

Materi Pertemuan 13 - Ajax Request

Use Case

1. User bisa mengurutkan (sorting) produk berdasarkan best seller
2. User bisa mengurutkan (sorting) produk berdasarkan terbaik (rating tertinggi)
3. User bisa mengurutkan (sorting) produk berdasarkan harga termurah
4. User bisa mengurutkan (sorting) produk berdasarkan harga terbaru
5. User bisa mengurutkan (sorting) produk berdasarkan terbaru
6. Fitur ini bisa dilakukan di public product dan di admin
7. Semua fitur diatas dilakukan dengan ajax request

Prasarat

1. Laravel yang digunakan versi 5.8.4
2. Mengerjakan latihan dan tutorial pada 'Materi Pertemuan 12 - Web Analytic'

Implement Request Ajax di Fitur Sorting

1. Buka file resources/views/products/index.blade.php, tambahkan code seperti dibawah ini (line 19 dan line 46)

```
19 <div id="product-list"> <!-- Tambahkan baris code ini -->
20 @foreach($products as $idx => $product)
21 @if ($idx == 0 || $idx % 4 == 0)
22 <div class="row mt-4">
23 @endif
24
25 <div class="col">
26 <div class="card">
27 
28 <div class="card-body">
29 <h5 class="card-title">
30 <a href="{{ route('products.show', ['id' => $product->id]) }}">
31 {{ $product->name }}
32 </a>
33 </h5>
34 <p class="card-text">
35 {{ $product->price }}
36 </p>
37 <a href="{{ route('carts.add', ['id' => $product->id]) }}" class="btn btn-primary">Beli</a>
38 </div>
39 </div>
40 </div>
41
42 @if ($idx > 0 && $idx % 4 == 3)
43 </div>
44 @endif
45 @endforeach
46 </div> <!-- Tambahkan baris code ini -->
```

(Line 50 - 100)

```
50 <!-- JQuery -->
51 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
52 <script type="text/javascript">
53     $(document).ready(function(){
54         $('#order_field').change(function(){
55             // window.location.href = '/?order_by=' + $(this).val();
56             $.ajax({
57                 type: 'GET',
58                 url: '/products',
59                 data: {
60                     order_by: $(this).val(),
61                 },
62                 dataType: 'json',
63                 success: function(data) {
64                     var products = '';
65                     $.each(data, function(idx, product) {
66                         if(idx == 0 || idx % 4 == 0) {
67                             products += '<div class="row mt-4">';
68                         }
69
70                         products += '<div class="col">' +
71                             '<div class="card">' +
72                             '' +
73                             '<div class="card-body">' +
74                             '<h5 class="card-title">' +
75                             '<a href="/products/' + product.id + '">' +
76                             product.name +
77                             '</a>' +
78                             '</h5>' +
79                             '<p class="card-text">' +
80                             product.price +
81                             '</p>' +
82                             '<a href="/carts/add/' + product.id + '" class="btn btn-primary">Beli</a>' +
83                             '</div>' +
84                             '</div>' +
85                             '</div>';
86
87                         if(idx > 0 && idx % 4 == 3) {
88                             products += '</div>';
89                         }
90                     });
91
92                     // update element
93                     $('#product-list').html(products);
94                 },
95                 error: function(data) {
96                     alert('Unable to handle request');
97                 }
98             });
99         });
100     });
101 </script>
```

2. Buka file app/Http/Controllers/ProductController.php, pada method index ubah menjadi seperti ini

```
20  /**
21   * Show the application dashboard.
22   *
23   * @return \Illuminate\Contracts\Support\Renderable
24   */
25  public function index(Request $request)
26  {
27      $productInstance = new Product();
28      $products = $productInstance->orderProducts($request->get('order_by'));
29
30      // Apabila request ajax maka akan return JSON
31      if($request->ajax()){
32          return response()->json($products, 200);
33      }
34
35      // Apabila request HTML maka akan return HTML
36      return view('products.index', compact('products'));
37  }
```

3. Silahkan di coba functionality nya.
4. Finish

Tantangan

1. Implementasi Ajax pada admin fitur sorting

Reference

1. <https://laravel.com/docs/5.8/controllers>
2. <https://laravel.com/docs/5.8/views>
3. <https://laravel.com/docs/5.8/routing>
4. <https://laravel.com/docs/5.8/queries>
5. <https://kode-blog.io/laravel-5-ajax-tutorial>