

## Tugas Praktikum RPL DI modul 8

Diagram pada umumnya menggambarkan interaksi Actor dengan sistem dalam satu rangkaian masukan dan keluaran. Masukan dari Actor via IMK, akan direspon oleh aplikasi melalui pemanggilan method-method dari class-class yang saling berinteraksi, yang jika diperlukan sampai perlu mengakses tabel basis data yang relevan dengan SQL yang di-"embed" di bahasa pemrograman, lalu memberikan hasil pengaksesannya ke Actor via IMK lagi.

Implementasikan setidaknya satu Sequence Diagram yang dapat bekerja sesuai deskripsi di atas.

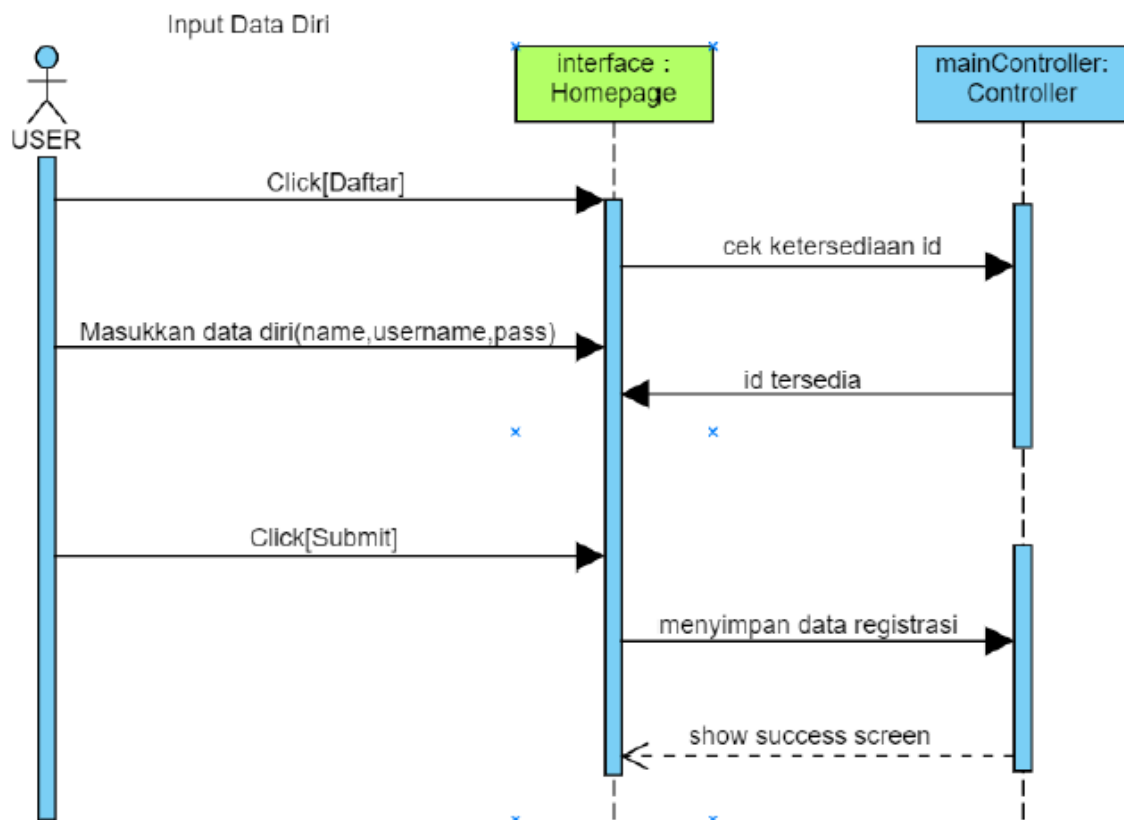
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### Sequence Diagram

Pada kesempatan kali ini kami akan mencoba melakukan implementasi terhadap user yang akan melakukan login ke aplikasi.

#### 3.1.1.2 Sequence Diagram



## Database User

+ Options										
				id	username	password	email	firstname	lastname	phone
<input type="checkbox"/>				1	adminkosan	\$2y\$10\$yfi5nUQGxUZtMdl27dWAYOd/jMOmATBpiUvJDmUu9hJ...	admin@admin.com	Admin	Aplikasi	80789998
<input type="checkbox"/>				2	admin1	\$2y\$10\$M0mndUzE0GT0DbGxh7gUOI3r1XEKa75Qgt83GO5FKs...	admin1@admin.com	admin1	admin	08192222222
<input type="checkbox"/>				3	usertest	usertest	user@email.com	user	test	082121
<input type="checkbox"/>				4	user01	user01	user01@gmail.com	user	01	29129
<div> <input type="checkbox"/> Check all    With selected:  Edit    Copy    Delete    Export</div>										

## Implementasi sequence diagram menggunakan Database sql

```
application > controllers > Auth.php > ...
1  <?php
2
3  defined('BASEPATH') OR exit('No direct script access allowed');
4
5  class Auth extends Admin_Controller
6  {
7
8      public function __construct()
9      {
10         parent::__construct();
11
12         $this->load->model('model_auth');
13     }
14
15     /*
16     Check if the login form is submitted, and validates the user credential
17     If not submitted it redirects to the login page
18     */
19     public function login()
20     {
21
22         $this->logged_in();
23
24         $this->form_validation->set_rules('email', 'Email', 'required');
25         $this->form_validation->set_rules('password', 'Password', 'required');
26
27         if ($this->form_validation->run() == TRUE) {
28             // true case
29             $email_exists = $this->model_auth->check_email($this->input->post('email'));
30
31             if ($email_exists == TRUE) {
32                 $login = $this->model_auth->login($this->input->post('email'), $this->input->post('password'));
33
34                 if ($login) {
35                     $logged_in_sess = array(
36                         'id' => $login['id'],
37                         'username' => $login['username'],
38                         'email' => $login['email'],
39                         'logged_in' => TRUE
40                     );
41
42                     $this->session->set_userdata($logged_in_sess);
43                     redirect('dashboard', 'refresh');
44                 }
45             }
46             else {
47                 $this->data['errors'] = 'Incorrect username/password combination';
48                 $this->load->view('login', $this->data);
49             }
50         }
51         else {
52             $this->data['errors'] = 'Email does not exists';
53             $this->load->view('login', $this->data);
54         }
55     }
56
57     // false case
58     $this->load->view('login');
59 }
60
61
62
63 /*
64 clears the session and redirects to login page
65 */
66 public function logout()
67 {
68     $this->session->sess_destroy();
69     redirect('auth/login', 'refresh');
70 }
71
72 }
73
```

## Tampilan Sementara

```
application > views > login.php > html > head
30 <link href="https://fonts.googleapis.com/css?family=Roboto:400,500,700,900" rel="stylesheet">
31
32 </head>
33 <body class="hold-transition login-page">
34 <div class="login-box">
35 <div class="login-logo">
36 <a href="{<?php echo base_url('auth'); ?>}"><b>Login Koskuy</b></a>
37 </div>
38 <!-- /.login-logo -->
39 <div class="login-box-body">
40 <p class="login-box-msg">Silahkan Login</p>
41
42 <?php echo validation_errors(); ?>
43
44 <?php if(!empty($errors)) {
45 | echo $errors;
46 } ?>
47
48 <form action="{<?php echo base_url('auth/login') ?>}" method="post">
49 <div class="form-group has-feedback">
50 <input type="email" class="form-control" name="email" id="email" placeholder="Email" autocomplete="off">
51 <span class="glyphicon glyphicon-envelope form-control-feedback"></span>
52 </div>
53 <div class="form-group has-feedback">
54 <input type="password" class="form-control" name="password" id="password" placeholder="Password" autocomplete="off">
55 <span class="glyphicon glyphicon-lock form-control-feedback"></span>
56 </div>
57 <div class="row">
58 <!-- /.col -->
59 <div class="col-xs-4">
60 <button type="submit" class="btn btn-primary btn-block btn-flat">Masuk</button>
61 </div>
62 <!-- /.col -->
63 </div>
64 </form>
65
66 </div>
67 <!-- /.login-box-body -->
68 </div>
69 <!-- /.login-box -->
70
```

