

LAPORAN PRAKTIKUM
PEMROGRAMAN WEB LANJUT



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2024



Jurusan Teknologi Informasi Politeknik Negeri Malang
Praktikum Pemrograman WEB Lanjut
Mata Kuliah Praktikum Pemrograman WEB Lanjut
Pengampu: Tim Ajar Praktikum Pemrograman WEB Lanjut
March 2024

| | | |
|-------|---|-------------------|
| Nama | : | Thoriq Fathurrozi |
| Nim | : | 2241720052 |
| Kelas | : | 2H |

Praktikum 1

```
3 references | 0 implementations | You, 39 seconds ago | 2 authors (You and others)
class UserModel extends Model
{
    use HasFactory;
    0 references
    protected $table = 'm_user'; //m_user is the table name
    0 references
    protected $primaryKey = 'user_id'; //user_id is the primary key

    0 references
    protected $fillable = [
        'level_id',
        'username',
        'nama',
        'password',
    ];
}
You, 2 seconds ago • Uncommitted changes
```



```
$data =[
    'level_id' => 2,
    'username' => 'manager_2',
    'nama' => 'Manager 2',
    'password' => Hash::make('12345'),
];
UserModel::create($data); //add data to m_user table    You,

//access data from m_user table
$user = UserModel::all(); //get all data from m_user table
return view('user', ['data' => $user]);
```

data bertambah satu di database

Data User

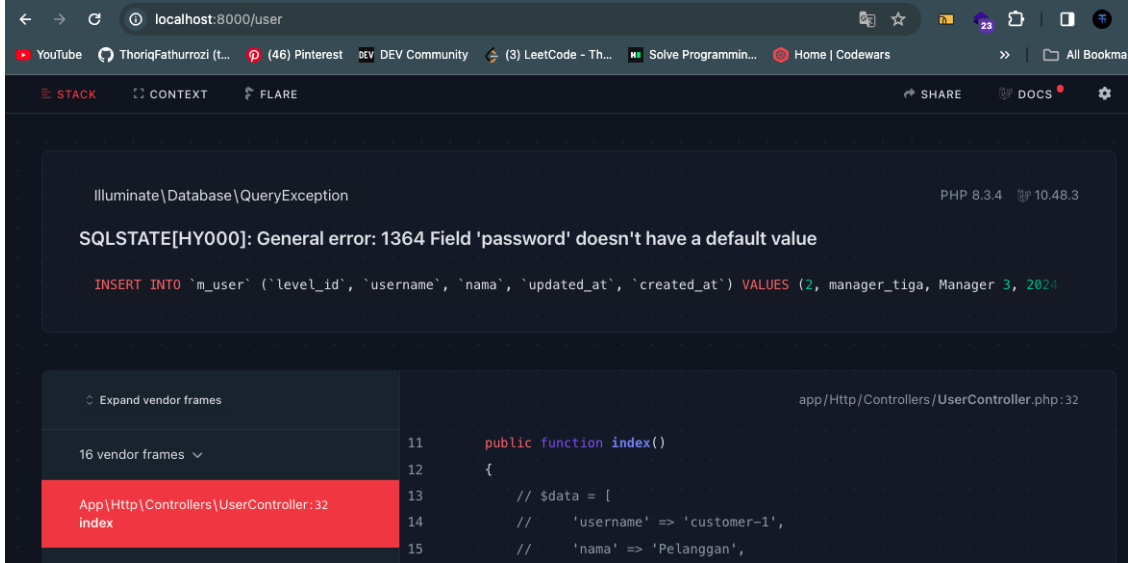
| ID | Username | Nama | ID Level Pengguna |
|----|------------|-------------------|-------------------|
| 1 | admin | Administrator | 1 |
| 2 | manager | Manager | 2 |
| 3 | staff | Staff/Kasir | 3 |
| 4 | customer-1 | Pelanggan Pertama | 4 |
| 5 | manager_2 | Manager 2 | 2 |



| | |
|--|---|
| | <pre>protected \$fillable = ['level_id', 'username', 'nama', // 'password',]; thoriq fathurrozi, last week</pre> |
| | <pre>\$data = ['level_id' => 2, 'username' => 'manager_tiga', 'nama' => 'Manager 3', 'password' => Hash::make('12345'),]; UserModel::create(\$data); //add data to m_user table</pre> |
| | <p>Terjadi Error karena field password yang seharusnya ada di field database tidak terisi dan pada kode juga tidak memiliki nilai default</p> |




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```
Illuminate\Database\QueryException
SQLSTATE[HY000]: General error: 1364 Field 'password' doesn't have a default value
INSERT INTO `m_user` (`level_id`, `username`, `nama`, `updated_at`, `created_at`) VALUES (2, manager_tiga, Manager 3, 2024-03-04 10:48:32, 2024-03-04 10:48:32)

app/Http/Controllers/UserController.php:32
11 public function index()
12 {
13     // $data = [
14     //     'username' => 'customer-1',
15     //     'nama' => 'Pelanggan',
```

Praktikum 2.1



```
// $data = [
//     'username' => 'customer-1',
//     'nama' => 'Pelanggan',
// ];

$user = UserModel::find(1);
return view('user', ['data' => $user]);
```



```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Data User</title>
</head>

<body>
  <h1>Data User</h1>
  <table border="1" cellpadding="2" cellspacing="2">
    <tr>
      <th>ID</th>
      <th>Username</th>
      <th>Nama</th>
      <th>ID Level Pengguna</th>
    </tr>
    <tr>
      <td>{{ $data→user_id }}</td>
      <td>{{ $data→username }}</td>
      <td>{{ $data→nama }}</td>
      <td>{{ $data→level_id }}</td>
    </tr>
  </table>
</body>

</html>
```

menampilkan satu buah data saja

Data User

ThoriqFathurrozi (thoriq_frrzy)
<https://github.com/ThoriqFathurrozi>

| ID | Username | Nama | ID Level Pengguna |
|----|----------|---------------|-------------------|
| 1 | admin | Administrator | 1 |



```
// $user = UserModel::all(); //get all data from m_user table

$user = UserModel::where('level_id', 1)→first(); //get data from m_user table where level_id = 1
return view('user', ['data' ⇒ $user]);
```

sama seperti sebelumnya

Data User

| ID | Username | Nama | ID Level Pengguna |
|----|----------|---------------|-------------------|
| 1 | admin | Administrator | 1 |

```
$user = UserModel::firstWhere('level_id', 1); //get data from m_user table where level_id = 1
return view('user', ['data' ⇒ $user]);
```

sama saja

Data User

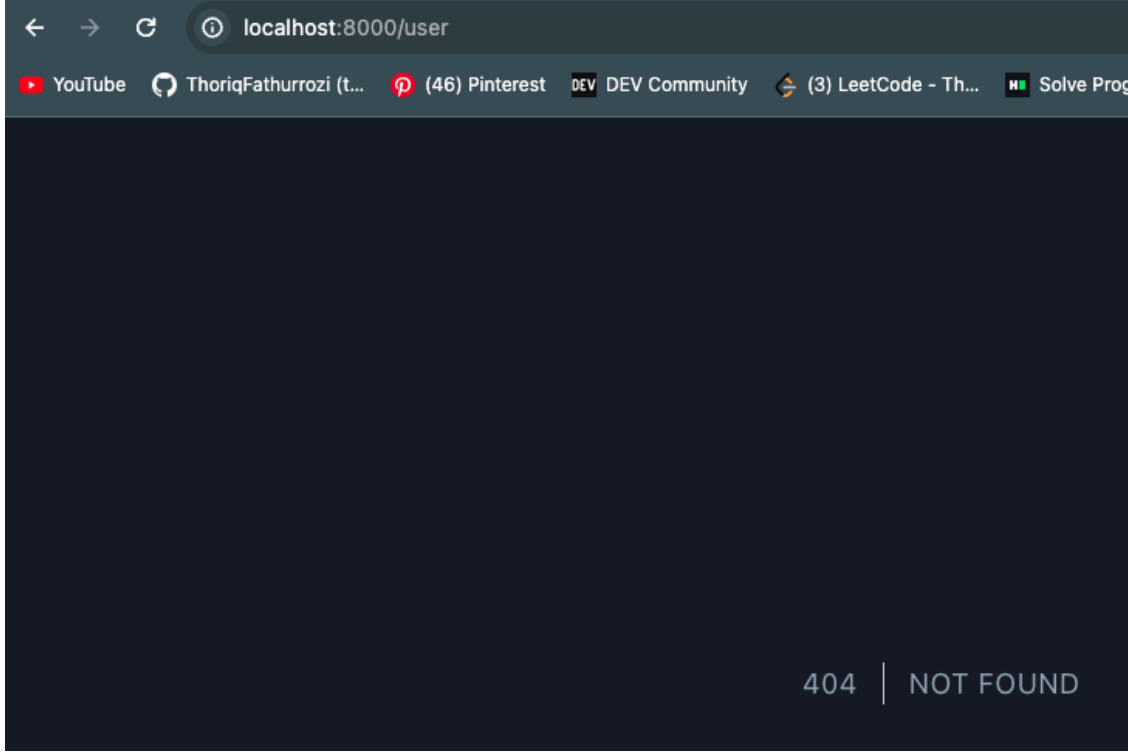

| ID | Username | Nama | ID Level Pengguna |
|----|----------|---------------|-------------------|
| 1 | admin | Administrator | 1 |

```
// $user = UserModel::where('level_id', 1)→first();
$user = UserModel::findOr(1, ['username', 'nama'], function () {
    abort(404);
});
return view('user', ['data' ⇒ $user]);
```



| | <pre>// \$user = UserModel::where('level_id', 1)→first(); \$user = UserModel::findOr(1, ['username', 'nama'], function () { abort(404); }); return view('user', ['data' ⇒ \$user]);</pre> | | | | | | | | |
|----|--|---------------|-------------------|------|-------------------|--|-------|---------------|--|
| | <p>hanya data dari username dan nama saja yang dikembalikan sehingga id kosong</p> <h2>Data User</h2> <table><tr><th>ID</th><th>Username</th><th>Nama</th><th>ID Level Pengguna</th></tr><tr><td></td><td>admin</td><td>Administrator</td><td></td></tr></table> | ID | Username | Nama | ID Level Pengguna | | admin | Administrator | |
| ID | Username | Nama | ID Level Pengguna | | | | | | |
| | admin | Administrator | | | | | | | |
| | <pre>\$user = UserModel::findOr(20, ['username', 'nama'], function () { abort(404); }); return view('user', ['data' ⇒ \$user]);</pre> | | | | | | | | |
| | <p>mendapati not found kerana data tidak mencapai 20 maka function block yang akan dijalankan</p> | | | | | | | | |



| | |
|----------------------------------|--|
| |  |
| Praktikum 2.2 | |
| |  |
| menampilkan satu data ke halaman | |

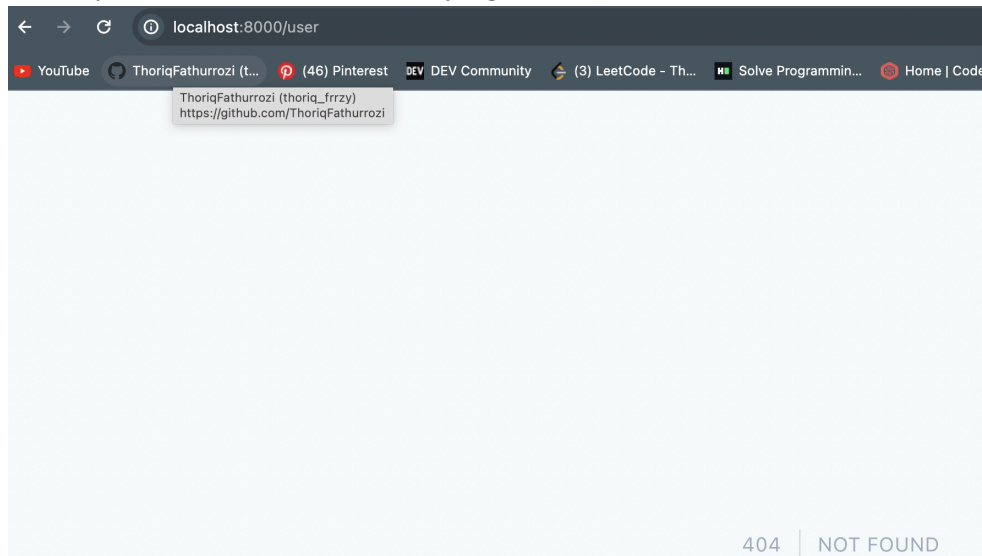


Data User

| ID | Username | Nama | ID Level Pengguna |
|----|----------|---------------|-------------------|
| 1 | admin | Administrator | 1 |

```
$user = UserModel::where('username', 'manager9')->firstOrFail();  
return view('user', ['data' => $user]);
```

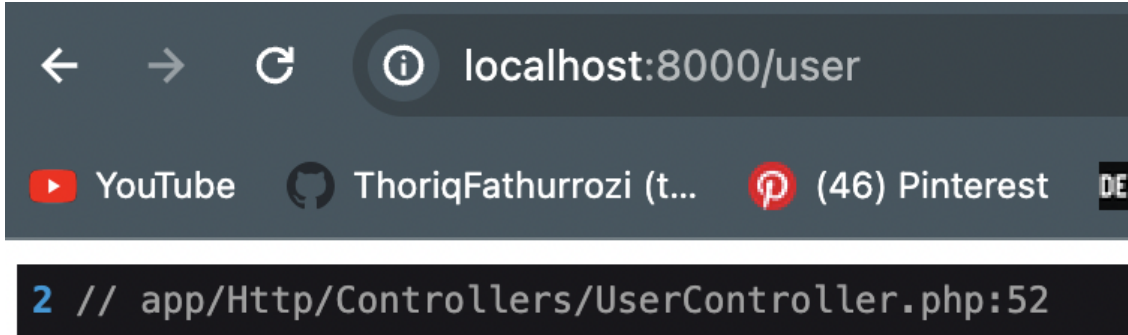

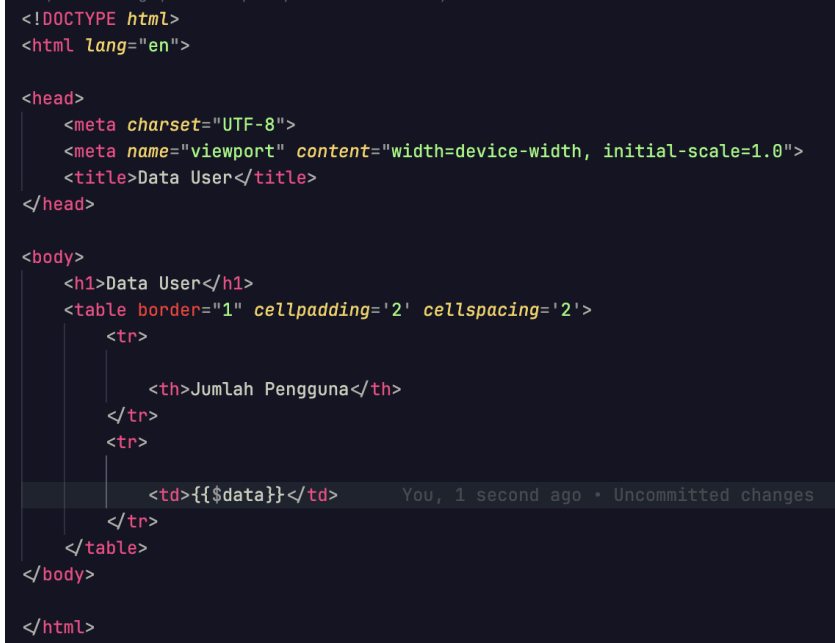
menampilkan not found karena data yang di cari tidak di temukan

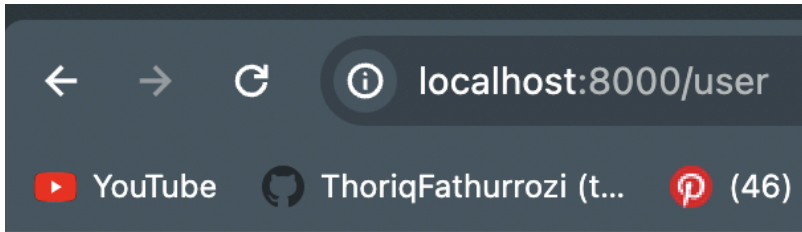


Praktikum 2.3

```
$user = UserModel::where('level_id', 2)->count();  
dd($user);  
return view('user', ['data' => $user]);
```



| | |
|--|--|
| |  |
| |  |
| |  |



Data User

| |
|------------------------|
| Jumlah Pengguna |
| 2 |

Praktikum 2.4

```
$user = UserModel::firstOrCreate([
    'username' => 'manager',
    'nama' => 'Manager',
]);

return view('user', ['data' => $user]);
```



```
<body>
  <h1>Data User</h1>
  <table border="1" cellpadding="2" cellspacing="2">
    <tr>
      <th>ID</th>
      <th>Username</th>
      <th>Nama</th>
      <th>ID Level Pengguna</th>
    </tr>
    <tr>
      <td>{{ $data → user_id }}</td>
      <td>{{ $data → username }}</td>
      <td>{{ $data → nama }}</td>
      <td>{{ $data → level_id }}</td>
    </tr>
  </table>
</body>

</html>
```

menampilkan data yang sudah di create

Data User

| ID | Username | Nama | ID Level Pengguna |
|----|----------|---------|-------------------|
| 2 | manager | Manager | 2 |



```
$user = UserModel::firstOrCreate([
    'username' => 'manager33',
    'nama' => 'Manager Tiga Tiga',
    'password' => Hash::make('12345'),
    'level_id' => 2,
]);

return view('user', ['data' => $user]);
```

Data User

| ID | Username | Nama | ID Level Pengguna |
|----|-----------|-------------------|-------------------|
| | manager33 | Manager Tiga Tiga | 2 |

data yang dibuat tidak tersimpan kedalam database

| | | user_id | level_id | username | nama | password |
|--------------------------|------------------|---------|----------|------------|-------------------|--|
| <input type="checkbox"/> | Edit Copy Delete | 1 | 1 | admin | Administrator | \$2y\$12\$SrK136Danq7GiMULsVKzLOZp1WhfK35XvTizVbA1Uq8... |
| <input type="checkbox"/> | Edit Copy Delete | 2 | 2 | manager | Manager | \$2y\$12\$J09YLNmcm3iG5zaBAB9TOTNOc.3J9xdL.apKhMjKz8... |
| <input type="checkbox"/> | Edit Copy Delete | 3 | 3 | staff | Staff/Kasir | \$2y\$12\$0UEVsZOLDAH6UWHqEQu/yuYOg2E6kEvQv7odEnUjvfM... |
| <input type="checkbox"/> | Edit Copy Delete | 4 | 4 | customer-1 | Pelanggan Pertama | \$2y\$12\$x.yJoNUbqFZ/RMZYMGxx.eXqu7op2m2ch6aR5ZX7WmA... |
| <input type="checkbox"/> | Edit Copy Delete | 5 | 2 | manager_2 | Manager 2 | \$2y\$12\$S3TWMswdZOpb3jStEXlet.PnFnGxkiXvt2N8tSKXJgT... |



```
$user = UserModel::firstOrCreate([
    'username' => 'manager33',
    'nama' => 'Manager Tiga Tiga',
    'password' => Hash::make('12345'),
    'level_id' => 2,
]);
$user->save();

return view('user', ['data' => $user]);
```

Data User

| ID | Username | Nama | ID Level Pengguna |
|----|-----------|-------------------|-------------------|
| 6 | manager33 | Manager Tiga Tiga | 2 |

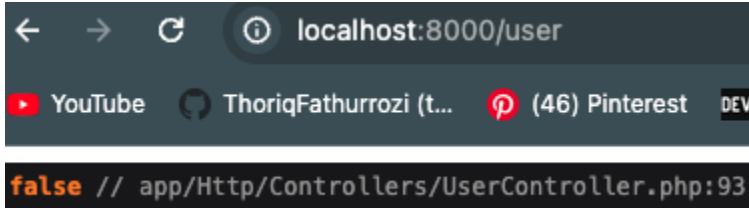
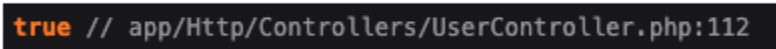
data tersimpan ke dalam database dengan fungsi save()

| | | | user_id | level_id | username | nama | password |
|--------------------------|------|------|---------|----------|----------|------------|-------------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 1 | 1 | admin | Administrator |
| <input type="checkbox"/> | Edit | Copy | Delete | 2 | 2 | manager | Manager |
| <input type="checkbox"/> | Edit | Copy | Delete | 3 | 3 | staff | Staff/Kasir |
| <input type="checkbox"/> | Edit | Copy | Delete | 4 | 4 | customer-1 | Pelanggan Pertama |
| <input type="checkbox"/> | Edit | Copy | Delete | 5 | 2 | manager-2 | Manager 2 |
| <input type="checkbox"/> | Edit | Copy | Delete | 6 | 2 | manager33 | Manager Tiga Tiga |

Praktikum 2.5

mengembalikan false karena atribut masih belum dimodifikasi setelah di save



| | |
|---------------|---|
| |  |
| | <pre>\$user = UserModel::create(['username' => 'manager11', 'nama' => 'Manager11', 'password' => Hash::make('12345'), 'level_id' => 2,]); \$user->username = 'manager12'; \$user->save(); \$user->wasChanged(); //true \$user->wasChanged('username'); //true \$user->wasChanged(['username', 'level_id']); //true \$user->wasChanged('nama'); //false dd(\$user->wasChanged(['nama', 'username'])); //true</pre> |
| | <p>karena sudah merubah salah satu yakni username</p>  |
| Praktikum 2.6 | |



```
<body>
  <h1>Data User</h1>
  <a href="/user/tambah">+ Tambah User</a>
  <table border="1" cellpadding="2" cellspacing="2">
    <tr>
      <th>ID</th>
      <th>Username</th>
      <th>Nama</th>
      <th>ID Level Pengguna</th>
      <th>Aksi</th>
    </tr>
    @foreach($data as $d)
      <tr>
        <td>{{ $d → user_id }}</td>
        <td>{{ $d → username }}</td>
        <td>{{ $d → nama }}</td>
        <td>{{ $d → level_id }}</td>
        <td>
          <a href="/user/ubah/{{ $d → user_id }}">Ubah</a>
          <a href="/user/hapus/{{ $d → user_id }}">Hapus</a>
        </td>
      </tr>
    @endforeach
  </table>
</body>
```

```
$user = UserModel::all();
return view('user', ['data' => $user]);
```

Menampilkan seluruh data dari user serta ada aksi CRUD



Data User

[+ Tambah User](#)

| ID | Username | Nama | ID Level Pengguna | Aksi |
|----|------------|-------------------|-------------------|----------------------------|
| 1 | admin | Administrator | 1 | Ubah Hapus |
| 2 | manager | Manager | 2 | Ubah Hapus |
| 3 | staff | Staff/Kasir | 3 | Ubah Hapus |
| 4 | customer-1 | Pelanggan Pertama | 4 | Ubah Hapus |
| 5 | manager_2 | Manager 2 | 2 | Ubah Hapus |
| 6 | manager33 | Manager Tiga Tiga | 2 | Ubah Hapus |
| 7 | manager56 | Manager55 | 2 | Ubah Hapus |
| 8 | manager12 | Manager11 | 2 | Ubah Hapus |

```
<body>
  <h1>Form Tambah Data User</h1>
  <form action="/user/tambah_simpan" method="post">
    {{csrf_field()}}
    <label for="username">Username</label>
    <input type="text" name="username" id="username" placeholder="Masukkan Username">
    <br>
    <label for="nama">Nama</label>
    <input type="text" name="nama" id="nama" placeholder="Masukkan Nama">
    <br>
    <label for="password">Password</label>
    <input type="password" name="password" id="password" placeholder="Masukkan Password">
    <br>
    <label for="level_id">Level ID</label>
    <input type="number" name="level_id" id="level_id" placeholder="Masukkan ID Level">
    <br>
    <input type="submit" value="Simpan">
  </form>
</body>
```

```
Route::get('/user/tambah', [UserController::class, 'tambah']);
```



| | |
|--|---|
| | <pre>Reference 0 overrides public function tambah() { You, 8 seconds ago • Unco return view('user_tambah'); }</pre> |
| | <p>menampilkan form untuk melakukan penambahan user</p> <h2>Form Tambah Data User</h2> <p>Username <input type="text" value="Masukkan Username"/></p> <p>Nama <input type="text" value="Masukkan Nama"/></p> <p>Password <input type="password" value="Masukkan Password"/></p> <p>Level ID <input type="text" value="Masukkan ID Level"/></p> <p><input type="button" value="Simpan"/></p> |
| | <pre>Route::post('/user/tambah_simpan', [UserController::class, 'tambah_simpan']);</pre> |
| | <pre>Reference 0 overrides public function tambah_simpan(Request \$request) { UserModel::create(['username' => \$request->username, 'nama' => \$request->nama, 'password' => Hash::make(\$request->password), 'level_id' => \$request->level_id,]); return redirect('/user'); }</pre> |



Form Tambah Data User

Username

Nama

Password

Level ID

Data User

[+ Tambah User](#)

| ID | Username | Nama | ID Level Pengguna | Aksi |
|----|------------|-------------------|-------------------|----------------------------|
| 1 | admin | Administrator | 1 | Ubah Hapus |
| 2 | manager | Manager | 2 | Ubah Hapus |
| 3 | staff | Staff/Kasir | 3 | Ubah Hapus |
| 4 | customer-1 | Pelanggan Pertama | 4 | Ubah Hapus |
| 5 | manager_2 | Manager 2 | 2 | Ubah Hapus |
| 6 | manager33 | Manager Tiga Tiga | 2 | Ubah Hapus |
| 7 | manager56 | Manager55 | 2 | Ubah Hapus |
| 8 | manager12 | Manager11 | 2 | Ubah Hapus |
| 9 | Thoriq | Thoriq Fathurrozi | 2 | Ubah Hapus |

data berhasil ditambahkan kedalam database melalui form Tambah User



```
<body>
<h1>Form Ubah Data User</h1>
<a href="/user">Kembali</a>
<br><br>
<form action="/user/ubah_simpan/{{ $data->user_id }}" method="post">
    {{csrf_field()}}
    {{method_field('PUT')}}
    <label for="username">Username</label>
    <input type="text" name="username" id="username" value="{{ $data->username }}" placeholder="Masukkan Username">
    <br>
    <label for="nama">Nama</label>
    <input type="text" name="nama" id="nama" value="{{ $data->nama }}" placeholder="Masukkan Nama">
    <br>
    <label for="password">Password</label>
    <input type="password" name="password" id="password" value="{{ $data->password }}" placeholder="Masukkan Password">
    <br>
    <label for="level_id">Level ID</label>
    <input type="number" name="level_id" id="level_id" value="{{ $data->level_id }}" placeholder="Masukkan ID Level">
    <br>
    <input type="submit" value="Ubah">
</form>
</body>
```

```
Route::get('/user/ubah/{id}', [UserController::class, 'ubah']);
```

```
1 reference | 0 overrides
public function ubah($id)
{
    $user = UserModel::find($id);
    return view('user_ubah', ['data' => $user]);
}
```

thoriq fathurrozi, last week • feat: add pr

Form Ubah Data User

[Kembali](#)

Username

Nama

Password

Level ID

menampilkan data yang akan diubah pada form



```
Route::put('/user/ubah_simpan/{id}', [UserController::class, 'ubah_simpan']);
```

```
public function ubah_simpan(Request $request, $id)
```

```
    $user = UserModel::find($id);
```

```
    $user->username = $request->username;
```

```
    $user->nama = $request->nama;
```

```
    $user->password = Hash::make($request->password);
```

```
    $user->level_id = $request->level_id;
```

```
    $user->save();
```

You, 49 minutes ago • feat: Praktikum 2.5 Attribute Ch

```
    return redirect('/user');
```

Form Ubah Data User

[Kembali](#)

Username

Nama

Password

Level ID

Form Ubah Data User

[Kembali](#)

Username

Nama

Password

Level ID



Data User

[+ Tambah User](#)

| ID | Username | Nama | ID Level Pengguna | Aksi |
|----|------------|-------------------|-------------------|----------------------------|
| 1 | admin | Administrator | 1 | Ubah Hapus |
| 2 | manager | Manager | 2 | Ubah Hapus |
| 3 | staff | Staff/Kasir | 3 | Ubah Hapus |
| 4 | customer-1 | Pelanggan Pertama | 4 | Ubah Hapus |
| 5 | manager_2 | Manager 2 | 2 | Ubah Hapus |
| 6 | manager33 | Manager Tiga Tiga | 2 | Ubah Hapus |
| 7 | manager56 | Manager55 | 2 | Ubah Hapus |
| 8 | manager12 | Manager11 | 2 | Ubah Hapus |
| 9 | Thoriq 14 | Thoriq Fathurrozi | 2 | Ubah Hapus |

data di database seketika berubah saat di simpan

```
Route::get('/user/hapus/{id}', [UserController::class, 'hapus']);
```

```
public function hapus($id)
{
    $user = UserModel::find($id);
    $user->delete();
    return redirect('/user');
}
```



Data User

[+ Tambah User](#)

| ID | Username | Nama | ID Level Pengguna | Aksi |
|----|------------|-------------------|-------------------|----------------------------|
| 1 | admin | Administrator | 1 | Ubah Hapus |
| 2 | manager | Manager | 2 | Ubah Hapus |
| 3 | staff | Staff/Kasir | 3 | Ubah Hapus |
| 4 | customer-1 | Pelanggan Pertama | 4 | Ubah Hapus |
| 5 | manager_2 | Manager 2 | 2 | Ubah Hapus |
| 6 | manager33 | Manager Tiga Tiga | 2 | Ubah Hapus |
| 7 | manager56 | Manager55 | 2 | Ubah Hapus |
| 8 | manager12 | Manager11 | 2 | Ubah Hapus |
| 9 | Thoriq 14 | Thoriq Fathurrozi | 1 | Ubah Hapus |

Data User

[+ Tambah User](#)

| ID | Username | Nama | ID Level Pengguna | Aksi |
|----|------------|-------------------|-------------------|----------------------------|
| 1 | admin | Administrator | 1 | Ubah Hapus |
| 2 | manager | Manager | 2 | Ubah Hapus |
| 3 | staff | Staff/Kasir | 3 | Ubah Hapus |
| 4 | customer-1 | Pelanggan Pertama | 4 | Ubah Hapus |
| 5 | manager_2 | Manager 2 | 2 | Ubah Hapus |
| 6 | manager33 | Manager Tiga Tiga | 2 | Ubah Hapus |
| 7 | manager56 | Manager55 | 2 | Ubah Hapus |
| 8 | manager12 | Manager11 | 2 | Ubah Hapus |

ketika pilih aksi hapus di user thoriq 14 maka data otomatis akan hilang di databases



| | |
|--|--|
| | <pre>public function level(): BelongsTo { return \$this->belongsTo(LevelModel::class); }</pre> |
| | <pre>\$user = UserModel::with('level')->get(); dd(\$user); }</pre> |
| | <div><div>← → ↻ ⓘ localhost:8000/user</div><div>YouTube ThoriqFathurrozi (t... (46) Pinterest DEV DEV Community (3) LeetCode - Th... Solve</div><div><div>Illuminate\Database\Eloquent\Collection {#318 ▾ // app/Http/Controllers/UserController.php:118</div><div>#items: array:8 [▶]</div><div>#escapeWhenCastingToString: false</div></div></div> <p>mengembalikan items dalam bentuk array berjumlah 8</p> |