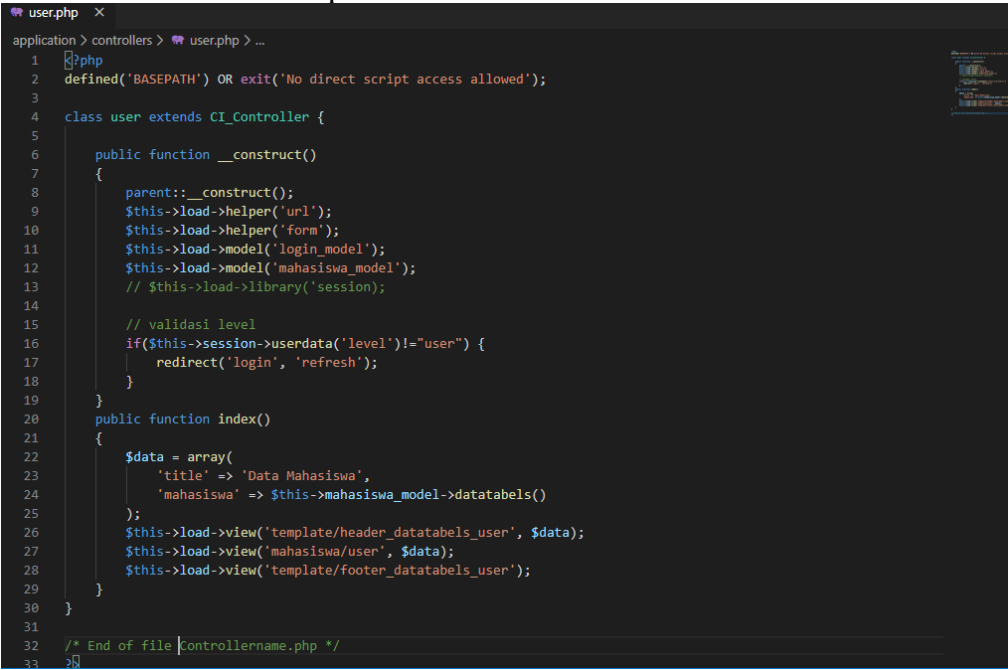




Nama : Septianda Reza Maulana
Kelas : TI-2A
NIM : 1841720135

Praktikum – Bagian 1: Menggunakan DataTables pada Halaman User

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 DataLabels 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 <i>offline</i> yaitu dengan cara mendownload pada situs https://datatables.net/
3	Tambahkan <i>code</i> berikut pada <i>controller user</i> 

4

Buatlah `header_datatables_user` dan `footer_datatables_user` pada `views/template`

- `header_datatables_user`

```
header_datatables_user.php X
application > views > template > header_datatables_user.php > html > body > nav.navbar.navbar-expand-lg.navbar-light.bg-light > div.container
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" integrity="sha384-3C9puAdm5HG5AuDMGwA5Ua15830470640Z18i230B3028x46fd1p695y" crossorigin="anonymous">
10
11 <title><?= $title ?></title>
12
13 <!-- <title>Hello, World!</title -->
14 <title><?= $title ?></title>
15
16 <script src="//ajax.googleapis.com/ajax/libs/jquery/1.10.2/jquery.min.js"></script>
17 <link rel="stylesheet" type="text/css" href="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.css"/>
18 <script type="text/javascript" src="https://cdn.datatables.net/v/dt-1.10.13/datatables.min.js"></script>
19 </head>
20 <body>
21
22 <!-- navbar -->
23 <nav class="navbar navbar-expand-lg navbar-light bg-light">
24 <div class="container">
25 <a class="navbar-brand" href="#">CI</a>
26 <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation"><span class="navbar-toggler-icon"></span>
27 </button>
28 <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
29 <div class="navbar-nav">
30 <!-- <a class="nav-item nav-link active" href="#">Home</a -->
31 <a class="nav-item nav-link" href="#">About</a>
32 <a class="nav-item nav-link" href="#">Login/Logout</a>
33 </div>
34 </div>
35 </nav>
36
37 <div class="container">
38 <div class="row">
39 <div class="col-md-12">
40 <h1 style="text-align: center; margin-bottom: 30px;">Data Mahasiswa </h1>
41 </div>
42 <table class="table table-striped table-bordered" id="list_mhs">
43 <thead>
44 <tr>
45 <th>#</th>
46 <th>Nama</th>
47 <th>Email</th>
48 <th>Jurusan</th>
49 </tr>
50 </thead>
51 <tbody>
52 <?php
53 $no = 1;
54 foreach($mahasiswa as $mhs) {?>
55 <tr>
56 <td><?= $no++></td>
57 <td><?= $mhs->nama;></td>
58 <td><?= $mhs->email;></td>
59 <td><?= $mhs->jurusan;></td>
60 </tr>
61 <?php } ?>
62 </tbody>
63 </table>
64 </div>
65 </div>
66 </body>
67 </html>
```

- `footer_datatables_user`

```
footer_datatables_user.php X
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" integrity="sha384-Chfqqxuz" crossorigin="anonymous"></script>
7 </body>
8 </html>
```

5

Tambahkan `code` berikut pada `views/mahasiswa/user`

```
user.php X
application > views > mahasiswa > user.php > div.container
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**

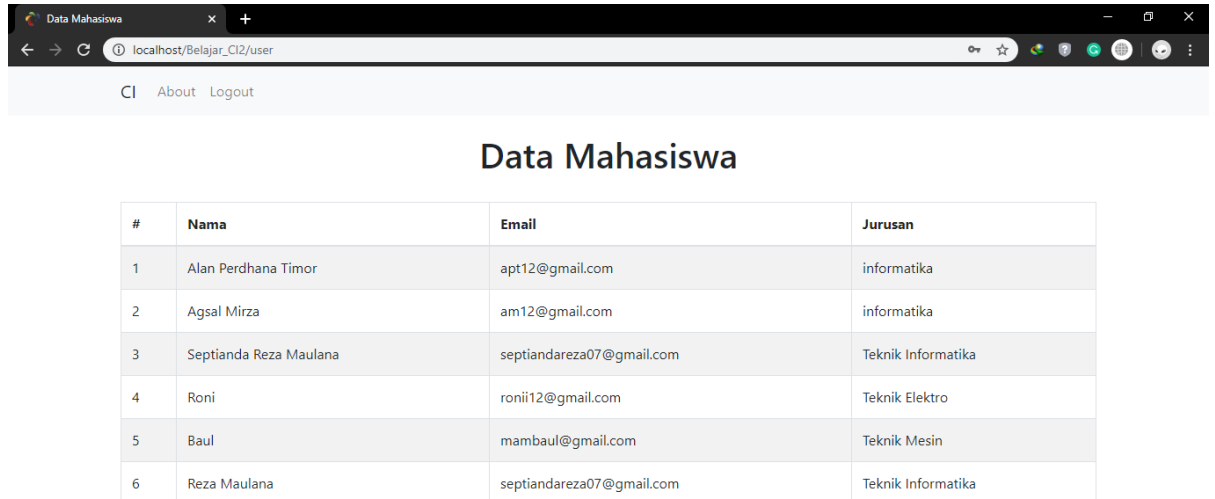
```

mahasiswa_model.php x
application > models > mahasiswa_model.php > Mahasiswa_model >.datatables
43     public function.datatables() {
44         $query = $this->db->order_by('id', 'DESC')->get('mahasiswa');
45         return $query->result();
46     }
47 }
48
49 /* End of file mahasiswa_model.php */
50 ?>

```

7

Hasil

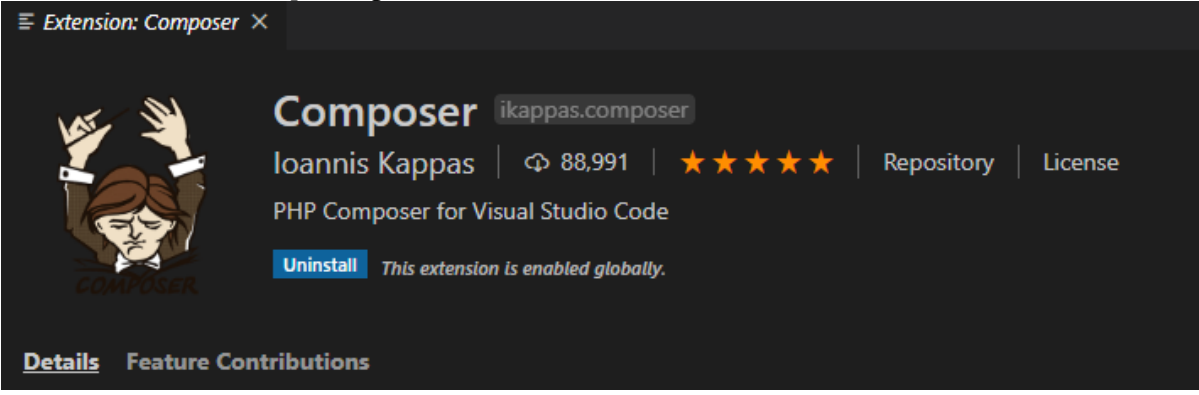
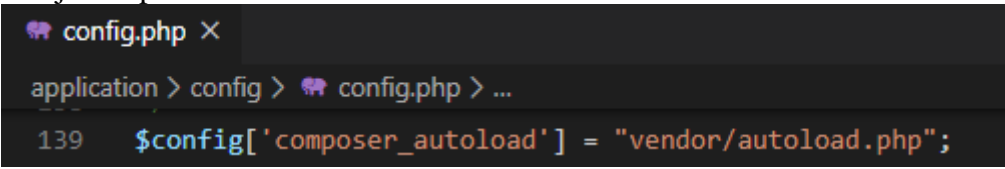
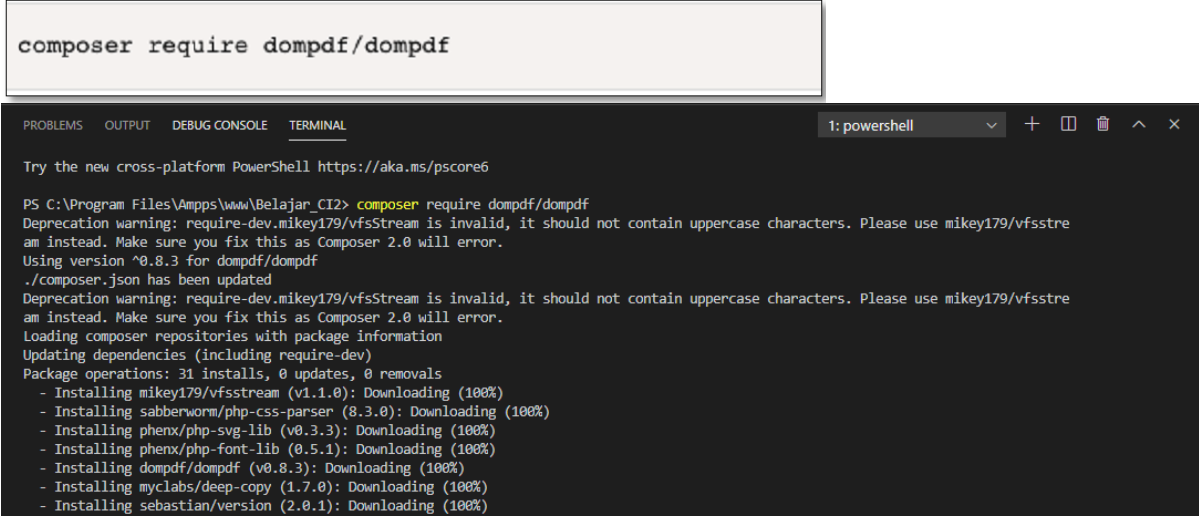


The screenshot shows a web browser window with the address bar displaying 'localhost/Belajar_CI2/user'. The page title is 'Data Mahasiswa'. Below the title, there is a table with the following data:

#	Nama	Email	Jurusan
1	Alan Perdana Timor	apt12@gmail.com	informatika
2	Agsal Mirza	am12@gmail.com	informatika
3	Septianda Reza Maulana	septiandareza07@gmail.com	Teknik Informatika
4	Roni	ronii12@gmail.com	Teknik Elektro
5	Baul	mambaul@gmail.com	Teknik Mesin
6	Reza Maulana	septiandareza07@gmail.com	Teknik Informatika

Praktikum – Bagian 2: Menggunakan DOMPdf dengan CodeIgniter

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

Langkah	Keterangan
1	<p>Install extensions Composer pada visualCode</p> 
2	<p>Konfigurasi composer_autoloadnya. Buka file application/config/config.php dan rubah menjadi seperti berikut</p> 
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

Buatlah file php dengan nama pdf.php pada *libraries*

```

pdf.php x
Belajar_CI2 > application > libraries > pdf.php > Pdf
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 }

```

5

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

```

user.php x
Belajar_CI2 > application > controllers > user.php > ...
30     public function laporan_pdf() {
31         $this->load->library('pdf');
32
33         $data['mahasiswa'] = $this->cetak_model->view();
34         $this->load->library('pdf');
35
36         $this->pdf->setPaper('A4', 'potrait');
37         $this->pdf->filename = "laporan-mahasiswa.pdf";
38         $this->pdf->load_view('mahasiswa/laporan', $data);
39     }
40 }

```

6

Buat **modelnya** dengan nama **cetak_model.php**

```

cetak_model.php X
Belajar_CI2 > application > models > cetak_model.php > ...
1  <?php
2  defined('BASEPATH') OR exit('No direct script access allowed');
3
4  class cetak_model extends CI_Model {
5      public function view() {
6          $this->db->select('nama, email, jurusan');
7          $query = $this->db->get('mahasiswa');
8          return $query->result();
9      }
10 }
11
12 /* End of file ModelName.php */
13 ?>

```

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

```

laporan.php X
Belajar_CI2 > application > views > mahasiswa > laporan.php > html > body > div#outtable > table > tbody
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Report Table</title>
5      <style type="text/css">
6          #outtable {
7              padding: 20px;
8              border: 1px solid #e3e3e3;
9              width: 600px;
10             border-radius: 5px;
11         }
12         .short {
13             width: 50px;
14         }
15         .normal {
16             width: 150px;
17         }
18         table {
19             border-collapse: collapse;
20             font-family: arial;
21             color: #5E5B5C;
22         }
23         thead th {
24             text-align: left;
25             padding: 10px;
26         }
27         tbody td {
28             border-top: 1px solid #e3e3e3;
29             padding: 10px;
30         }
31         tbody tr:nth-child(even) {
32             background: #F6F5FA;
33         }

```

```

laporan.php X
Belajar_CI2 > application > views > mahasiswa > laporan.php > html > body > div#outtable > table > tbody
34         tbody tr:hover {
35             background: #EAE9F5;
36         }
37     </style>
38 </head>
39 <body>
40     <!-- In production server. If you choose this, then coment the local server and uncomment this one -->
41     <!-- " alt="" -->
42     <!-- In your local server -->
43     <!-- " alt="" -->
44     <div id="outtable">
45         <table>
46             <thead>
47                 <tr>
48                     <th class="short">#</th>
49                     <th class="normal">Nama</th>
50                     <th class="normal">Email</th>
51                     <th class="normal">Jurusan</th>
52                 </tr>
53             </thead>
54             <tbody>
55                 <?php $no = 1; ?>
56                 <?php foreach($mahasiswa as $user): ?>
57                     <tr>
58                         <td><?php echo $no; ?></td>
59                         <td><?php echo $user->nama; ?></td>
60                         <td><?php echo $user->email; ?></td>
61                         <td><?php echo $user->jurusan; ?></td>
62                     </tr>
63                     <?php $no++; ?>
64                 <?php endforeach; ?>
65             </tbody>

```

```

laporan.php X
Belajar_CI2 > application > views > mahasiswa > laporan.php > html
65         </tbody>
66     </table>
67 </div>
68 </body>
69 </html>

```

7

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

```

header_datatables_user.php X
Belajar_CI2 > application > views > template > header_datatables_user.php > html > body > nav.navbar.navbar-expand-lg.navbar-light.bg-light
30     <div class="navbar-nav">
31         <!-- <a class="nav-item nav-link active" 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 </nav>

```

Jika berhasil maka hasilnya seperti berikut

laporan-mahasiswa.pdf - Adobe Acrobat Reader DC

File Edit View Window Help

Home Tools laporan-mahasiswa... x

119%

#	Nama	Email	Jurusan
1	Reza Maulana	septiandareza07@gmail.com	Teknik Informatika
2	Baul	mambaul@gmail.com	Teknik Mesin
3	Roni	ronii12@gmail.com	Teknik Elektro
4	Septianda Reza Maulana	septiandareza07@gmail.com	Teknik Informatika
5	Agsal Mirza	am12@gmail.com	informatika
6	Alan Perdhana Timor	apt12@gmail.com	informatika