

Exp 6: Connecting Database with Firebase(Nosql)

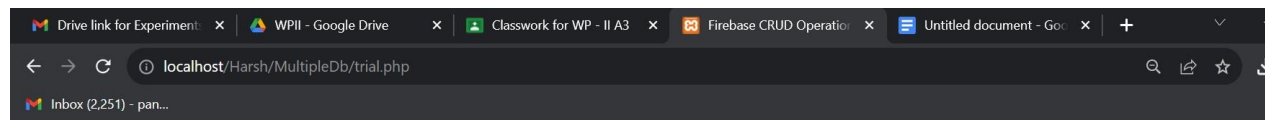
Name : Keyur Patel

Roll No : 16010421073

Batch : A3

Exp no-6

SS:



Data from Firebase

Add New Data

Name:

Email:

Add New Data

Name:

Email:

Data from Firebase

- Elvish (elvish@gmail.com) [Change](#) [Delete](#)
- keyur (Keyur@gmail.com) [Change](#) [Delete](#)

Data from Firebase

- () [Save](#) [Delete](#)
- keyur (Keyur@gmail.com) [Change](#) [Delete](#)

Add New Data

Name:

Email:

Data from Firebase

- elvish bhayyy (elvishchange@gmail.com) [Change](#) [Delete](#)
- keyur (Keyur@gmail.com) [Change](#) [Delete](#)

Database ▾



Realtime Database

[Data](#) [Rules](#) [Backups](#) [Usage](#) [Extensions](#)

Protect your Realtime Database resources from abuse, such as billing fraud or phishing [Configure App Check](#) [×](#)

<https://database-a818f-default-rtdb.firebaseio.com> > users

Your security rules are not secure. Any authenticated user can steal, modify or delete data in your database. [Learn more](#) [Dismiss](#)

```
users
├── -NgoEPsvBm0-2mk8Bp3m
│   ├── email: "keyur@gmail.com"
│   └── name: "Keyur"
└── -NgoFAZwz-E4RscRzuph
    ├── email: "seejaypreet@gmail.com"
    └── name: "basedharsh"
```

Database location: United States (us-central1)

Code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Firebase CRUD Operations</title>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <script>
    $(document).ready(function() {
      // Fetch data from fetch_data.php
      $.ajax({
        url: 'fetch_data.php',
        type: 'GET',
        dataType: 'json',
        success: function(data) {
          data.forEach(function(item) {
            var listItem = `<li><span
id='name_${item.key}'>${item.name}</span> (<span
id='email_${item.key}'>${item.email}</span>) <span
id='change_${item.key}'><a href='javascript:void(0);'
onclick='editData("${item.key}")'>Change</a></span> <a
href='delete.php?key=${item.key}'>Delete</a></li>`;
            $('ul').append(listItem);
          });
        }
      });
    });

    function editData(key) {
      var name = document.getElementById("name_" + key).innerText;
      var email = document.getElementById("email_" + key).innerText;

      document.getElementById("name_" + key).innerHTML = `<input
type='text' id='new_name_${key}' value='${name}'>`;
      document.getElementById("email_" + key).innerHTML = `<input
type='text' id='new_email_${key}' value='${email}'>`;
      document.getElementById("change_" + key).innerHTML = `<a
href='javascript:void(0);' onclick='saveData("${key}")'>Save</a>`;
    }
  }
</script>
</head>
</html>
```

```

        function saveData(key) {
            var newName = document.getElementById("new_name_" +
key).value;
            var newEmail = document.getElementById("new_email_" +
key).value;

            $.ajax({
                url: 'save.php',
                type: 'POST',
                data: {key: key, name: newName, email: newEmail},
                success: function(response) {
                    if(response === 'success') {
                        document.getElementById("name_" + key).innerText =
newName;

                        document.getElementById("email_" + key).innerText
= newEmail;

                        document.getElementById("change_" + key).innerHTML
= `<a href='javascript:void(0);' onclick='editData("${key}")'>Change</a>`;
                    } else {
                        alert('Failed to update data');
                    }
                }
            });
        }
    </script>
</head>
<body>

    <div style="float: left; width: 50%;">
        <h2>Data from Firebase</h2>
        <ul>
            <!-- Data will be appended here by jQuery -->
        </ul>
    </div>

    <div style="float: right; width: 50%;">
        <h2>Add New Data</h2>
        <form action="update.php" method="post">
            <label for="name">Name:</label>
            <input type="text" id="name" name="name"><br><br>

```

```
        <label for="email">Email:</label>
        <input type="email" id="email" name="email"><br><br>

        <input type="submit" value="Add">
    </form>
</div>

</body>
</html>
```

Save.php

```
<?php
include('dbcon.php');

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $key = $_POST['key'];
    $name = $_POST['name'];
    $email = $_POST['email'];

    $updatedData = [
        'name' => $name,
        'email' => $email
    ];

    try {
        $database->getReference('users/' . $key)->update($updatedData);
        echo 'success';
    } catch (Exception $e) {
        echo 'failed';
    }
}
?>
```

Update.php

```
<?php
error_reporting(E_ALL);
ini_set('display_errors', 1);

echo "Inside update.php";

include('dbcon.php');

if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    echo "Inside POST";
    $name = $_POST['name'];
    $email = $_POST['email'];

    $newData = [
        'name' => $name,
        'email' => $email
    ];

    try {
        $database->getReference('users')->push($newData);
        header('Location: ../trial.php');
    } catch (Exception $e) {
        echo 'Caught exception: ', $e->getMessage(), "\n";
    }
} else {
    echo "Not a POST request";
}
?>
```

Connect to firebase

Dbcon.php

```
<?php
require __DIR__ . '/vendor/autoload.php';

use Kreait\Firebase\Factory;
$factory = (new Factory())-> withProjectId('database-a818f')
->withServiceAccount('c:/xampp/htdocs/keyur/MultipleDb/database-a818f-firebase-adminsdk-xjo10-8d9bf0776b.json')
->withDatabaseUri('https://database-a818f-default-rtdb.firebaseio.com/');

$database = $factory->createDatabase();
?>
```