

Praktikum RPL Modul 7

Kelompok 8 :

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KEGIATAN PRAKTIKUM

1. a. Pilih bahasa pemrograman OO untuk implementasi program TUBES. Jelaskan alasan pemilihan Anda.

- Bahasa yang digunakan merupakan PHP karena bahasa pemrograman tersebut baik untuk digunakan dalam pengembangan website

b. Download compiler bahasa pemrograman tsb, dan install.

2. Implementasikan setidaknya tiga class dari Class Diagram yang ada di DPPL Anda dengan bahasa pemrograman yang telah Anda install :

a. Class paling sederhana (paling sedikit atribut & methodnya)

```
1  <?php
2
3  class M_login extends CI_Model{
4      function cek_login($table,$where){
5          return $this->db->get_where($table,$where);
6      }
7
8      function get_sesi($username,$password){
9          $this->db->where('username',$username);
10         $this->db->where('password',md5($password));
11         $result = $this->db->get('user',1);
12         return $result;
13     }
14 }
```

b. Class yang sedang (jumlah atribut & methodnya "rata-rata")

```
1  <?php
2
3  /**
4   *
5   */
6  class User_m extends CI_model
7  {
8
9      public function disp_user()
10     {
11         return $this->db->get('user')->result_array();
12     }
13
14
15
16     public function tambah_user(){
17
18
19
20         $data = [
21
22             "username" => $this->input->post('username',true),
23             "password" => md5($this->input->post('password',true)),
24             "auth_pass" => $this->input->post('password',true),
25             "email" => $this->input->post('email',true),
26             "user_role" => $this->input->post('user_role',true)
27         ];
28
29         $this->db->insert('user',$data);
30
31     }
32
```

```

30
31 }
32
33 public function hapus($id){
34     $this->db->where('id',$id);
35     $this->db->delete('user');
36 }
37
38 public function getbyId($id){
39     return $this->db->get_where('user', ['id'=>$id])->row_array();
40 }
41
42 public function update(){
43     $data = [
44
45         "username" => $this->input->post('username',true),
46         "password" => md5($this->input->post('auth_pass',true)),
47         "email" => $this->input->post('email',true),
48         "user_role" => $this->input->post('user_role',true),
49         "auth_pass" => $this->input->post('auth_pass',true)
50     ];
51
52
53     $this->db->where('id', $this->input->post('id'));
54     $this->db->update('user',$data);
55
56 }
57

```

c. Class yang paling kompleks (paling banyak atribut & methodnya, atau mengandung kode untuk pengksesan API soal Tugas Pendahuluan, atau yang mengandung aspek "kecerdasan buatan" (jika ada))

```

1  <?php
2
3  /**
4   *
5   */
6  class Pinjam_m extends CI_model
7  {
8
9      public function disp_pinjam()
10     {
11         $this->db->select('*');
12         $this->db->from('sedang_dipinjam');
13         $this->db->join('user', 'user.id=sedang_dipinjam.id_user', 'left');
14         $this->db->join ( 'buku', 'buku.id_buku = sedang_dipinjam.id_buku' , 'left' );
15         $query = $this->db->get ();
16         return $query->result_array();
17     }
18
19
20     public function disp_konf()
21     {
22         $this->db->select('*');
23         $this->db->from('butuh_konfirmasi');
24         $this->db->join('user', 'user.id=butuh_konfirmasi.id_user', 'left');
25         $this->db->join ( 'buku', 'buku.id_buku = butuh_konfirmasi.id_buku' , 'left' );
26         $query = $this->db->get ();
27         return $query->result_array();
28     }
29

```

```

32     public function tambah_user(){
33
34
35
36         $data = [
37
38             "username" => $this->input->post('username',true),
39             "password" => md5($this->input->post('password',true)),
40             "auth_pass" => $this->input->post('password',true),
41             "email" => $this->input->post('email',true),
42             "user_role" => $this->input->post('user_role',true)
43         ];
44
45         $this->db->insert('user',$data);
46
47     }
48
49
50     public function getbyId($id){
51         return $this->db->get_where('peminjaman_buku', ['id_pinjam'=>$id])>row_array();
52     }

```

```

56     public function addriwayat(){
57         $data = [
58             "id_user" => $this->input->post('id_user',true),
59             "id_buku" => $this->input->post('id_buku',true),
60             "tanggal_kembali" => $this->input->post('tanggal_kembali',true)
61         ];
62
63         $this->db->insert('riwayat',$data);
64         if($this->db->affected_rows() > 0){
65             return $this->db->insert_id();
66         }
67         else {
68             return false;
69         }
70     }
71 }
72
73 public function delriwayat($id_pinjam){
74     $this->db->where('id_pinjam',$id_pinjam);
75     $this->db->delete('sedang_dipinjam');
76 }
77

```

```

80     public function addkonfirmasi(){
81         $data = [
82             "id_user" => $this->input->post('id_user',true),
83             "id_buku" => $this->input->post('id_buku',true),
84             "status_pinjaman" => $this->input->post('status_pinjaman',true)
85         ];
86
87         $this->db->insert('sedang_dipinjam',$data);
88         if($this->db->affected_rows() > 0){
89             return $this->db->insert_id();
90         }
91         else {
92             return false;
93         }
94     }
95 }
96
97 public function delmemintakonf($id_sdpinjam){
98     $this->db->where('id_sdpinjam',$id_sdpinjam);
99     $this->db->delete('butuh_konfirmasi');
100 }
101 }
102

```