LAPORAN PRAKTIKUM DESAIN DAN PEMROGRAMAN WEB JOBSHEET 6 Data Tables User, DOM PDF



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<u>Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User</u>

DataTables adalah salah satu *plugin* dari jQuery. DataTable digunakan untuk menampilkan data dalam bentuk *grid* (tabel). DataTable memiliki banyak fitur-fitur interaktif, diantaranya: 1.*Searching* (Pencarian Data), 2.*Paging* (halaman), 3.*Sorting* (mengurutkan Halaman), 4.Batas tampilan data per halaman dalam bentuk comboBox

Langkah	Keterangan						
1	Untuk menggunakan DataTables kita menyisipkan DataTabels melalui CDN <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>						
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	<pre>Tambahkan code berikut pada controller user 6</pre>						

Buatlah header_datatabels_user dan footer_datatabels_user pada views/template
• header_datatabels_user

```
cliptorype thml>
chmul lang="en">
chead>
chead>
cmeta charset="utf-8">
chead>
cmeta charset="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
clink rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/d.1.3/css/bootstrap.min.css" integrity="sha384-MCw98/SFnGE8fJT3GXWE/ctitle>
cscript src="/ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js">c/script>
ctitlesig?= $title j%/tttle>
cscript src="/ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js">c/script>
clink rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt/dt-1.10.20/datatables.min.css"/>
cscript type="text/javascript" src="https://cdn.datatables.net/v/dt/dt-1.10.20/datatables.min.js">c/script>
c/head>
c/head>
conv class="navbar navbar-expand-lg navbar-light bg-light">
cdiv class="navbar-navbar-logaler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" of class="navbar-navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" of class="navbar-navbar-toggler-icon">c/putton>
clutton class="navbar-navbar-toggler-icon">c/putton>
clutton class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-nav">class="navbar-navbar-toggler-icon">c/putton>
cloud class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav">class="navbar-nav"</-nav">class="navbar-nav"<
```

• footer_datatables_user

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Tambahkan code berikut pada views/mahasiswa/user

```
application > views > mahasiswa > 💝 user.php
               <div class="container" style=margin-top:20px;>
                  <div class="col-md-12">
                      <h1 style="text-align: center; margin-bottom: 30px;">Data Mahasiswa</h1>
                  table class="table table-striped table-bordered" id="list_mhs"
                             No
                             Nama
                             Email
                             Jurusan
                          no = 1;
                          foreach($mahasiswa as $mhs) { ?>
                             <?= $no++; ?>
                             <;= $mhs->nama; ?>
                             <?= $mhs->email; ?>
                             <?= $mhs->jurusan; ?>
                         <?php }?>
                  6
       Tambahkan function datatabels pada mahasiswa_model
               public function datatabels(){
                   $query= $this->db->order_by('id','DESC')->get('mahasiswa');
                   return $query->result();
7
       Hasil
             CI About Logout
                                             Data Mahasiswa
               No
                         Nama
                                                                           Jurusan
                         osa
                                             osa@gmail.com
                                                                            informatika
               2
                                                                           kimia
                         mahanani
                                             osa@gmail.com
                                             soni@gmail.com
                                                                            mesin
               4
                         dika
                                             dika@gmail.com
                                                                           informatika
                         dina
                                                                            kimia
                                             dina@gmail.com
```

<u>Praktikum – Bagian 2: Menggunakan DOMPDF dengan Codelgniter</u>

Dompdf merupakan salah satu *library* PHP untuk membuat PDF. Dompdf membuat PDF dari HTML, sehingga memudahkan *Programmer* yang biasa menggunakan CSS didalamnya.

Langkah	Keterangan
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1 Install extensions Composer pada visualCode Composer ikappas.composer Ioannis Kappas | ♀ 68,644 | ★★★★ | Repository | License PHP Composer for Visual Studio Code Disable ▼ Uninstall **Details** Contributions vscode-composer 2 Konfigurasi composer autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut 138 \$config['composer_autoload'] = "vendor/autoload.php"; 139 140 141 /* 3 Selanjutnya proses install dompdf menggunakan composer. Untuk menginstall dompdf menggunakan composer pastikan proses install tersebut pada folder codelgniter kita. Untuk perintah install dompdfnya seperti berikut composer require dompdf/dompdf Dimass-MacBook-Pro:Code-keenam-domPdf dimaswahyu\$ composer require dompdf/dompdf Using version ^0.8.3 for dompdf/dompdf ./composer.json has been updated loading composer repositories with package information Updating dependencies (including require—dev) Package operations: 27 installs, 0 updates, 0 ackage operations: 27 installs, 0 updates, 0 removals

Installing sabberworm/php-css-parser (8.1.0): Loading from cache

Installing phenx/php-svg-lib (v0.3.2): Loading from cache

Installing phenx/php-font-lib (0.5.1): Loading from cache

Installing dompdf/dompdf (v0.8.3): Loading from cache

Installing mikey179/vfsstream (v1.1.0): Loading from cache

Installing symfony/polyfill-ctype (v1.10.0): Loading from cache

Installing symfony/yaml (v3.4.22): Loading from cache Installing sebastian/version (1.0.6): Loading from cache
Installing sebastian/global-state (1.1.1): Loading from cache Installing sebastian/recursion-context (1.0.5): Loading from cache Installing sebastian/exporter (1.2.2): Loading from cache Installing sebastian/environment (1.3.8): Loading from cache Installing sebastian/diff (1.4.3): Loading from cache
Installing sebastian/comparator (1.2.4): Loading from cache Installing doctrine/instantiator (1.0.5): Loading from cache
Installing phpunit/php-text-template (1.2.1): Loading from cache
Installing phpunit/phpunit-mock-objects (2.3.8): Loading from cache Installing phpunit/php-timer (1.0.9): Loading from cache Installing phpunit/php-file-iterator (1.4.5): Loading from cache Installing phpunit/php-token-stream (1.4.12): Loading from cache Installing phpunit/php-code-coverage (2.2.4): Loading from cache Installing webmozart/assert (1.4.0): Loading from cache Installing phodocumentor/reflection-common (1.0.1): Loading from cache Installing phpdocumentor/type-resolver (0.3.0): Loading from cache Installing phydocumentor/reflection-docblock (3.2.2): Loading from cache Installing physpec/prophecy (1.8.0): Loading from cache Installing phynnit/phynnit (4.8.36): Loading from cache dompdf/dompdf suggests installing ext-imagick (Improves image processing performance) dompdf/dompdf suggests installing ext-gmagick (Improves image processing performance) symfony/yaml suggests installing symfony/console (For validating YAML files using the lint command) sebastian/global-state suggests installing ext-uopz (*) phpunit/php-code-coverage suggests installing ext-xdebug (>=2.2.1) phpunit/phpunit suggests installing phpunit/php—invoker (~1.1)
Package phpunit/phpunit—mock—objects is abandoned, you should avoid using it. No replacement was suggested. Writing lock file Generating autoload files 4 Buatlah file php dengan nama pdf.php pada libraries

5

```
<?php defined('BASEPATH') OR exit('No direct script access allowed');</pre>
use Dompdf\Dompdf;
class Pdf extends Dompdf{
     * PDF filename
     * @var String
    public $filename;
    public function __construct() {
      parent:: construct();
       $this->filename = "laporan.pdf";
     * Get an instance of CodeIgniter
     * @access protected
     * @return void
    protected function ci()
        return get_instance();
    public function load_view($view, $data = array()) {
        $html = $this->ci()->load->view($view, $data, TRUE);
        $this->load html($html);
        $this->render();
            $this->stream($this->filename, array("Attachment" => false));
    }
```

Setelah itu kita coba membuat sebuah **function** pada **controller user** dengan nama **laporan pdf**

```
public function laporan_pdf() {
    $this->load->library('pdf');
    $data['mahasiswa']= $this->cetak_model->view();
    $this->load->library('pdf');
    $this->pdf->setPaper('A4', 'potrait');
    $this->pdf->filename = "laporan-petanikode.pdf";
    $this->pdf->load_view('mahasiswa/laporan', $data);
}
```

Buat modelnya dengan nama cetak_model.php

6

Buat viewnya dengan nama laporan pada folder mahasiswa

```
application > views > mahasiswa > 🦬 laporan.php
      <!DOCTYPE html>
              <title>Report Table</title>
              <style type="text/css">
                  #outtable{
                     padding: 20px;
                      border: 1px solid #e3e3e3;
                     width: 600px;
                      border-radius: 5px;
                  .short{
                      width: 50px;
                  .normal{
                      width: 150px;
                     border-collapse: collapse;
                      font-family: arial;
                  thead th{
                      text-align: left;
                      padding: 10px;
                  tbody th{
                      border-top: 1px solid #e3e3e3;
                      padding: 10px;
                  tbody tr:nth-child(even){
                      background: #F6F5FA;
```

```
tbody tr:hover{
                               background: #EAE9F5
                       <div id="outbale">
                                   #
                                   Nama
                                   Email
                                   Jurusan
                               <?php $no=1; ?>
                               <?php foreach($mahasiswa as $user): ?>
                                        <?php echo $no; ?>
                                       <?php echo $user->nama; ?>
                                       <?php echo $user->email; ?>
                                        <?php echo $user->jurusan; ?>
                                   <?php $no++; ?>
                               <?php endforeach; ?>
7
        Buka file header_datatabels_user.php dan tambahkan link cetak laporan pada navbar line
           <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
            <div class="navbar-nav">
            <!-- <a class="nav-item nav-link" href="<?= base_url; ?>Home">Home</a> -->
              <a class="nav-item nav-link" href="<?= base_url(); ?>user/laporan_pdf">Cetak Laporan</a>
<a class="nav-item nav-link" href="<?= base_url(); ?>login/logout">Logout</a>
<!-- <a class="nav-item nav-link disabled" href="#">Disabled</a> -->
8
       Jika berhasil maka hasilnya seperti berikut
```

			_	
#	Nama	Email	Jurusan	
1	dina	dina@gmail.com	kimia	
2	dika	dika@gmail.com	informatika	
3	soni	soni@gmail.com	mesin	
4	mahanani	osa@gmail.com	kimia	
5	osa	osa@gmail.com	informatika	