

PEMROGRAMAN WEB BERBASIS SERVICE

(Penjelasan Program)



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**PROGRAM STUDI S1 INFORMATIKA
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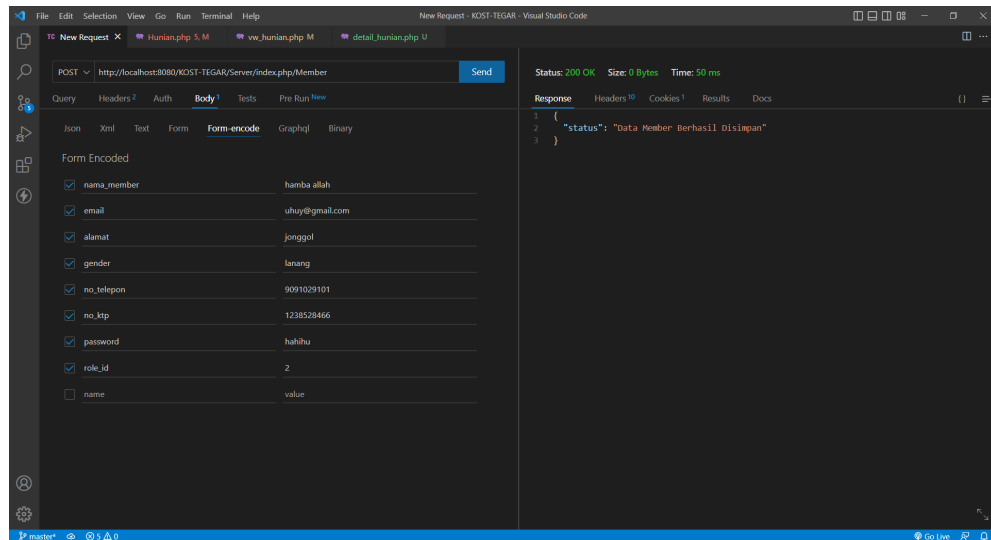
Server (Back-End)

1. Server Member

Server member memiliki fungsi yaitu di antaranya :

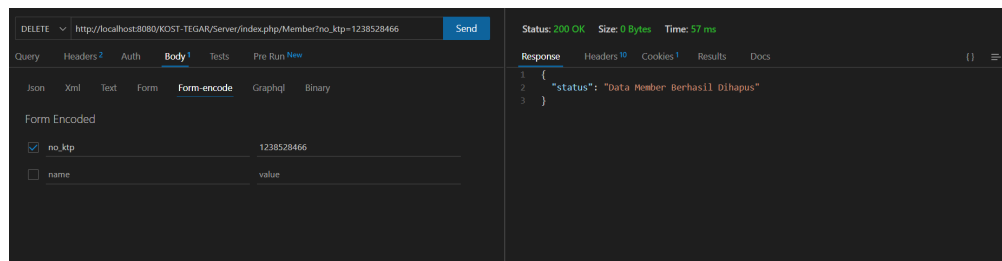
a. Tambah Data Member

Tambah data member berfungsi untuk menambahkan data member baru.



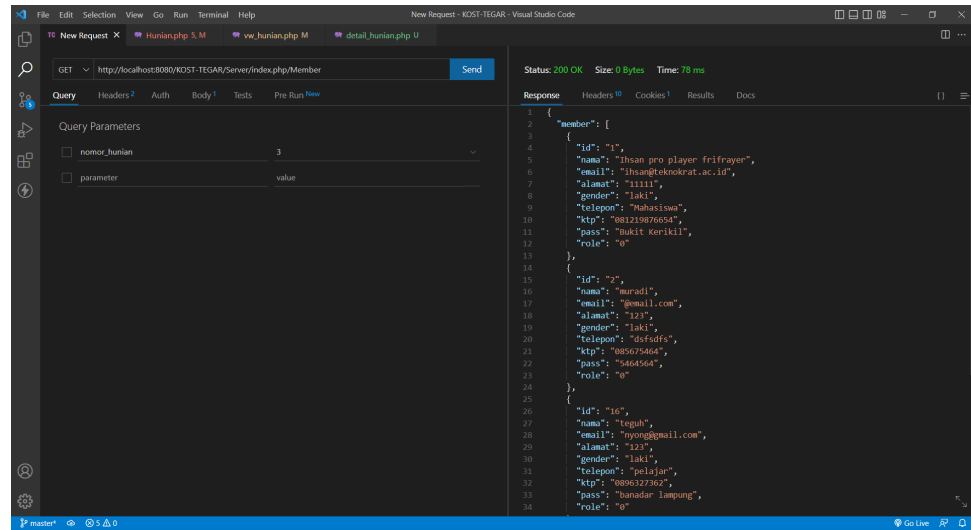
b. Hapus Data Member

Hapus data member berfungsi untuk menghapus data member.



c. Get Member

get member digunakan untuk menampilkan data member.



Codingan Untuk Server Member :

Model :

```
class Mmember extends CI_Model
{
    // Buat Method untuk tampil data
    function get_data($token)
    {
        $this->db->select("id_member AS id,
            nama_member AS nama,
            email AS email,
            alamat AS alamat,
            gender AS gender,
            no_telepon AS telepon,
            no_ktp AS ktp,
            password AS pass,
            role_id as role
        ");
        $this->db->from("member");

        // Jika token() ada
        if(!empty($token))
        {
            $this->db->where("TO_BASE64(no_ktp) = '$token' OR TO_BASE64(nama_member) = '$token'");
        }

        $this->db->order_by("id_member", "ASC");

        $query = $this->db->get()->result();
        return $query;
    }
}
```

fungsi get_data() untuk mengambil data dari database dan diurutkan berdasarkan id_member

```

function save_data($nama_member,$email,$alamat,$gender,$no_telepon,$no_ktp,$password,$role_id,$token)
{
    // cek Jika apakah no_ktp sudah ada
    $this->db->select("no_ktp");
    $this->db->from("member");
    $this->db->where("TO_BASE64(no_ktp) = '$token'");
    // Eksekusi Query
    $query = $this->db->get()->result();
    // Jika no_ktp tidak ada
    if(count($query) == 0)
    {
        // isi untuk nilai masing masing field
        $data = array(
            "nama_member" => $nama_member,
            "email" => $email,
            "alamat" => $alamat,
            "gender" => $gender,
            "no_telepon" => $no_telepon,
            "no_ktp" => $no_ktp,
            "password" => $password,
            "role_id" => $role_id,
        );
        // Simpan Data ke table Member
        $this->db->insert("member",$data);
        // beri nilai hasil=0
        $hasil = 0;
    }
    // Jika no_ktp ada
    else
    {
        // beri nilai hasil=1
        $hasil = 1;
    }
    return $hasil;
}

```

fungsi save_data() digunakan untuk mengirim data ke database, berdasarkan no ktp, jika no ktp sudah ada maka memberikan hasil = 0 dan jika belum ada hasil = 1

```

    // Membuat fungsi hapus data
function delete_data($token)
{
    // Cek apakah "no_ktp" ada atau tidak
    $this->db->select("no_ktp");
    $this->db->from("member");
    $this->db->where("TO_BASE64(no_ktp) = '$token'");
    // Eksekusi Query
    $query = $this->db->get()->result();
    // Jika no_ktp ditemukan
    if(count($query) == 1)
    {
        // Hapus data member
        $this->db->where("TO_BASE64(no_ktp) = '$token'");
        $this->db->delete("member");
        // kirim nilai hasil 1
        $hasil = 1;
    }
    // Jika email tidak ditemukan
    else
    {
        // kirim nilai 0
        $hasil = 0;
    }
    // Kirim variabel hasil ke "Controller" Member
    return $hasil;
}
}

```

delete_data() digunakan untuk delete data pada database berdasarkan no ktp yang dipilih, jika no ktp ada maka data dihapus dan memberikan hasil = 1 jika tidak ada maka hasil = 0

Controller :

```

// Buat fungsi get
function service_get()
{
    // Mengambil parameter token(nomor_hunian)
    $token = $this->get("email");

    // Panggil Fungsi "get_data()"
    $hasil = $this->mdl->get_data(base64_encode($token));

    $this->response(array("member" => $hasil), 200);
}

```

fungsi service_get digunakan untuk menampilkan data dari database

```

// Buat Fungsi "POST"
function service_post()
{
    // Ambli parameter data yang akan diisi
    $data = array(
        "nama_member" => $this->post("nama_member"),
        "email" => $this->post("email"),
        "alamat" => $this->post("alamat"),
        "gender" => $this->post("gender"),
        "no_telepon" => $this->post("no_telepon"),
        "no_ktp" => $this->post("no_ktp"),
        "password" => $this->post("password"),
        "role_id" => $this->post("role_id"),
        "token" => base64_encode($this->post("email"))
    );

    // panggil method save_data()
    $hasil = $this->mdl->save_data($data["nama_member"],$data["email"],$data["alamat"],$data
["gender"],$data["no_telepon"],$data["no_ktp"],$data["password"],$data["role_id"],$data
["token"]);
    // Jika Hasil = 0
    if($hasil == 0)
    {
        $this->response(array("status" => "Data Member Berhasil Disimpan"), 200);
    }
    // Jika hasil !=0
    else
    {
        $this->response(array("status" => "Data Member Gagal Disimpan"), 200);
    }
}
}

```

service_post digunakan untuk menampung data yang diinput kan, lalu dikirim kan ke model hingga diproses oleh save_data(). Jika \$hasil yang diberikan oleh model sama dengan 0 maka memberikan pesan (data berhasil disimpan) jika sama dengan 1 maka pesan (data gagal disimpan)

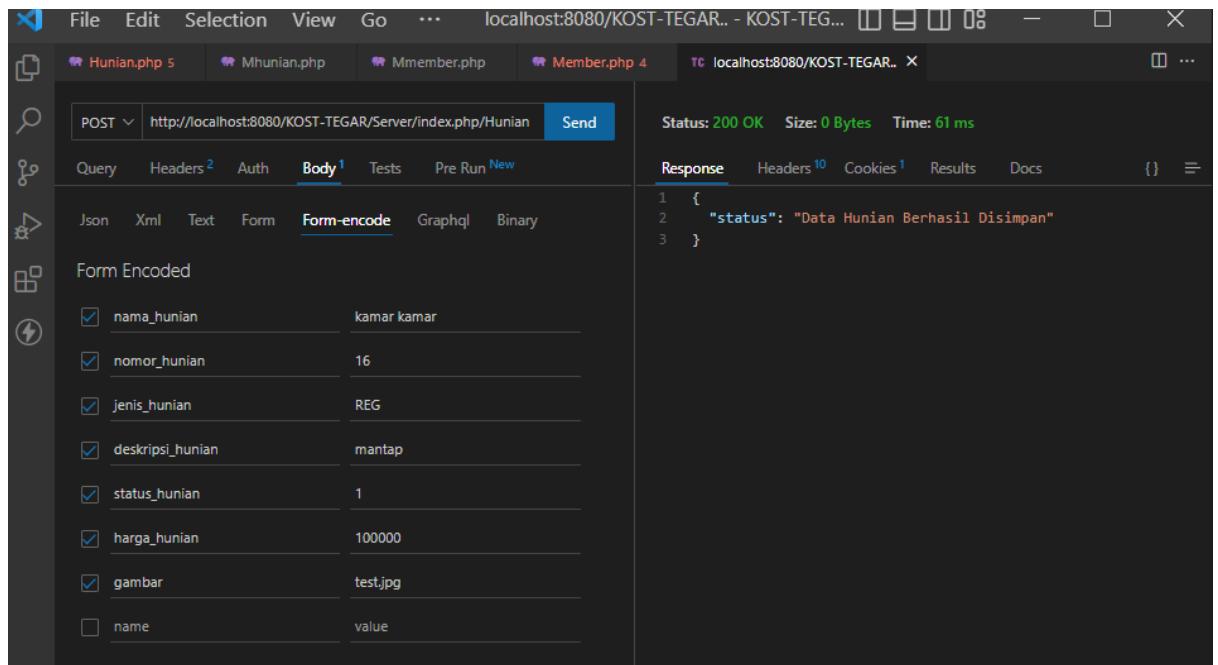
```

    // Buat Fungsi "DELETE"
function service_delete()
{
    // ambil parameter token("email")
    $token = $this->delete("no_ktp");
    // Panggil fungsi "delete_data"
    $hasil = $this->mdl->delete_data(base64_encode($token));
    // jika proses delete berhasil
    if ($hasil == 1) {
        $this->response(array("status" => "Data Member Berhasil Dihapus"), 200);
    }
    // Jika proses delete gagal
    else {
        $this->response(array("status" => "Data Member Gagal Dihapus"), 200);
    }
}
}

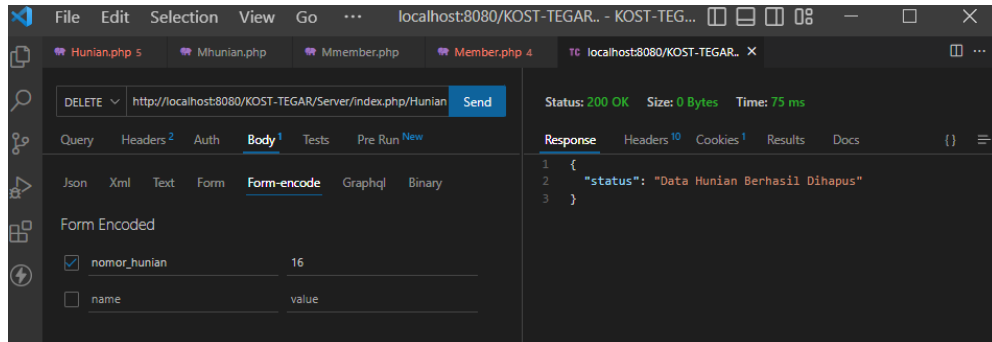
```

service_delete() digunakan untuk menampung parameter yang diinput yaitu no ktp, lalu dikirim ke model untuk diproses oleh fungsi delete_data. jika \$hasil yang diberikan model = 1 maka (data berhasil dihapus) jika =0 maka (data gagal dihapus).

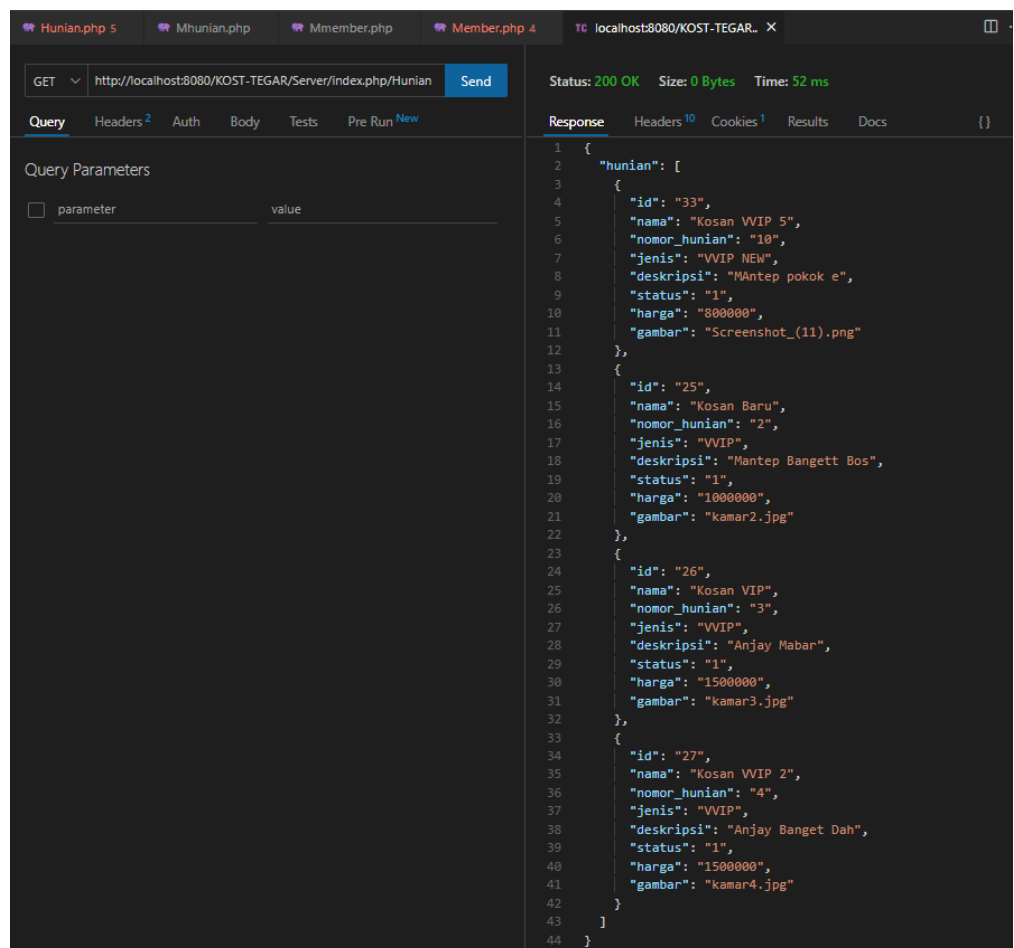
2. Server Hunian
 - a. Tambah Data Hunian



b. Hapus Data Hunian



c. Get Data Hunian



Berikut ini adalah coding untuk Server (Hunian)

Model :

```
class Mhunian extends CI_Model
{
    // Buat Method untuk tampil data
    function get_data($token)
    {
        // Mendapatkan nama gambar
        // $nameImg = $this->db->select("gambar");
        // $this->db->from("hunian");
        // $image_path = $nameImg['name'];

        $this->db->select("id_hunian AS id,
            nama_hunian AS nama,
            nomor_hunian AS nomor_hunian,
            jenis_hunian AS jenis,
            deskripsi_hunian AS deskripsi,
            status_hunian AS status,
            harga_hunian AS harga,
            gambar AS gambar
        ");
        $this->db->from("hunian");

        // Jika token(nomor_hunian) ada
        if(!empty($token))
        {
            $this->db->where("TO_BASE64(nomor_hunian) = '$token' OR TO_BASE64(nama_hunian) = '$token'");
        }

        $this->db->order_by("nomor_hunian", "ASC");

        $query = $this->db->get()->result();
        return $query;
    }
}
```

fungsi get_data() untuk mengambil data hunian/kamar dari database dan diurutkan berdasarkan nomor_hunian.

```

function save_data($nama_hunian,$nomor_hunian,$jenis_hunian,$deskripsi_hunian,$status_hunian,
$harga_hunian,$gambar,$token)
{
    $this->db->select("nomor_hunian");
    $this->db->from("hunian");
    $this->db->where("TO_BASE64(nomor_hunian) = '$token'");
    // Eksekusi Query
    $query = $this->db->get()->result();
    // Jika nomor_hunian sudah ada
    if(count($query) == 0)
    {
        // isi untuk nilai masing masing field
        $data = array(
            "nama_hunian" => $nama_hunian,
            "nomor_hunian" => $nomor_hunian,
            "jenis_hunian" => $jenis_hunian,
            "deskripsi_hunian" => $deskripsi_hunian,
            "status_hunian" => $status_hunian,
            "harga_hunian" => $harga_hunian,
            "gambar" => $gambar,
        );
        // Simpan Data ke table Hunian
        $this->db->insert("hunian",$data);
        // beri nilai hasil=0
        $hasil = 0;
    }
    // Jika npm tidak ditemukan
    else
    {
        // beri nilai hasil=1
        $hasil = 1;
    }
    return $hasil;
}

```

fungsi save_data() digunakan untuk mengirim data ke database, berdasarkan nomor hunian, jika nomor hunian belum ada maka data dikirim ke database dan memberikan hasil = 0 dan jika belum ada hasil = 1

```

// Membuat fungsi hapus data
function delete_data($token)
{
    // Cek apakah "nomor_hunian" ada atau tidak
    $this->db->select("nomor_hunian");
    $this->db->from("hunian");
    $this->db->where("TO_BASE64(nomor_hunian) = '$token'");
    // Eksekusi Query
    $query = $this->db->get()->result();
    // Jika nomor_hunian ditemukan
    if(count($query) == 1)
    {
        // Hapus data hunian
        $this->db->where("TO_BASE64(nomor_hunian) = '$token'");
        $this->db->delete("hunian");
        // kirim nilai hasil 1
        $hasil = 1;
    }
    // Jika nomor_hunian tidak ditemukan
    else
    {
        // kirim nilai 0
        $hasil = 0;
    }
    // Kirim variabel hasil ke "Controller" Hunian
    return $hasil;
}

```

delete_data() digunakan untuk delete data pada database berdasarkan nomor hunian yang dipilih, jika nomor hunian ada maka data dihapus dan memberikan hasil = 1 jika tidak ada maka hasil = 0

Controller :

```

// Buat Fungsi "GET"
function service_get()
{
    // Mengambil parameter token(nomor_hunian)
    $token = $this->get("nomor_hunian");

    // Panggil Fungsi "get_data()"
    $hasil = $this->mdl->get_data(base64_encode($token));

    $this->response(array("hunian" => $hasil), 200);
}

```

fungsi get_data() untuk menampilkan data hunian/kamar dari database.

```

// Buat Fungsi "POST"
function service_post()
{
    // $file = $_FILES['gambar'];

    // $path = "uploads/hunian";
    // $nmfile = "".time();

    // if(!empty($file['name'])) {
    //     $config['upload_path'] = './'.$path;
    //     $config['allowed_types'] = "jpg|jpeg|png";
    //     $config['filename'] = $nmfile;
    //     $config['max_size'] = 2048;
    //     $this->upload->initialize($config);

    //     if($this->upload->do_upload('gambar')) {
    //         // Untuk Mendapatkan Gambar Yang di upload
    //         $uploadData = $this->upload->data();
    //         // $path_file = './'.$path.$uploadData['file_name'];
    //     }
    // }

    // Ambli parameter data yang akan diisi
    $data = array(
        "nama_hunian" => $this->post("nama_hunian"),
        "nomor_hunian" => $this->post("nomor_hunian"),
        "jenis_hunian" => $this->post("jenis_hunian"),
        "deskripsi_hunian" => $this->post("deskripsi_hunian"),
        "status_hunian" => $this->post("status_hunian"),
        "harga_hunian" => $this->post("harga_hunian"),
        "gambar" => $this->post("gambar"),
        "token" => base64_encode($this->post("nomor_hunian"))
    );

    // panggil method save_data()
    $hasil = $this->mdl->save_data($data["nama_hunian"],$data["nomor_hunian"],$data["jenis_hunian"],
    $data["deskripsi_hunian"],$data["status_hunian"],$data["harga_hunian"],$data["gambar"],$data
    ["token"]);
    // Jika Hasil = 0
    if($hasil == 0)
    {
        $this->response(array("status" => "Data Hunian Berhasil Disimpan"), 200);
    }
    // Jika hasil !=0
    else
    {
        $this->response(array("status" => "Data Hunian Gagal Disimpan"), 200);
    }
}

```

fungsi service_post() digunakan untuk menampung data yang diinput lalu dikirimkan ke model untuk diproses.

```

        // Buat Fungsi "DELETE"
function service_delete()
{
    // ambil parameter token("nomor_hunian")
    $token = $this->delete("nomor_hunian");
    // Panggil fungsi "delete_data"
    $hasil = $this->mdl->delete_data(base64_encode($token));
    // jika proses delete berhasil
    if ($hasil == 1) {
        $this->response(array("status" => "Data Hunian Berhasil Dihapus"), 200);
    }
    // Jika proses delete gagal
    else {
        $this->response(array("status" => "Data Hunian Gagal Dihapus"), 200);
    }
}

function service_detail()
{
    $hasil = $this->mdl->detail_hunian();
    $this->response(array("detail" => $hasil), 200);
}

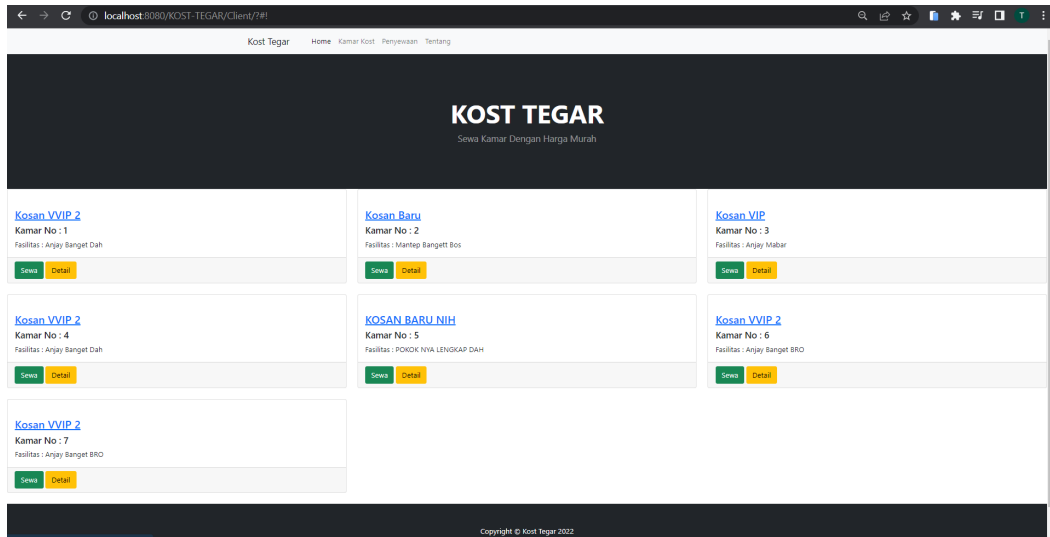
```

fungsi service_delete() digunakan untuk menghapus data hunian berdasarkan nomor_hunian yang dipilih, lalu dikirim ke model untuk diproses.

Client (Front-End)

1. View Hunian/Kamar

pada halaman view hunian dapat digunakan untuk menampilkan semua daftar kamar. Namun masih belum bisa untuk get gambar atau menampilkan gambar dari server

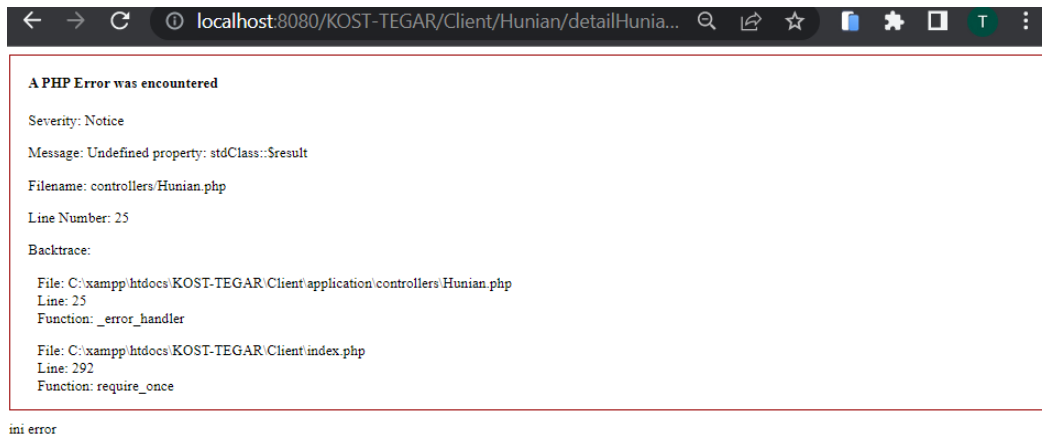


berikut ini adalah codingnya :

```
Client > application > views > vw_hunian.php > html > body > div.row > div.col-12.col-md-6.mb-4 > div.card.h-100 > div.card-body > h5
43 |
44 |     </div>
45 | </nav>
46 | <!-- Header-->
47 | <header class="bg-dark py-5">
48 |     <div class="container px-4 px-lg-5 my-5">
49 |         <div class="text-center text-white">
50 |             <h1 class="display-4 fw-bolder">KOST TEGAR</h1>
51 |             <p class="lead fw-normal text-white-50 mb-0">Sewa Kamar Dengan Harga Murah</p>
52 |         </div>
53 |     </div>
54 | </header>
55 | <!-- Section-->
56 | <div class="row">
57 |
58 |     <?php
59 |
60 |     $no = 1;
61 |     foreach ( $stampil -> hunian as $result )
62 |     {
63 |
64 |
65 |     <div class="col-12 col-md-6 mb-4">
66 |         <div class="card h-100">
67 |             <a href="#"></a>
68 |             <div class="card-body">
69 |                 <h4 class="card-title">
70 |                     <a href="#"><?php echo $result->nama; ?></a>
71 |                 </h4>
72 |                 <h5>Kamar No : <?php echo $result->nomor_hunian; ?></h5>
73 |                 <p class="card-text">Fasilitas : <?php echo $result->deskripsi; ?></p>
74 |             </div>
75 |             <div class="card-footer">
76 |                 <!-- Buat tombol sewa kamar berdasarkan ketersediaan kamar-->
77 |                 <?php
78 |                 if($result->status == "0") {
79 |                     echo "<span class='btn btn-danger' disabled>Telah Disewa</span>";
80 |                 }else{
81 |                     echo anchor('ini fungsi untuk tambah sewa',$result->id, '<button class="btn btn-success">Sewa</button>');
82 |                 }
83 |                 <button class="btn btn-warning" id="btn_detail" title="Detail Kamar" onclick="return gotoDetail('<?php echo $result->nomor_hunian; ?>')">
84 |                     Detail
85 |                 </button>
86 |             </div>
87 |         </div>
88 |     </div>
89 | </div>
90 |
91 |     <?php
92 |     $no++;
93 | }
94 | </div>
95 |
96 | <!-- Footer-->
97 | <footer class="py-5 bg-dark">
```

2. View Detail Hunian (error)

Halaman View ini untuk menampilkan detail kamar yang dipilih user pada view Hunian. Namun masih ada error juga.



3. Fungsi Detail Hunian

Fungsi detail hunian digunakan untuk menampilkan detail hunian/kamar (Masih error)

```

public function detailHunian()
{
    $token = $this->uri->segment(4);

    $stampil = json_decode($this->client->simple_get(APIHUNIAN, array("nomor_hunian" => $token)));

    if ($stampil->result == 0) {
        // echo $stampil->error;
        echo("ini error");
    } else {
        foreach ($stampil->hunian as $result) {
            // echo $result->nama_mhs."<br>";
            $data = array(
                "nama_hunian" => $result->nama_hunian,
                "nomor_hunian" => $result->nomor_hunian,
                "jenis_hunian" => $result->jenis_hunian,
                "deskripsi_hunian" => $result->deskripsi_hunian,
                "status_hunian" => $result->status_hunian,
                "harga_hunian" => $result->harga_hunian,
                "gambar" => $result->gambar,
                "token" => $token,
            );
        }
        $this->load->view('detail_hunian', $data);
    }
}

```

Ini adalah code untuk fungsi menampilkan detail kamar


```

Client > application > views > detail_hunian.php > html > body > div.container > div.card > div.card-body > div.row > div.table
37 > <button class="btn btn-outline-dark" type="submit">
38 > <i class="bi-cart-fill me-1"></i>
39 > Cart
40 > <span class="badge bg-dark text-white ms-1 rounded-pill">0</span>
41 > </button>
42 > </form>
43 > </div>
44 > </div>
45 > </nav>
46 >
47 > <!-- Section-->
48 > <div class="container">
49 > <div style="height: 150px;"></div>
50 >
51 > <div class="card">
52 > <div class="card-body">
53 >
54 > <div class="row">
55 > <div class="">
56 > 
57 > </div>
58 > <div class="table" style="margin-top: 10px;">
59 > <table class="table">
60 > <tr>
61 > <th>Nama Kamar</th>
62 > <td><?=$dt->nama_hunian; ?></td>
63 > </tr>
64 > <tr>
65 > <th>No Kamar</th>
66 > <td><?=$dt->nomor_hunian; ?></td>
67 > </tr>
68 >
69 > <tr>
70 > <th>Jenis</th>
71 > <td><?=$dt->jenis_hunian; ?></td>
72 > </tr>
73 >
74 > <tr>
75 > <th>Fasilitas</th>
76 > <td><?=$dt->deskripsi_hunian; ?></td>
77 > </tr>
78 >
79 > <tr>
80 > <th>Status</th>
81 > <td>
82 > <?php if($dt->status_hunian == '1'){
83 > | echo "Tersedia";
84 > | }
85 > | else{
86 > | echo "Tidak tersedia / Sudah Disewa";
87 > | } ?>
88 > </td>
89 >
90 > </tr>
91 >
92 > <tr>

```

4. View Login

Progres login pada pengumpulan tugas ke 2 halaman login belum bisa dijalankan karena masih tampilan saja, belum dibuat pada bagian back-end.

berikut ini coding login

```

Client > application > views > #login.php
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta content="width=device-width, initial-scale=1, maximum-scale=1, shrink-to-fit=no" name="viewport">
6 <title>Kost Vagor</title>
7
8 <!-- General CSS Files -->
9 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" integrity="sha384-p8H1KHYFnx16ZINfiNM9ZULm601vhQylVa3mCRC7B" crossorigin="anonymous">
10 <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.7.2/css/all.css" integrity="sha384-fnOC3QJ5I/R4na4MCRkyMG/0tVK29a5cgjrqthwdeRn0e7696V8" crossorigin="anonymous">
11
12 <!-- Template CSS -->
13 <link rel="stylesheet" href="{% base_url('assets/assets_style') %}assets/css/style.css">
14 <link rel="stylesheet" href="{% base_url('assets/assets_style') %}assets/css/components.css">
15 </head>
16
17 <body>
18 <div id="app">
19 <section class="section">
20 <div class="container mt-5">
21 <div class="row">
22 <div class="col-12 col-sm-8 offset-sm-2 col-md-6 offset-md-3 col-lg-6 offset-lg-3 col-xl-4 offset-xl-4">
23 <div class="login-brand">
24 
25 </div>
26
27 <div class="card card-primary">
28 <div class="card-header"><h4>Login</h4></div>
29
30 <!-- <span class="w-2">{<%= $this->session->flashdata('pesan') %}</span> -->
31
32 <div class="card-body">
33 <form method="POST" action="{% base_url('url/login') %}">
34 <div class="form-group">
35 <label for="username">Username</label>
36 <input id="username" type="text" class="form-control" name="username" tabindex="1" autofocus>
37 <div form_error('username', '<div class="text-small text-danger">{<%= $this->session->flashdata('pesan') %}</div>')>
38 </div>
39
40 <div class="form-group">
41 <div class="d-block">
42 <label for="password" class="control-label">Password</label>
43 </div>
44 <input id="password" type="password" class="form-control" name="password" tabindex="2">
45 <div form_error('password', '<div class="text-small text-danger">{<%= $this->session->flashdata('pesan') %}</div>')>
46 </div>
47
48 <div class="form-group">

```


Client (admin)

1. Kamar
 - untuk mengelola data kamar
 - a. view data kamar













Admin Kost Tegar

APP KOST TEGAR

- Dashboard
- Data Kamar
- Data Tipe
- Data Member
- Transaksi
- Laporan
- Logout
- Ganti Password

Data Kamar

[Tambah Data](#)

No	Gambar	Nama Kamar	Nomor Kamar	Jenis	Deskripsi	Status	Aksi
1.		Kosan VVIP 5	10	VVIP NEW	MAntep pokok e	Tersedia	  
3.		Kosan Baru	2	VVIP	Mantep Banggett Bos	Tersedia	  
5.		Kosan VIP	3	VVIP	Anjay Mabar	Tersedia	  
7.		Kosan VVIP 2	4	VVIP	Anjay Bangget Dah	Tersedia	  

- b. tambah data kamar

Admin Kost Tegar

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Form Tambah Data Kamar

Nama Kamar

Nomor Kamar

Jenis Kamar

Deskripsi Kamar

Status Kamar

Harga Sewa perhari

Nama File Gambar

Discusikan dengan nama file foto yang akan di upload. Ex : fotokamar.jpg

Gambar

Disarankan Upload Foto Tipe Landscape !!!

[Simpan](#) [Reset](#)

2. Member
 - Untuk mengelola data member
 - a. View data member

APP KOST TEGAR

Dashboard

Data Kamar

Data Tipe

Data Member

Transaksi

Laporan

Logout

Ganti Password

Admin Kost Tegar

Data Member

Tambah Member

Role = 1 (admin) Role = 0 (Customer)

No	Nama	Email	Alamat	Gender	No.Telepon	No.KTP	Password	Role	Aksi
1.	teguh	nyong@gmail.com	123	Laki	11111111	0896327362	123	0	<div></div> <div></div>
3.	budi	budi@gmail.com	disana	lanang	8080808080	7136491469	qwerty	1	<div></div> <div></div>

b. Tambah data Member

APP KOST TEGAR

Dashboard

Data Kamar

Data Tipe

Data Member

Transaksi

Laporan

Logout

Ganti Password

Admin Kost Tegar

Form Tambah Data Member

Nama Member

No. Telepon

Email

No KTP

Alamat

Password

Gender

Role

--Pilih--

--Pilih--

Simpan

Reset