database.

Checked In Guests:

First Name	Middle Name	Last Name	Email	Phone Number	Gender	Address	Date	Month	Year	Action
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006	<button>Update</button> <button>Delete</button>
Nicolas	Raj	Pandey	nicolaspandey@gmail.com	9841234213	male	Nepal tar	15	2	2006	<button>Update</button> <button>Delete</button>
Yugant		Puri	yugant2apple@gmail.com	9841529113	male	Baniyatar	10	4	2006	<button>Update</button> <button>Delete</button>
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006	<button>Update</button> <button>Delete</button>
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006	<button>Update</button> <button>Delete</button>
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007	<button>Update</button> <button>Delete</button>
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008	<button>Update</button> <button>Delete</button>
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006	<button>Update</button> <button>Delete</button>

New Check In

© Yugant Puri, 2024

Source code for the delete function is:

```
<?php
include("connection.php");

if(isset($_GET["id"])){
    $id = mysqli_real_escape_string($conn, $_GET['id']);

    $sql = "DELETE FROM users WHERE phone='". $id . "'";

    if($conn->query($sql) === TRUE) {
?>
        <script type="text/javascript">window.alert("Record deleted successfully.")</script>
<?php
    } else {
        echo "Error: " . $sql . "<br>" . $conn->error;
    }
}
// Redirect to the display page
header("location: display.php");
?>
```

Introduction of Display / Read Operation

Display / Read operation simply means the display of records that are present in the user table in the database through the help of Index page. Simply put, this operation prints the table along with the records present at the Database in the Index page. This can be easily shown as:

First Name	Middle Name	Last Name	Email	Phone Number	Gender	Address	Date	Month	Year	Action
Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Baniyatar	2	4	2006	<button>Update</button> <button>Delete</button>
Nicolas	Raj	Pandey	nicolasrpandey@gmail.com	9841234213	male	Nepal tar	15	2	2006	<button>Update</button> <button>Delete</button>
Yugant		Puri	yugant2apple@gmail.com	9841529113	male	Baniyatar	10	4	2006	<button>Update</button> <button>Delete</button>
Brikesh		Sah	treesgod@gmail.com	9841759834	male	Janakpur	23	5	2006	<button>Update</button> <button>Delete</button>
Nugaw	Ratna	Shakya	nugawrshakya@gmail.com	9843124229	male	New Road	30	7	2006	<button>Update</button> <button>Delete</button>
Kshitiz		Pradhan	kshitiz21pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007	<button>Update</button> <button>Delete</button>
Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008	<button>Update</button> <button>Delete</button>
Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006	<button>Update</button> <button>Delete</button>

This is the displayed data obtained through the help of Display / Read operation. This data is not manually inputted but instead taken from the database where the guest details are recorded. The actual database from which this table has been taken is:

The screenshot shows the phpMyAdmin interface for a database named 'records'. The left sidebar lists databases: New, information_schema, mysql, performance_schema, phpmyadmin, records, New, users, and test. The 'users' table is selected under the 'records' database. The main area displays the results of the query 'SELECT * FROM `users`'. The results table has columns: first_name, middle_name, last_name, email, phone, gender, address, dob_day, dob_month, and dob_year. The data consists of 8 rows:

	first_name	middle_name	last_name	email	phone	gender	address	dob_day	dob_month	dob_year
1	Swoyam		Shrestha	swoyamstha@gmail.com	9834533364	male	Banijatar	2	4	2006
2	Nicolas	Raj	Pandey	nicolasrpandey@gmail.com	9841234213	male	Nepaltar	15	2	2006
3	Yugant		Puri	yugant21apple@gmail.com	9841529113	male	Banijatar	10	4	2006
4	Brikesh		Sah	treeegg@gmail.com	9841759834	male	Janakpur	23	5	2006
5	Nugaw	Ratna	Shakya	nugawshakya@gmail.com	9843124229	male	New Road	30	7	2006
6	Kshitiz		Pradhan	kshitizz1pradhan@gmail.com	9843900855	male	Machhapokhari	22	1	2007
7	Parbat		Baniya	pxrbatbaniya@gmail.com	9851152214	male	Bansbari	8	12	2008
8	Aaditya		Subedi	aadityasubedi@gmail.com	9851756398	male	Tokha	7	12	2006

This is the simple use of Display / Read operation of the CRUD operation.

For the entire source code, Please visit: <https://github.com/YugantP/CRUDPROJECT>

Conclusion

The project work is a great help for the students to learn about the importance of CRUD operations and learn how to utilize and manipulate it. The CRUD operations are a fundamental and elementary part of manipulating data of a database. The use of CRUD operations can lead to the formation of a seamless database system.

In this project, we have displayed the use of CRUD operations – Create, Read, Update and Delete rather efficiently to link up the program to run smoothly. The database system also highlights many important parts as regulation of the input data before being allowed to enter the database, use of primary key to avoid duplication of data for data redundancy, the rudimentary running mechanism of secure SQL server back-end database and so on.

All the knowledge that we the students were able to learn while designing and developing this database will inevitable prove to be important in our future life and career. Thus, we would like to give a deep gratitude for our teachers to provide us this platform and learning experience.

References / Bibliography

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- 2) Moundika Nandiraju, Hotel Management System, IRJMETS, March 2020