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Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

No	Langkah
1	Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN <div><pre><script src="https://code.jquery.com/jquery-3.1.0.js"></script> <script src="//cdn.datatables.net/1.10.12/js/jquery.dataTables.min.js"></script></pre></div>
2	Ada 2 cara penggunaan datatables yaitu dengan cara <i>online</i> yaitu dengan cara menyisipkan CDN atau dengan cara offline yaitu dengan cara mendownload pada situs https://datatables.net/
3	Tambahkan <i>code</i> berikut pada <i>controller user</i>

```

application > controllers > user.php
3  defined('BASEPATH') OR exit('No direct script access allowed');
4
5  class user extends CI_Controller {
6
7      public function __construct() {
8          parent::__construct();
9          $this->load->helper('url');
10         $this->load->helper('form');
11         $this->load->model('login_model');
12         $this->load->model('mahasiswa_model');
13         //$this->load->library('session');
14
15         //validasi level
16         if($this->session->userdata('level')!="user"){
17             redirect('login','refresh');
18         }
19     }
20
21     public function index()
22     {
23
24         $data= array(
25             'title'=>'data mahasiswa',
26             'mahasiswa'=>$this->mahasiswa_model->databels()
27         );
28         $this->load->view('template/header_datatables_user',$data);
29         $this->load->view('mahasiswa/user',$data);
30         $this->load->view('template/footer_datatables_user');
31     }
32
33 }
34
35 /* End of file Controllername.php */
36

```

4 Buatlah header_datatables_user dan footer_datatables_user pada views/template

- header_datatables_user

```

application > views > template > header_datatables_user.php
1  <!DOCTYPE html>
2  <html lang="en">
3  <head>
4      <!-- Required meta tags -->
5      <meta charset="utf-8">
6      <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
7
8      <!-- Bootstrap CSS -->
9      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css"
10      integrity="sha384-MCw98/SFNe68fJ36wE0ngsV7Zt27NKFoaoApvM81iuxoPKFOjwJ8ERdKnLPHO" crossorigin="anonymous">
11
12      <!-- <title>Hello, world!</title> -->
13      <title>? $title ?</title>
14
15      <script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
16      <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.css"/>
17      <script type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-1.10.13/datatables.min.js"></script>
18  </head>
19  <body>
20
21      <!-- navbar -->
22      <nav class="navbar navbar-expand-lg navbar-light bg-light">
23          <div class="container">
24              <a class="navbar-brand" href="#"> CI </a>
25              <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
26              aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
27                  <span class="navbar-toggler-icon"></span>
28              </button>
29              <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
30                  <div class="navbar-nav">
31                      <!-- <a class="nav-item nav-link" href="#">Home</a> -->
32                      <a class="nav-item nav-link" href="#">About</a>
33                      <a class="nav-item nav-link" href="#">login/logout</a>
34                  </div>
35              </div>
36          </div>
37      </nav>

```

- **footer_datatables_user**

```
application > views > template > footer_datatables_user.php
1 <script type="text/javascript">
2 $(document).ready(function(){
3     $('#list_mhs').DataTable();
4 });
5 </script>
6 <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"
7     integrity="sha384-ChfqqxuZUCn3+MxMnPIyE62BmW2IMqE241rY1qJxyM1260W/Jm2Q5stwEULTy" crossorigin="anonymous"></script>
8 </body>
9 </html>
```

5 Tambahkan *code* berikut pada **views/mahasiswa/user**

```
application > views > mahasiswa > user.php
1 <div class="container" style="margin-top:20px">
2     <div class="col-md-12">
3         <h1 style="text-align: center; margin-bottom: 30px"> Data Mahasiswa </h1>
4     </div>
5     <table class="table table-striped table-bordered" id="list_mhs">
6         <thead>
7             <tr>
8                 <th>#</th>
9                 <th>Nama</th>
10                <th>Email</th>
11                <th>Jurusan</th>
12            </tr>
13        </thead>
14        <tbody>
15            <?php
16                $no = 1;
17                foreach($mahasiswa as $mhs){ ?>
18                    <tr>
19                        <td> <?= $no++; ?> </td>
20                        <td> <?= $mhs->nama; ?> </td>
21                        <td> <?= $mhs->email; ?> </td>
22                        <td> <?= $mhs->jurusan; ?> </td>
23                    </tr>
24                <?php } ?>
25            </tbody>
26        </table>
27    </div>
```

6 Tambahkan *function* datatables pada **mahasiswa_model**

```
application > models > mahasiswa_model.php
55     return $this->db->get('mahasiswa')->result_array();
56 }
57
58 public function datatables(){
59     $query= $this->db->order_by('id','DESC')->get('mahasiswa');
60     return $query->result();
61 }
62
63 }
64
65 /* End of file ModelName.php */
66 ?>
```

7 Hasil

localhost/code-kedua/index.php/user

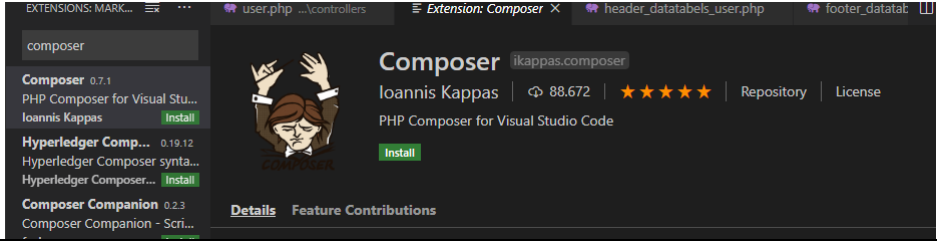
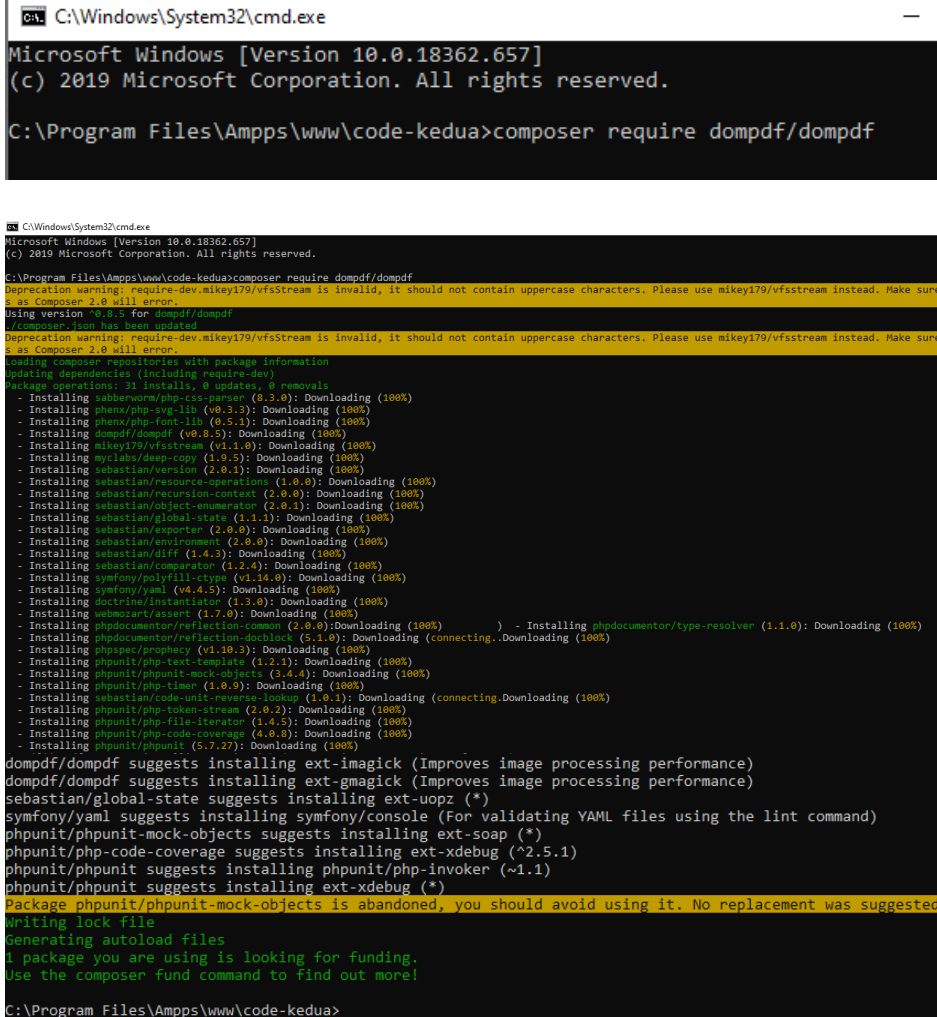
CI About Logout

Data Mahasiswa

Show 10 entries Search:

#	Nama	Email	Jurusan
1	mardhiyah millania	millania@gmail.com	Teknik Informatika
2	soni sino sono	soni@gmail.com	Teknik Informatika
3	dika mahendra	dika@gmail.com	Teknik Informatika
4	dina	dina@gmail.com	Teknik Informatika

Showing 1 to 4 of 4 entries Previous 1 Next

No	Langkah
1	<p><i>Install extensions Composer pada visualCode</i></p> 
2	<p>Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut</p> <pre> application > config > config.php 132 \$config['composer_autoload'] = '/path/to/vendor/autoload 133 134 For more information about Composer, please visit http:/ 135 136 Note: This will NOT disable or override the CodeIgniter- 137 autoloading (application/config/autoload.php) 138 */ 139 \$config['composer_autoload'] = "vendor/autoload.php"; 140 141 /* </pre>
3	<p>Selanjutnya proses <i>install</i> dompdf menggunakan <i>composer</i>. Untuk menginstall dompdf menggunakan <i>composer</i> pastikan proses <i>install</i> tersebut pada folder codeigniter kita. Untuk perintah <i>install</i> dompdfnya seperti berikut</p> 
4	<p>Buatlah file php dengan nama pdf.php pada <i>libraries</i></p>

	<pre> application > libraries > pdf.php 1 <?php defined('BASEPATH') OR exit('No direct script access allowed'); 2 3 use Dompdf\Dompdf; 4 class Pdf extends Dompdf{ 5 /** 6 * PDF filename 7 * @var String 8 */ 9 public \$filename; 10 public function __construct(){ 11 parent::__construct(); 12 \$this->filename = "laporan.pdf"; 13 } 14 /** 15 * Get an instance of CodeIgniter 16 * 17 * @access protected 18 * @return void 19 */ 20 protected function ci(){ 21 return get_instance(); 22 } 23 24 public function load_view(\$view, \$data = array()){ 25 \$html = \$this->ci()->load->view(\$view, \$data, TRUE); 26 \$this->load_html(\$html); 27 //Render the PDF 28 \$this->render(); 29 //output the generated PDF to Browser 30 \$this->stream(\$this->filename, array("Attachment" => false)); 31 } 32 } </pre>
5	<p>Setelah itu kita coba membuat sebuah function pada controller user dengan nama laporan_pdf</p> <pre> application > controllers > user.php 28 \$this->load->view('template/header_datatables_user',\$data); 29 \$this->load->view('mahasiswa/user',\$data); 30 \$this->load->view('template/footer_datatables_user'); 31 } 32 33 public function laporan_pdf(){ 34 \$this->load->library('pdf'); 35 36 \$data['mahasiswa']=\$this->cetak_model->view(); 37 \$this->load->library('pdf'); 38 39 \$this->pdf->setPaper('A4','potrait'); 40 \$this->pdf->filename = "Laporan-petanikode.pdf"; 41 \$this->pdf->load_view('mahasiswa/laporan', \$data); 42 } 43 44 } </pre>
6	<p>Buat modelnya dengan nama cetak_model.php</p>

```

application > models > cetak_model.php
1  <?php
2
3  defined('BASEPATH') OR exit('No direct script access allowed');
4
5  class cetak_model extends CI_Controller {
6
7      public function view()
8      {
9          $this->db->select('nama,email,jurusan');
10         $query= $this->db->get('mahasiswa');
11         return $query->result();
12     }
13
14 }
15
16 /*cetak_model.php */
17
18 ?>

```

Buat viewnya dengan nama **laporan** pada folder **mahasiswa**

- 7 Buka file **header_datatables_user.php** dan tambahkan *link* cetak laporan pada navbar *line 30*

```

application > views > template > header_datatables_user.php
19 <body>
20
21 <!-- navbar -->
22 <nav class="navbar navbar-expand-lg navbar-light bg-light">
23     <div class="container">
24         <a class="navbar-brand" href="#"> CI </a>
25         <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup"
26             aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">
27             <span class="navbar-toggler-icon"></span>
28         </button>
29         <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
30             <div class="navbar-nav">
31                 <!-- <a class="nav-item nav-link" href="{base_url()}>Home</a> -->
32                 <a class="nav-item nav-link" href="{base_url()}>user/laporan_pdf">Cetak Laporan</a>
33                 <a class="nav-item nav-link" href="{base_url()}>login/logout">Logout</a>
34             </div>
35         </div>
36     </div>
37 </nav>

```

- 8 Jika berhasil maka hasilnya seperti berikut

Report Table 1/1

#	Nama	Email	Jurusan
1	dina	dina@gmail.com	Teknik Informatika
2	dika mahendra	dika@gmail.com	Teknik Informatika
3	soni sino sono	soni@gmail.com	Teknik Informatika
4	mardhiyah millania	millania@gmail.com	Teknik Informatika