Live search in Laravel using AJAX

Customer Name	Address	City	Postal Code	Country
Nasir Uddin	Cantonment	Cumilla	1425	Bangladesh
Rabiul Hasan	Cumilla	Cumilla	1232	Bangladesh

Create the Controller

```
php artisan make:controller LiveSearch
```

Now go tp **app/Http/controller/LiveSearch.php**and paste the following code in it.

```php
<?php

namespace App\Http\Controllers;

use Illuminate\Http\Request;
use DB;

class LiveSearch extends Controller
{
    function index()
    {
     return view('live_search');
    }

    function action(Request $request)
    {
     if($request->ajax())
     {
       $output = '';
       $query = $request->get('query');
       if($query != '')
       {
        $data = DB::table('tbl_customer')
           ->where('CustomerName', 'like', '%'.$query.'%')
           ->orWhere('Address', 'like', '%'.$query.'%')
```

```php
          ->orWhere('City', 'like', '%'.$query.'%')
          ->orWhere('PostalCode', 'like', '%'.$query.'%')
          ->orWhere('Country', 'like', '%'.$query.'%')
          ->orderBy('CustomerID', 'desc')
          ->get();

     }
     else
     {
       $data = DB::table('tbl_customer')
          ->orderBy('CustomerID', 'desc')
          ->get();
     }
     $total_row = $data->count();
     if($total_row > 0)
     {
       foreach($data as $row)
       {
        $output .= '
        <tr>
         <td>'.$row->CustomerName.'</td>
         <td>'.$row->Address.'</td>
         <td>'.$row->City.'</td>
         <td>'.$row->PostalCode.'</td>
         <td>'.$row->Country.'</td>
        </tr>
        ';
       }
     }
     else
     {
       $output = '
       <tr>
        <td align="center" colspan="5">No Data Found</td>
       </tr>
       ';
     }
     $data = array(
       'table_data'  => $output,
       'total_data'  => $total_row
     );

     echo json_encode($data);
    }
   }
}
```

resources/views/live_search.blade.php.

```html
<!DOCTYPE html>
<html>
  <head>
    <title>Live search in laravel using AJAX</title>
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.1.0/jquery.min.js"></script>
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css" />
    <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
  </head>
  <body>
    <br />
    <div class="container box">
      <h3 align="center">Live search in laravel using AJAX</h3><br />
      <div class="panel panel-default">
        <div class="panel-heading">Search Customer Data</div>
        <div class="panel-body">
          <div class="form-group">
            <input type="text" name="search" id="search" class="form-control"
placeholder="Search Customer Data" />
          </div>
          <div class="table-responsive">
            <h3 align="center">Total Data : <span id="total_records"></span></h3>
            <table class="table table-striped table-bordered">
              <thead>
                <tr>
                  <th>Customer Name</th>
                  <th>Address</th>
                  <th>City</th>
                  <th>Postal Code</th>
                  <th>Country</th>
                </tr>
              </thead>
              <tbody>

              </tbody>
            </table>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>

<script>
$(document).ready(function(){

 fetch_customer_data();

 function fetch_customer_data(query = '')
 {
  $.ajax({
```

```
    url:"{{ route('live_search.action') }}",
    method:'GET',
    data:{query:query},
    dataType:'json',
    success:function(data)
    {
     $('tbody').html(data.table_data);
     $('#total_records').text(data.total_data);
    }
   })
  }

  $(document).on('keyup', '#search', function(){
   var query = $(this).val();
   fetch_customer_data(query);
  });
 });
</script>
```

Set the Routes

```php
<?php

Route::get('/live_search', 'LiveSearch@index');
Route::get('/live_search/action', 'LiveSearch@action')->name('live_search.action');

?>
```