



<b>Nama</b>	:	Yanuar Rizki Aminudin
<b>Nim</b>	:	2341720030
<b>Kelas</b>	:	2A

Tulislah Jawaban Pada Kolom Yang tersedia di bawah ini;

#### **JOBSHEET-4**

##### **MODEL dan ELOQUENT ORM**

##### **A. PROPERTI \$fillable DAN \$guarded**

Praktikum 1 - \$fillable:

<b>Soal No</b>	<b>Jawaban</b>
1	<p>App&gt;Models&gt;User.php</p> <pre>18      * @var array&lt;int, string&gt; 19      */       0 references 20      protected \$fillable = [ 21          'name', 22          'email', 23          'password', 24          'level_id', 25          'username' 26      ]; 27</pre>
2	<p>App&gt;Models&gt;UserModel.php</p> <pre>17      * @var array 18      */ 19       0 references 20      protected \$fillable = ['level_id', 'username', 'nama', 'password']; 21  } 22</pre>



3	<div>App&gt;Http&gt;Controllers&gt;UserController.php</div> <div><pre>11 public function index(): Factory View 12 13     \$data = [ 14         'level_id' =&gt; 2, 15         'username' =&gt; 'manager_dua', 16         'nama' =&gt; 'Manager 2', 17         'password' =&gt; Hash::make(value: '12345') 18     ]; 19     UserModel::create(attributes: \$data); 20 21     \$user = UserModel::all(); 22     return view('user', data: ['data' =&gt; \$user]); 23 24 25</pre></div>																				
4	<div><a href="http://localhost/PWL_POS/public/user">http://localhost/PWL_POS/public/user</a></div> <div>There is new data at No 4</div> <div>Data User</div> <table><tr><th>ID</th><th>Username</th><th>Nama</th><th>ID Level Pengguna</th></tr><tr><td>1</td><td>admin</td><td>Administrator</td><td>1</td></tr><tr><td>2</td><td>manager</td><td>Manager</td><td>2</td></tr><tr><td>3</td><td>staff</td><td>Staff/Kasir</td><td>3</td></tr><tr><td>4</td><td>manager_dua</td><td>Manager 2</td><td>2</td></tr></table>	ID	Username	Nama	ID Level Pengguna	1	admin	Administrator	1	2	manager	Manager	2	3	staff	Staff/Kasir	3	4	manager_dua	Manager 2	2
ID	Username	Nama	ID Level Pengguna																		
1	admin	Administrator	1																		
2	manager	Manager	2																		
3	staff	Staff/Kasir	3																		
4	manager_dua	Manager 2	2																		
5	<div>App&gt;Models&gt;UserModel.php</div> <div><pre>20 protected \$fillable = ['level_id', 'username', 'nama']; 21 ]</pre></div>																				
6	<div>App&gt;Http&gt;Controllers&gt;UserController.php</div> <div><pre>13     \$data = [ 14         'level_id' =&gt; 2, 15         'username' =&gt; 'manager_tiga', 16         'nama' =&gt; 'Manager 3', 17         'password' =&gt; Hash::make(value: '12345') 18     ]; 19     UserModel::create(attributes: \$data); 20</pre></div>																				



7

App>Models>UserModel.php

[http://localhost/PWL\\_POS/public/user](http://localhost/PWL_POS/public/user)



Fix for an error where passwords (model attributes) were removed

I have returned it

```
0 references
20 | protected $fillable = ['level_id', 'username', 'nama', 'password'];
21 |
```

Successfully add new data no 5

## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1
2	manager	Manager	2
3	staff	Staff/Kasir	3
4	manager_dua	Manager 2	2
5	manager_tiga	Manager 3	2

### B. RETRIEVING SINGLE MODELS

#### Praktikum 2.1 – Retrieving Single Models

8

resources>views>user.blade.php



```
18      {{-- @foreach ($data as $d) --}}
19      <tr>
20          <td>{{ $data->user_id }}</td>
21          <td>{{ $data->username }}</td>
22          <td>{{ $data->nama }}</td>
23          <td>{{ $data->level_id }}</td>
24      </tr>
25      {{-- @endforeach --}}
26  </table>
```

9 App>Http>Controllers>UserController.php

```
21  $user = UserModel::where(column: 'level_id',operator: 1)->first();
22  return view(view: 'user', data: ['data' => $user]);
23
```

Mencari semua data dengan level\_id = 1, lalu mengambil satu data pertama.

## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

10 App>Http>Controllers>UserController.php

```
1  // $user = UserModel::where('level_id',1)->first();
2  $user = UserModel::firstWhere(column: 'level_id',operator: 1);
3  return view(view: 'user', data: ['data' => $user]);
4  }
```

Cara singkat dari where() ->first(), langsung mengambil satu data pertama yang cocok.

## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

```
11 24  $user = UserModel::findOrFail(id: 1,columns: ['username','nama'], callback: function(): never{
25      abort(code: 404);
26  });
27  return view(view: 'user', data: ['data' => $user]);
```

Di gunakan untuk menutupi halaman yang error menjadi 404 | NOT FOUND



Lebih nyaman untuk user saat mengakses data yg tidak ditemukan

## Data User

ID	Username	Nama	ID Level Pengguna
	admin	Administrator	

```
$user = UserModel::findOr[id: 20], columns: ['username', 'nama'], callback: function(): never{  
    abort(code: 404);  
});  
return view(view: 'user', data: ['data' => $user]);
```

404 | NOT FOUND

### Praktikum 2.2 – Not Found Exceptions

```
12 27 $user = UserModel::findOrFail(id: 1);  
    28 return view(view: 'user', data: ['data' => $user]);  
    29 }
```

findOrFail secara otomatis menampilkan 404 | NOT FOUND tanpa perintah abort(404)

## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

```
13 27 //$user = UserModel::findOrFail(1);  
    28 $user = UserModel::where(column: 'username', operator: 'admin')->firstOrFail();  
    29 return view(view: 'user', data: ['data' => $user]);  
    30 }
```

Kalau sebelumnya berdasarkan id maka yg ini melakukan pencarian melalui username jika username manager9 akan terjadi error 404 | NOT FOUND karena tidak ada di database



## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

```
41 $user = UserModel::where(column: 'level_id', operator: 1)->count();  
42 dd(vars: $user);  
43 // Mengirimkan jumlah user ke view  
44 return view(view: 'user', data: ['data' => $user]);  
45
```

terdapat dua level\_id yg sama di database

fungsi count ini hanya menghitung level id yg ada di database

```
2 // app\Http\Controllers\UserController.php:42
```

	user_id	level_id	username	nam
Hapus	1	1	admin	Adm
Hapus	2	2	manager	Man
Hapus	3	3	staff	Staff
Hapus	4	1	manager_dua	Man
Hapus	5	2	manager_tiga	Man

## Data User

Jumlah Pengguna
2

### Praktikum 2.4 – Retrieving or Creating Models



15

```
12 <tr>
13 <td>ID</td>
14 <td>Username</td>
15 <td>Nama</td>
16 <td>ID Level Pengguna</td>
17 </tr>
18 {{-- @foreach ($data as $d) --}}
19 <tr>
20 <td>{{ $data->user_id}}</td>
21 <td>{{ $data->username}}</td>
22 <td>{{ $data->nama}}</td>
23 <td>{{ $data->level_id}}</td>
24 </tr>
25 {{-- @endforeach --}}
26 </table>
```

```
42 $user = UserModel::firstOrCreate(
43     attributes: [
44         'username' => 'admin',
45         'nama' => 'Administrator',
46     ]
47 );
48 return view(view: 'user', data: ['data' => $user]);
49 }
```

Mencari data pertama yang di minta. Jika tidak ada, data baru akan dibuat dan disimpan.

## Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

16

```
$user = UserModel::firstOrCreate(
    attributes: [
        'username' => 'minggu',
        'nama' => 'Minggu',
    ]
);
return view(view: 'user', data: ['data' => $user]); //
```



Kalau firstOrNew membuat data baru tapi tidak menyimpan di database

## Data User

ID	Username	Nama	ID Level Pengguna
	minggu	Minggu	

	level_id	username	nama
1	1	admin	Administrato
2	2	manager	Manager
3	3	staff	Staff/Kasir
4	1	manager_dua	Manager 1
5	2	manager_tiga	Manager 3

17

```
$user = UserModel::firstOrCreate(
    attributes: [
        'username' => 'manager_empat',
        'nama' => 'Manager 4',
        'password' => Hash::make(value: '12345'),
        'level_id' => 2
    ]
);
// $user = UserModel::firstOrCreate(
//     [
//         'username' => 'minggu',
//         'nama' => 'Minggu',
//     ]
// );
return view('user', data: ['data' => $user]);
```

kalau ini kebalikan dari firstOrNew

dia menyimpan ke database bisa di lihat di user id 11





user_id	level_id	username	nama
1	1	admin	Administrator
2	2	manager	Manager
3	3	staff	Staff/Kasir
4	1	manager_dua	Manager 1
5	2	manager_tiga	Manager 3
11	2	manager_empat	Manager 4

18.

```
$user = UserModel::firstOrCreate(
    attributes: [
        'username' => 'manager44',
        'nama' => 'Minggu 4 4',
        'password' => Hash::make(value: '12345'),
        'level_id' => 2
    ]
);
$user->save();
return view(view: 'user', data: ['data' => $user]);
```

Kalau yang ini setelah di buat data baru kemudian di simpan ke database karena ada method \$user->save();

## Data User

ID	Username	Nama	ID Level Pengguna
14	manager44	Minggu 4 4	2



Jurusan Teknologi Informasi Politeknik Negeri Malang  
**Jobsheet-4: MODEL dan ELOQUENT ORM**  
Mata Pemrograman Web Lanjut(PWL)  
Pengampu: Tim Ajar Desain dan Pemrograman Wep Lanjut  
Maret 2024

user_id	level_id	username	nama
1	1	admin	Administrator
2	2	manager	Manager
3	3	staff	Staff/Kasir
4	1	manager_dua	Manager 1
5	2	manager_tiga	Manager 3
11	2	manager_empat	Manager 4
12	2	manager33	Manager Tiga Tiga
14	2	manager44	Minggu 4 4

**Praktikum 2.5 – Attribute Changes**

```
64 $user = UserModel::Create(attributes: [  
65     'username' => 'manager113',  
66     'nama' => 'manager89',  
67     'password' => Hash::make(value: '123452'),  
68     'level_id' => 2,  
69     ]);  
70 $user->username = 'manager114';  
71  
72 $user->isDirty(); //true  
73 $user->isDirty(attributes: 'username');//true  
74 $user->isDirty(attributes: 'nama');//false  
75 $user->isDirty(attributes: ['nama', 'username']);//true  
76  
77 $user->isClean(); //false  
78 $user->isClean(attributes: 'username');//false  
79 $user->isClean(attributes: 'nama');//true  
80 $user->isClean(attributes: ['nama', 'username']);//false  
81  
82  
83  
84 // $user->isDirty();//false  
85  
86 $user->save();  
87  
88 $user->isClean();//true  
89 //dd($user->isDirty());  
90 dd(vars: $user->isClean());  
91
```

Pengamatan say ajika menjalan kan

dd(\$user->isDirty()); bernilai false

Mengecek apakah ada perubahan data **sebelum disimpan**



**true** jika ada perubahan dan **false** jika sudah disimpan.

```
false // app\Http\Controllers\UserController.php:86
```

dd(\$user->isClean()); bernilai true

Mengecek apakah ada perubahan data **sebelum disimpan**

**false** jika ada perubahan dan **true** jika sudah disimpan.

```
true // app\Http\Controllers\UserController.php:90
```

ilustrasi :

'surname' => 'manager35,

Dan

\$user->username = 'manager36';

Itu akan merubah yang awalnya manager35 jadi manager36,

## Data User

ID	Username	Nama	ID Level Pengguna
38	manager36	manager36	2

20.

```
88     $user->wasChanged();//true
89     $user->wasChanged(attributes: 'username');//true
90     $user->wasChanged(attributes: ['username','level_id']);//true
91     $user->wasChanged(attributes: 'nama');//false
92     dd(vars: $user->wasChanged(attributes: ['nama','username']));//true
93 }
```

Mengecek apakah suatu atribut **telah berubah setelah disimpan**

**true** jika atribut mengalami perubahan saat save() dipanggil

**false** jika atribut tidak mengalami perubahan

```
false // app\Http\Controllers\UserController.php:92
```



21.

```
101     $user = UserModel::all();
102     return view('user',data: ['data'=> $user]);
103 }
104 }
```

Menambahkan tombol uubah dan hapus tapi masih belum bisa di jalankan

```
18     @foreach ($data as $d)
19         <tr>
20             <td>{{ $d->user_id }}</td>
21             <td>{{ $d->username }}</td>
22             <td>{{ $d->nama }}</td>
23             <td>{{ $d->level_id }}</td>
24             <td>
25                 <a href="/user/ubah/{{ $d->user_id }}">Ubah</a> |
26                 <a href="/user/hapus/{{ $d->user_id }}">Hapus</a>
27             </td>
28         </tr>
29     @endforeach
```

### Data User

ID	Username	Nama	ID Level Pengguna	
1	admin	Administrator	1	<a href="#">Ubah</a>   <a href="#">Hapus</a>
2	manager	Manager	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
3	staff	Staff/Kasir	3	<a href="#">Ubah</a>   <a href="#">Hapus</a>
4	manager_dua	Manager 1	1	<a href="#">Ubah</a>   <a href="#">Hapus</a>
5	manager_tiga	Manager 3	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
11	manager_empat	Manager 4	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
12	manager33	Manager Tiga Tiga	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
14	manager44	Minggu 4 4	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
16	manager55	Manager55	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
26	manager22	manager2	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
28	manager23	manager23	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
29	manager25	manager23	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
87	manager89	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
88	manager10	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
89	manager102	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
90	manager104	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
91	manager103	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
93	manager105	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
94	manager108	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
95	manager110	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
96	manager109	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
97	manager112	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
98	manager114	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
99	manager113	manager89	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
102	manager24	manager19	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>

### Praktikum 2.6 – Create, Read, Update, Delete (CRUD)

22. User.blade.php



```
1 <html>
2   <head>
3     <title>Data User</title>
4   </head>
5   <body>
6     <h1>Data User</h1>
7     <a href="/user/tambah">+ Tambah User</a>
8     <table border="1" cellpadding="2" cellspacing="0">
9       <tr>
10        <th>ID</th>
11        <th>Username</th>
12        <th>Nama</th>
13        <th>ID Level Pengguna</th>
14        <th>Aksi</th>
15      </tr>
16      @foreach ($data as $d)
17        <tr>
18          <td>{{ $d->user_id }}</td>
19          <td>{{ $d->username }}</td>
20          <td>{{ $d->nama }}</td>
21          <td>{{ $d->level_id }}</td>
22          <td><a href="/user/ubah/{{ $d->user_id }}">Ubah</a> | <a
23            href="/user/hapus/{{ $d->user_id }}">Hapus</a></td>
24        </tr>
25      @endforeach
26    </table>
27  </body>
28 </html>
```

UserController.php

```
127     $user = UserModel::all(columns: $id);
128     return view(view: 'user_ubah', data: ['data' => $user]);
129 }
```

## Data User

[+ Tambah User](#)

ID	Username	Na
1	admin	Administ
2	manager	Manager
3	staff	Staff/Kas
4	manager_dua	Manager
5	manager_tiga	Manager
11	manager empat	Manager

23. user\_tambah.blade.php



```
<!DOCTYPE html>
<html>
<head>
  <title>Data User</title>
</head>
<body>
<h1>Form Tambah Data User</h1>
<form method="post" action="/user/tambah_simpan">
  {{ csrf_field() }}
  <label>Username</label>
  <input type="text" name="username" placeholder="Masukan Username">
  <br>
  <label>Nama</label>
  <input type="text" name="nama" placeholder="Masukan Nama">
  <br>
  <label>Password</label>
  <input type="password" name="password" placeholder="Masukan Password">
  <br>
  <label>Level ID</label>
  <input type="number" name="level_id" placeholder="Masukan ID Level">
  <br><br>
  <input type="submit" class="btn btn-success" value="Simpan">
</form>
</body>
</html>
```

## Form Tambah Data User

Username

Nama

Password

Level ID

### 24. UserController.php.

```
public function tambah_simpan(Request $request): RedirectResponse
{
    UserModel::create([
        'username' => $request->username,
        'nama' => $request->nama,
        'password' => Hash::make('$request->password'),
        'level_id' => $request->level_id
    ]);
    return redirect(to: '/user');
}
```



25.	<p>user_ubah.blade.php</p> <pre>7 &lt;body&gt; 8 &lt;h1&gt;Form Ubah Data User&lt;/h1&gt; 9 &lt;a href="/user"&gt;Kembali&lt;/a&gt; 10 &lt;br&gt;&lt;br&gt; 11 12 &lt;form method="post" action="/user/ubah_simpan/{{ \$data-&gt;user_id }}"&gt; 13     {{ csrf_field() }} 14     {{ method_field(method: 'PUT') }} 15 16     &lt;label&gt;Username&lt;/label&gt; 17     &lt;input type="text" name="username" placeholder="Masukan Username" value="{{ \$data-&gt;username }}"&gt; 18     &lt;br&gt; 19     &lt;label&gt;Nama&lt;/label&gt; 20     &lt;input type="text" name="nama" placeholder="Masukan Nama" value="{{ \$data-&gt;username }}"&gt; 21     &lt;br&gt; 22     &lt;label&gt;Password&lt;/label&gt; 23     &lt;input type="password" name="password" placeholder="Masukan Password" value="{{ \$data-&gt;password }}"&gt; 24     &lt;br&gt; 25     &lt;label&gt;Level ID&lt;/label&gt; 26     &lt;input type="number" name="level_id" placeholder="Masukan ID Level" value="{{ \$data-&gt;level_id }}"&gt; 27     &lt;br&gt;&lt;br&gt; 28     &lt;input type="submit" class="btn btn-success" value="Ubah"&gt; 29 &lt;/form&gt;</pre>
26.	<p>UserController.php.</p> <pre>125 public function ubah(\$id): Factory View 126 { 127     \$user = UserModel::find(\$id); 128     return view(view: 'user_ubah', data: ['data' =&gt; \$user]); 129 }</pre>
27.	<p>UserController.php.</p> <pre>131 public function ubah_simpan(\$id, Request \$request): RedirectResponse 132 { 133     \$user = UserModel::find(\$id); 134 135     \$user-&gt;username = \$request-&gt;username; 136     \$user-&gt;nama = \$request-&gt;nama; 137     \$user-&gt;password = Hash::make('\$request-&gt;password'); 138     \$user-&gt;level_id = \$request-&gt;level_id; 139 140     \$user-&gt;save(); 141 142     return redirect(to: '/user'); 143 }</pre>
28.	<p>web.php.</p>



```
18 Route::get('/', function () {Factory|View {
19     return view(view: 'welcome');
20 });
21 Route::get('/level', [LevelController::class, 'index']);
22 Route::get('/kategori', [KategoriController::class, 'index']);
23 Route::get('/user', [UserController::class, 'index']);
24 Route::get('/user/ubah/{id}', [UserController::class, 'ubah']);
25 Route::put('/user/ubah_simpan/{id}', [UserController::class, 'ubah_simpan']);
26 Route::get('/user/hapus/{id}', [UserController::class, 'hapus']);
27 Route::get('/user/tambah', [UserController::class, 'tambah']);
28 Route::post('/user/tambah_simpan', [UserController::class, 'tambah_simpan']);
29
```

29. UserController.php

```
145 public function hapus($id): Redirect
146 {
147     $user = UserModel::find($id);
148     $user->delete();
149     return redirect(to: '/user');
150 }
151
```

Data Setelah di hapus

## Data User

### + Tambah User

ID	Username	Nama	ID Level Pengguna	Aksi
1	admin	Administrator	1	<a href="#">Ubah</a>   <a href="#">Hapus</a>
2	manager	Manager	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>
3	staff	Staff/Kasir	3	<a href="#">Ubah</a>   <a href="#">Hapus</a>
4	manager_dua	Manager 1	1	<a href="#">Ubah</a>   <a href="#">Hapus</a>
5	manager_tiga	Manager 3	2	<a href="#">Ubah</a>   <a href="#">Hapus</a>

### Praktikum 2.7 – Relationships

30. One-to-one





	<pre>1 &lt;?php 2 3 namespace App\Models; 4 5 use Illuminate\Database\Eloquent\Factories\HasFactory; 6 use Illuminate\Database\Eloquent\Model; 7 use Illuminate\Database\Eloquent\Relations\HasOne; 8 9 class UserModel extends Model 10 { 11     public function level(): HasOne 12     { 13         return \$this-&gt;hasOne(LevelModel::class); 14     } 15 }</pre>
31.	<p><b>One to Many</b></p> <pre>1 &lt;?php 2 3 namespace App\Models; 4 5 use Illuminate\Database\Eloquent\Factories\HasFactory; 6 use Illuminate\Database\Eloquent\Model; 7 use Illuminate\Database\Eloquent\Relations\BelongsTo; 8 9 class KategoriModel extends Model 10 { 11     use HasFactory; 12 13     public function kategori(): BelongsTo 14     { 15         return \$this-&gt;belongsTo(KategoriModel::class, 'kategori_id', 'kategori_id'); 16     } 17 }</pre>
32.	<p><b>UserModel.php</b></p> <pre>20 protected \$fillable = ['level_id', 'username', 'nama', 'password']; 21 22 public function level(): BelongsTo 23 { 24     return \$this-&gt;belongsTo(LevelModel::class, 'level_id', 'level_id'); 25 } 26 }</pre>



```
33. // $user = UserModel::all();  
// return view('user',['data'=> $user]);  
$user = UserModel::where('level_id', 2)->count();  
$user = UserModel::with('level')->get();  
  
return view(view: 'user', data: ['data' => $user]);  
}
```

```
34. 9      <tr>  
10          <th>ID</th>  
11          <th>Username</th>  
12          <th>Nama</th>  
13          <th>ID Level Pengguna</th>  
14          <th>Kode Level</th>  
15          <th>Nama Level</th>  
16          <th>Aksi</th>  
17      </tr>  
18      @foreach ($data as $d)  
19          <tr>  
20              <td>{{ $d->user_id }}</td>  
21              <td>{{ $d->username }}</td>  
22              <td>{{ $d->nama }}</td>  
23              <td>{{ $d->level_id }}</td>  
24              <td> {{ $d->level->level_kode }} </td>  
25              <td> {{ $d->level->level_nama }} </td>  
26              <td><a href="/user/ubah/{{ $d->user_id }}">Ubah</a> | <a  
27                  href="/user/hapus/{{ $d->user_id }}">Hapus</a></td>  
28          </tr>  
29      @endforeach
```

Menambahkan beberapa variabel di langkah 5 level\_kode dan level\_nama

## Data User

+ Tambah User

ID	Username	Nama	ID Level Pengguna	Kode Level	Nama Level	Aksi
1	admin	Administrator	1	ADM	Administrator	<a href="#">Ubah</a>   <a href="#">Hapus</a>
2	manager	Manager	2	MNG	Manager	<a href="#">Ubah</a>   <a href="#">Hapus</a>
3	staff	Staff/Kasir	3	STF	Staff/Kasir	<a href="#">Ubah</a>   <a href="#">Hapus</a>
4	manager_dua	Manager 1	1	ADM	Administrator	<a href="#">Ubah</a>   <a href="#">Hapus</a>
5	manager_tiga	Manager 3	2	MNG	Manager	<a href="#">Ubah</a>   <a href="#">Hapus</a>