

**LAPORAN PRAKTIKUM III
PEMROGRAMAN WEB LANJUT**



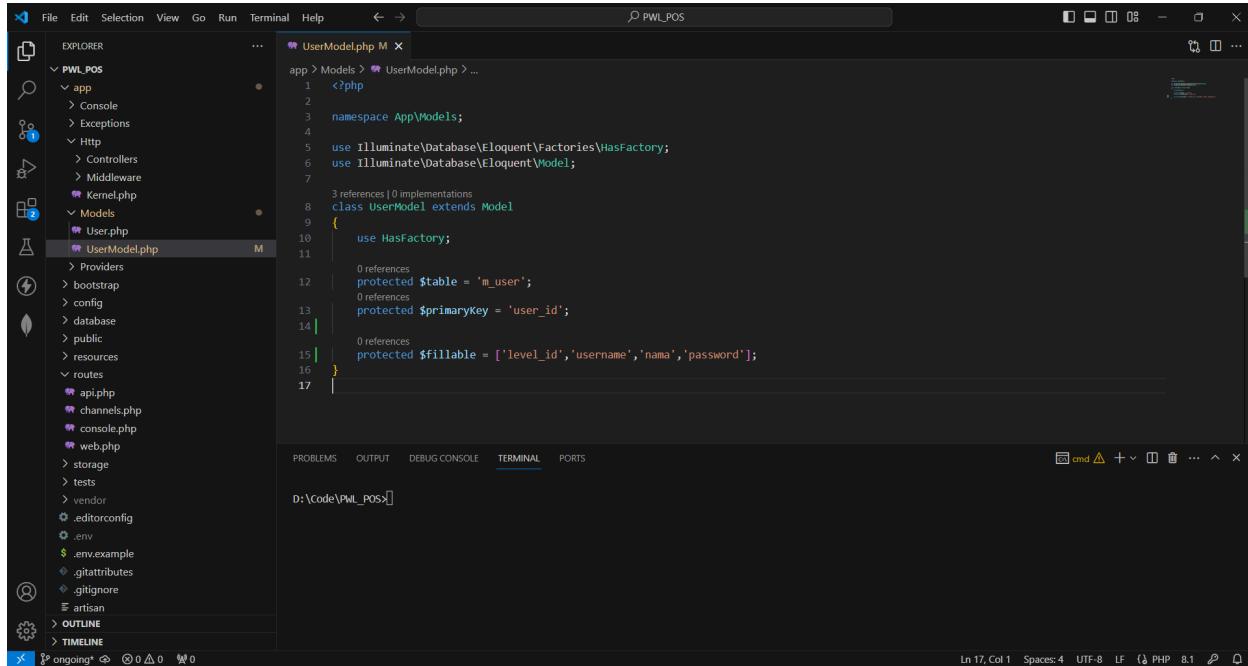
Disusun oleh:

Ricky Putra Pratama Tedjo (2241720204)

**JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
TAHUN AJARAN 2023/2024**

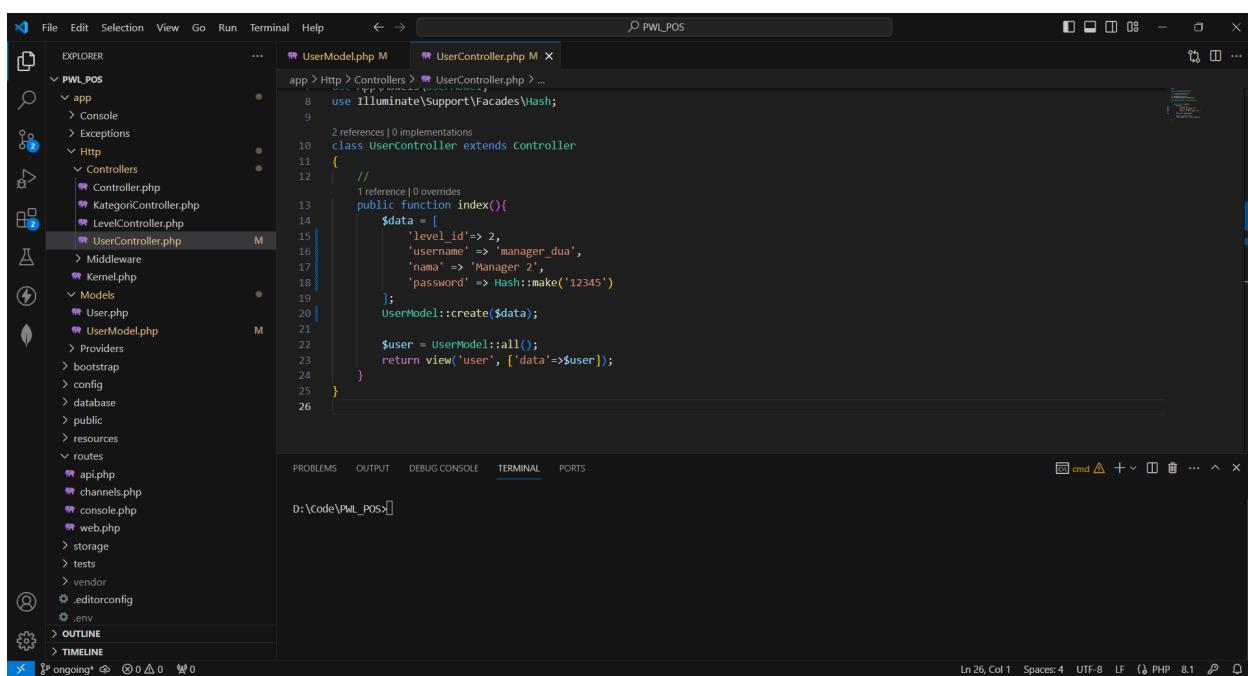
\$Fillable dan \$Guarded

Praktikum 1



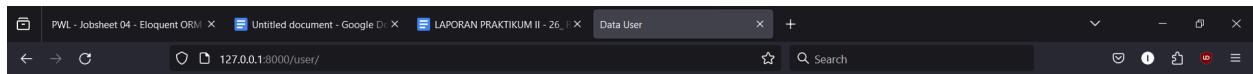
The screenshot shows the VS Code interface with the file `UserModel.php` open in the editor. The code defines a `UserModel` class extending `Model`. It includes protected properties `$table` and `$primaryKey`, and a protected array `$fillable` containing `'level_id'`, `'username'`, `'nama'`, and `'password'`.

```
<?php  
namespace App\Models;  
  
use Illuminate\Database\Eloquent\Factories\HasFactory;  
use Illuminate\Database\Eloquent\Model;  
  
class UserModel extends Model  
{  
    use HasFactory;  
  
    protected $table = 'm_user';  
    protected $primaryKey = 'user_id';  
  
    protected $fillable = ['level_id', 'username', 'nama', 'password'];  
}
```



The screenshot shows the VS Code interface with the file `UserController.php` open in the editor. The code defines a `UserController` class extending `Controller`. It contains a public function `index()` that creates a new `UserModel` instance with data for level_id, username, nama, and password, and returns a view.

```
use Illuminate\Support\Facades\Hash;  
  
class UserController extends Controller  
{  
    //  
    // 1 reference | 0 overrides  
    public function index()  
    {  
        $data = [  
            'level_id' => 2,  
            'username' => 'manager_dua',  
            'nama' => 'Manager 2',  
            'password' => Hash::make('12345')  
        ];  
        UserModel::create($data);  
        $user = UserModel::all();  
        return view('user', ['data' => $user]);  
    }  
}
```



Data User

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

```

UserModel.php
1 <?php
2
3 namespace App\Models;
4
5 use Illuminate\Database\Eloquent\Factories\HasFactory;
6 use Illuminate\Database\Eloquent\Model;
7
8 class UserModel extends Model
9 {
10     use HasFactory;
11
12     protected $table = 'm_user';
13
14     protected $primaryKey = 'user_id';
15
16     protected $fillable = ['level_id', 'username', 'nama'];
17 }

```

```

UserController.php
1 use App\Models\UserModel;
2 use Illuminate\Support\Facades\Hash;
3
4 class UserController extends Controller
5 {
6     /**
7      * @reference|0 overrides
8      */
9     public function index()
10    {
11        // ...
12        $data = [
13            'level_id' => 2,
14            'username' => 'manager_tiga',
15            'nama' => 'Manager 3',
16            'password' => Hash::make('12345')
17        ];
18        UserModel::create($data);
19
20        $user = UserModel::all();
21        return view('user', ['data' => $user]);
22    }
23
24 }
25
26

```

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, 2024-03-18 06:09:59, 2024-03-18 06:09:59)

```

PHP 8.2.12 | 10.47.0

D:\Code\PWL_POS\app\Http\Controllers\UserController.php:28

Stack Context Flare

Expand vendor frames

16 vendor frames ▾

App\Http\Controllers\UserController::index

43 vendor frames ▾

D:\Code\PWL_POS\public\index.php:51 require_once

1 vendor frame ▾

Hasil Commit

PWL - Jobsheet 04 - Eloquent ORM | Untitled document - Google Docs | Not Found | Commits · rickytedjo/PWL_POS

rickytedjo / PWL_POS

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Commits

ongoing

Commits on Mar 18, 2024

Fillable, Guarded
rickytedjo committed now
d5eae2

Commits on Mar 10, 2024

Eloquent ORM Implementation
rickytedjo committed last week
3383dba

Query Builder Implementation
rickytedjo committed last week
3f276ce

Commits on Mar 6, 2024

DB Facade Implementation
rickytedjo committed 2 weeks ago
bc21e58

Seeders
rickytedjo committed 2 weeks ago
f93e3d9

Retrieving Single Models

Praktikum 2.1

PWL_POS

UserModel.php M UserController.php M

```
use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    public function index(){
        $user = UserModel::find(1);
        return view('user', ['data'=>$user]);
    }
}
```

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server

2024-03-18 13:08:16 ~ 45
2024-03-18 13:08:20 /Favicon.ico ~ 05
2024-03-18 13:08:21 ~ 25
2024-03-18 13:09:59 ~ 25
2024-03-18 13:18:23 ~ 15
2024-03-18 13:18:32 ~ 05

Screenshot of a code editor (VS Code) showing a PHP application structure and a browser window displaying the application's user management interface.

Code Editor (VS Code):

- File Explorer:** Shows the project structure for "PWL_POS".
- Editor:** Displays the content of "User.blade.php". The code defines a table to display user data.
- Terminal:** Shows logs from the server running on [http://127.0.0.1:8000].
- Status Bar:** Shows the current file is "User.blade.php" and the status "Ln 20, Col 18 Spaces: 4 UTF-8 LF Blade ⚡".

Browser:

- Title Bar:** Shows tabs for "PWL - Jobsheet 04 - Eloquent ORM", "Untitled document - Google", and "Data User".
- Address Bar:** Shows the URL "127.0.0.1:8000/user/".
- Content Area:** Displays a table titled "Data User" with one row of data.

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

```

File Edit Selection View Go Run Terminal Help ← → ⌂ PWL_POS
EXPLORER UserModel.php M UserController.php M
app > Http > Controllers > UserController.php > PHP Intelephense > UserController > index
7 use App\Models\UserModel;
8 use Illuminate\Support\Facades\Hash;
9
10 class UserController extends Controller
11 {
12     /**
13      * 1 reference | 0 overrides
14      *
15      * @param int $level_id
16      *
17      * @return \Illuminate\Http\Response
18     */
19     public function index()
20     {
21         $user = UserModel::where('level_id',1)->first();
22         return view('user', [ 'data'=>$user ]);
23     }

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

INFO Server running on [<http://127.0.0.1:8000>].

Press Ctrl+C to stop the server

2024-03-18 13:08:16 ~ 45
2024-03-18 13:08:20 /favicon.ico ~ 05
2024-03-18 13:08:21 ~ 25
2024-03-18 13:09:59 ~ 25
2024-03-18 13:18:23 ~ 15
2024-03-18 13:18:32 ~ 05
2024-03-18 13:20:57 ~ 05

Ln 15, Col 55 Spaces: 4 UTF-8 LF (PHP 8.1) ⚡ 🔍

PWL - Jobsheet 04 - Eloquent ORM X Untitled document - Google D... X Data User +

← → ⌂ 127.0.0.1:8000/user/ ⌂ Search

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

The screenshot shows a code editor interface with the following details:

- Code Editor (Top Window):**
 - File: UserController.php
 - Content (excerpt):

```

7 use App\Models\UserModel;
8 use Illuminate\Support\Facades\Hash;
9
10 class UserController extends Controller
11 {
12     /**
13      * 1 reference | 0 overrides
14      *
15     public function index()
16     {
17         $user = UserModel::firstWhere('level_id',1);
18         return view('user', [ 'data' => $user ]);
19     }

```
 - Output Panel (Bottom): Shows server logs and a message: "INFO Server running on [<http://127.0.0.1:8000>]. Press Ctrl+C to stop the server".
- Browser (Bottom Window):**
 - Title: PWL - Jobsheet 04 - Eloquent ORM
 - URL: 127.0.0.1:8000/user/
 - Content: Data User

Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

The screenshot shows a development environment with the following components:

- Code Editor:** Displays the file `UserController.php` with the following code:

```

use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    /**
     * 1 reference | 0 overrides
     *
     * public function index(){
     *     $user = UserModel::findOr(1, ['username','nama'],function(){
     *         abort(404);
     *     });
     *     return view('user', ['data'=>$user]);
     * }
  
```

- Terminal:** Shows logs from a server process.
- Browser:** Shows a simple table titled "Data User" with one row of data.

Data User

ID	Username	Nama	ID Level Pengguna
	admin	Administrator	

The screenshot shows a development environment with two main windows.

Code Editor (Top Window):

- Explorer:** Shows the project structure for "PWL_POS".
- Editor:** Displays the content of `UserController.php`. The code defines a `UserController` class extending `Controller`. It includes logic to find a user by username and password, aborting if no user is found, and returning a view with the user data.
- Terminal:** Shows server logs from March 18, 2024, indicating various file access and a 404 error at 13:28:57.
- Status Bar:** Shows the current line (Ln 15), column (Col 37), spaces (Spaces: 4), encoding (UTF-8), and PHP version (8.1).

Browser (Bottom Window):

- Address Bar:** Shows the URL `127.0.0.1:8000/user/`.
- Content:** Displays a "NOT FOUND" page with the status code 404.

Hasil Commit

The screenshot shows the GitHub 'Commits' page for the repository 'rickytedjo/PWL_POS'. The commits are filtered to show 'ongoing' changes. There are three main commit groups:

- Retrieving Single Models**: Committed now by rickytedjo. Hash: 8192aeff.
- Fillable, Guarded**: Committed 2 minutes ago by rickytedjo. Hash: de5eae2.
- Eloquent ORM Implementation**: Committed last week by rickytedjo. Hash: 3383dba.
- Query Builder Implementation**: Committed last week by rickytedjo. Hash: 3f276ce.
- DB Facade Implementation**: Committed 2 weeks ago by rickytedjo. Hash: bc21e58.

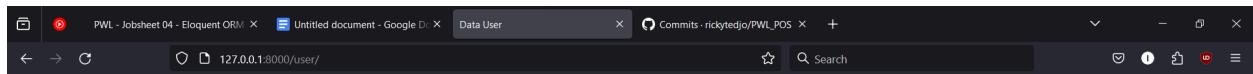
Praktikum 2.2

The screenshot shows the Visual Studio Code (VS Code) interface for a Laravel project named 'PWL_POS'. The file 'UserController.php' is open in the code editor, showing the following PHP code:

```
use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    /**
     * 1 reference | 0 overrides
     */
    public function index()
    {
        $user = UserModel::findOrFail();
        return view('user', ['data'=>$user]);
    }
}
```

The file explorer on the left shows the project structure, including 'app', 'Http', 'Controllers', 'Models', and 'views' directories. The 'views' directory contains blade files like 'kategori.blade.php', 'level.blade.php', 'user.blade.php', and 'welcome.blade.php'. The terminal at the bottom shows command-line logs from March 18, 2024, such as '2024-03-18 13:08:16 ..' and '2024-03-18 13:08:20 /favicon.ico ..'.



Data User

ID	Username	Nama	ID Level Pengguna
1	admin	Administrator	1

The screenshot shows a code editor interface with a dark theme. On the left is the Explorer sidebar showing the project structure of 'PWL_POS'. The main area displays the content of 'UserController.php'.

```
use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    public function index()
    {
        $user = UserModel::where('username', 'manager9')->firstOrFail();
        return view('user', [ 'data' => $user ]);
    }
}
```

The bottom status bar indicates the file is 'ongoing*' and has 0 changes. Below the code editor is a terminal window showing logs from March 18, 2024, at 13:08:16 to 13:30:58. The browser window below shows a 404 Not Found error page at the URL '127.0.0.1:8000/user'.

Hasil Commit

The screenshot shows a GitHub repository named 'PWL_POS' with the URL https://github.com/rickytedjo/PWL_POS/commits/ongoing. The page displays a list of commits grouped by date. The commits are:

- Not Found Exceptions** (committed now): [Commit](#)
- Retrieving Single Models** (committed 8 minutes ago): [Commit](#)
- Fillable, Guarded** (committed 10 minutes ago): [Commit](#)
- Commits on Mar 10, 2024**:
 - Eloquent ORM Implementation** (committed last week): [Commit](#)
 - Query Builder Implementation** (committed last week): [Commit](#)
- Commits on Mar 6, 2024** (no commits listed)

Praktikum 2.3

The screenshot shows a PHP development environment with the following interface elements:

- File Explorer (Left):** Shows the project structure of 'PWL_POS' with files like 'UserModel.php', 'UserController.php', 'Controller.php', etc.
- Code Editor (Center):** Displays the code for 'UserController.php' with syntax highlighting and code completion.

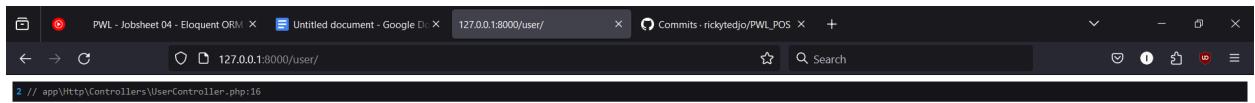
```

use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    public function index()
    {
        $user = UserModel::where('level_id', 2)->count();
        dd($user);
        return view('user', ['data' => $user]);
    }
}

```

- Terminal (Bottom):** Shows a command-line interface with logs from March 18, 2024, including file creation and database queries.



```

UserController.php
7 use App\Models\UserModel;
8 use Illuminate\Support\Facades\Hash;
9
10 class UserController extends Controller
11 {
12     /**
13      * 1 reference | 0 overrides
14     */
15     public function index()
16     {
17         $user = UserModel::where('level_id', 2)->count();
18     }
19 }

resources > views > user.blade.php
2 <html>
3     <body>
4         <table border="1" cellpadding="2" cellspacing="0">
5             <thead>
6                 <tr>
7                     <th>ID</th>
8                     <th>username</th>
9                     <th>Name</th>
10                    <th>Level Pengguna</th>
11                </tr>
12            </thead>
13            <tbody>
14                <tr>
15                    <td>{$data->user_id}</td>
16                    <td>{$data->username}</td>
17                    <td>{$data->name}</td>
18                    <td>{$data->level_id}</td>
19                </tr> -->
20                <tr>
21                    <th>Jumlah Pengguna</th>
22                </tr>
23                <tr>
24                    <td>{{ $data }}</td>
25                </tr>
26            </tbody>
27        </table>
28    </body>
29 </html>

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2024-03-18 13:29:57 ... ~ 05
2024-03-18 13:22:24 ... ~ 05
2024-03-18 13:24:25 ... ~ 15
2024-03-18 13:25:29 ... ~ 05
2024-03-18 13:30:58 ... ~ 05
2024-03-18 13:35:13 ... ~ 05
2024-03-18 13:37:32 ... ~ 05
2024-03-18 13:41:19 ... ~ 05
2024-03-18 13:41:52 ... ~ 15
2024-03-18 13:41:53 ... ~ 05
2024-03-18 13:42:22 ... ~ 05

Ln 19, Col 46 Spaces: 4 UTF-8 LF Blade ⚙

PWL - Jobsheet 04 - Eloquent ORM x Untitled document - Google Drive x Data User x Commits - rickytedjo/PWL_POS x +

127.0.0.1:8000/user/

Data User

Jumlah Pengguna
2

Hasil Commit

The screenshot shows the GitHub 'Commits' page for the repository 'rickytedjo/PWL_POS'. The commits are filtered to show 'ongoing' changes. There are two main sections of commits:

- Retrieving Aggregates**: Committed now by rickytedjo. Commit hash: 9f77faa.
- Not Found Exceptions**: Committed 7 minutes ago by rickytedjo. Commit hash: 2c512a9.
- Retrieving Single Models**: Committed 15 minutes ago by rickytedjo. Commit hash: 8192ae9.
- Fillable, Guarded**: Committed 17 minutes ago by rickytedjo. Commit hash: d65eae2.

Below these, under 'Commits on Mar 10, 2024':

- Eloquent ORM Implementation**: Committed last week by rickytedjo. Commit hash: 3383dba.
- Query Builder Implementation**: Committed last week by rickytedjo. Commit hash: 3f2276ce.

Praktikum 2.4

The screenshot shows the VS Code editor with the file 'UserController.php' open. The code implements a User controller extending the Controller class. It includes logic to find or create a user based on provided credentials ('username' and 'password').

```
namespace App\Http\Controllers;
use Illuminate\Http\Request;
use App\Models\UserModel;
use Illuminate\Support\Facades\Hash;

class UserController extends Controller
{
    public function index()
    {
        $user = UserModel::firstOrCreate([
            'username' => 'manager',
            'nama' => 'Manager'
        ]);

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

The Explorer sidebar shows the project structure of 'PWL_POS' with files like 'UserModel.php', 'UserController.php', and 'user.blade.php'. The bottom status bar indicates the code is 19 lines long, 14 columns wide, and uses UTF-8 encoding.

The screenshot shows a code editor interface with the following details:

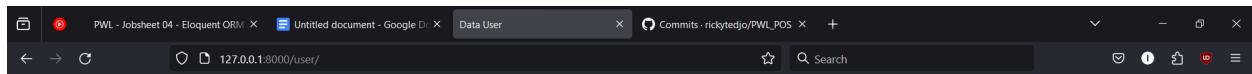
- File Explorer:** On the left, the project structure for "PWL_POS" is displayed. It includes the "app", "Http", "Controllers", "Models", "Kernel.php", and "resources" folders. Under "resources", there are "views" and "routes" sub-folders containing various blade files like "UserModel.blade.php", "UserController.php", "user.blade.php", etc.
- Code Editor:** The main area shows the content of "user.blade.php". The code is a PHP blade template for displaying user data in a table. It includes a title, a table with columns for ID, Username, Name, and Level Pengguna, and a loop to iterate through data items.
- Terminal:** A terminal window is open at the bottom, showing a log of command-line activity from March 18, 2024, with timestamps ranging from 13:29:57 to 13:42:22.
- Bottom Bar:** The bottom bar includes icons for ongoing tasks, file status, and terminal settings, along with the message "4 selections Spaces: 4 UTF-8 LF Blade ⚡".

```
<!DOCTYPE html>
<html>
    <head>
        <title>Data User </title>
    </head>
    <body>
        <h1>Data User</h1>
        <table border="1" cellpadding="2" cellspacing="0">
            <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>
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2024-03-18 13:29:57 ~05
2024-03-18 13:22:24 ~05
2024-03-18 13:24:25 ~15
2024-03-18 13:25:29 ~05
2024-03-18 13:30:58 ~05
2024-03-18 13:35:13 ~05
2024-03-18 13:37:32 ~05
2024-03-18 13:41:19 ~05
2024-03-18 13:41:52 ~15
2024-03-18 13:41:53 ~05
2024-03-18 13:42:22 ~05

ongoing* 0 △ 0 ⌂ 0



Data User

ID	Username	Nama	ID Level Pengguna
2	manager	Manager	2

The screenshot shows a PHP development environment with the following code in the User Controller:

```
class UserController extends Controller
{
    public function index()
    {
        $user = UserModel::firstOrNew(
            [
                'username' => 'manager33',
                'nama'=>'Manager Tiga Tiga',
                'password'=> Hash::make('12345'),
                'level_id'=> 2
            ]
        );
        return view('user', ['data'=>$user]);
    }
}
```

The code uses the `UserModel` to find a user by username. If none is found, it creates a new user with the provided data (username, name, password, level_id). The user is then passed to a view named 'user'.

The screenshot shows a browser window with several tabs open, including 'PWL - Jobsheet 04 - Eloquent ORM', 'Untitled document - Google Doc', 'Data User', and 'Commits - rickytedjo/PWL_POS'. The 'Data User' tab displays a table of user data. Below the browser is a MySQL HeidiSQL client window showing the 'pwl_pos.m_user' table with 5 rows of data. The client also shows the database structure with tables like 'm_level', 'm_barang', 'm_kategori', etc. At the bottom, there's a terminal window with MySQL commands.

ID	Username	Nama	ID Level Pengguna
manager33	Manager Tiga Tiga	2	

user_id	level_id	username	nama	password	created_at	updated_at
1	1	Administrator	Administrator	\$2y\$12\$TQ/e4H11HebmCE6ewkYeoVvEjyc...	(NULL)	(NULL)
2	2	manager	Manager	\$2y\$12\$RvJzhjDnLznb8dAdfT.MhH3ZDUBo...	(NULL)	(NULL)
3	3	staff	Staff/Kasir	\$2y\$12\$PUohSCqWDH1RcvGxeTT5J7YR...	(NULL)	(NULL)
5	3	customer-1	Pelanggan Pertama	\$2y\$12\$9qCqu77QIC5Mu8b8d3DQg8U7n/zl...	(NULL)	2
6	2	manager_dua	Manager 2	\$2y\$12\$QcUhHSkQpx1zgONFQjnKnhSzf...	2024-03-18 06:08:23	2024-03-18 06:08:23

```
29 SHOW COLLATION;
30 SHOW CREATE TABLE `pwl_pos`.`m_user`;
31 SELECT * FROM `CONSTRAINT_NAME` ,cc.CHECK_CLAUSE FROM `information_schema`.CHECK_CONSTRAINTS AS cc, `information_schema`.TABLE_CONSTRAINTS AS tc
32 SELECT * FROM `pwl_pos`.`m_user` LIMIT 1000;
```

The screenshot shows the VS Code interface with the following details:

- File Explorer (Left):** Shows the project structure for "PWL_POS". Key files include `UserModel.php`, `UserController.php`, and `user.blade.php`. The `UserController.php` file is currently open.
- Code Editor (Center):** Displays the `UserController.php` code. It contains a class definition for `UserController` extending `Controller`. The `index()` method uses `firstOrNew` to find or create a user with specific credentials and saves it.
- Terminal (Bottom):** Shows a log of terminal output from March 18, 2024, at various times, indicating file operations like `ls` and `make`.

The screenshot shows a browser window with several tabs open. The active tab is a Laravel application at `127.0.0.1:8000/user/`, displaying an error message: `SQLSTATE[HY000]: General error: 1364 Field 'password' doesn't have a default value`. Below the error message is the SQL query causing the issue:

```
INSERT INTO `m_user` (`username`, `nama`, `level_id`, `updated_at`, `created_at`) VALUES ('manager33', Manager Tiga Tiga, 2, 2024-03-18 06:52:02, 2024-03-18 06:52:02)
```

To the left of the browser is a code editor showing the `UserController.php` file. The line causing the error is highlighted in red:

```
<?php  
namespace App\Http\Controllers;  
use Illuminate\Http\Request;  
use App\Models\UserModel;  
use Illuminate\Support\Facades\Hash;  
class UserController extends Controller  
{  
    //  
    public function index(){
```

Hasil Commit

The screenshot shows a GitHub repository page for `rickytedjo/PWL_POS`. The URL is `https://github.com/rickytedjo/PWL_POS/commits/ongoing`. The commits are listed under the "Commits" section:

- Retrieving or Creating Models**
rickytedjo committed now (commit `f963c23`)
- Retrieving Aggregates**
rickytedjo committed 11 minutes ago (commit `9f77faa`)
- Not Found Exceptions**
rickytedjo committed 18 minutes ago (commit `2c512a9`)
- Retrieving Single Models**
rickytedjo committed 26 minutes ago (commit `8192aef`)
- Fillable, Guarded**
rickytedjo committed 28 minutes ago (commit `de5ee2`)

Below these, there is a section for commits from March 10, 2024, and an "Eloquent ORM Implementation" section.

Praktikum 2.5

The screenshot shows a development environment with two main windows.

Code Editor (Top Window):

- File Path:** PWL_POS/app/Http/Controllers/UserController.php
- Code Content:** UserController.php (M)
- Code Preview:** user.blade.php
- Code:** (Partial view of UserController.php)

```
class UserController extends Controller
{
    /**
     * 1 reference | 0 overrides
     * public function index()
     */
    $user = UserModel::firstOrNew([
        'username' => 'manager55',
        'nama' => 'Manager55',
        'password' => Hash::make('12345'),
        'level_id' => 2
    ]);
    $user->username = 'manager56';

    $user->isDirty();
    $user->isDirty('username');
    $user->isDirty('nama');
    $user->isDirty(['nama', 'username']);

    $user->isClean();
    $user->isClean('username');
    $user->isClean('nama');
    $user->isClean(['nama', 'username']);

    $user->save();

    $user->isDirty();
    $user->isClean();
    dd($user->isDirty());
}
```

Bottom Status Bar: 6 selections Spaces: 4 UTF-8 LF { } PHP 8.1

Browser Tab Bar (Bottom Window):

- PWL - Jobsheet 04 - Eloquent ORM
- Untitled document - Google Doc
- 127.0.0.1:8000/user/
- Commits · rickyedjo/PWL_POS

Browser Address Bar: 127.0.0.1:8000/user/

Browser Status Bar: false // app\Http\Controllers\UserController.php:39

The screenshot shows a code editor interface with two tabs open: `UserModel.php` and `UserController.php`. The `UserModel.php` tab is active, displaying the following code:

```
class UserModel extends Model
{
    // ...
    public function index()
    {
        $user = UserModel::firstOrNew([
            'username' => 'manager11',
            'name' => 'Manager11',
            'password' => Hash::make('12345'),
            'level_id' => 2
        ]);
        $user->username = 'manager12';
        $user->save();
        $user->wasChanged();
        $user->wasChanged('username');
        $user->wasChanged(['username', 'level_id']);
        $user->wasChanged('name');
        dd($user->wasChanged(['name', 'username']));
    }
}
```

The `UserController.php` tab is visible in the background. The left sidebar shows the project structure of `PWL_POS`, including `app`, `Http`, `Controllers`, `Models`, and `views` directories with their respective files like `UserController.php`, `KategoriController.php`, `LevelController.php`, `UserModel.php`, etc.

Below the code editor, a browser window is open at `127.0.0.1:8000/user/`, showing the result of the commit. The URL bar also includes tabs for `PWL - Jobsheet 04 - Eloquent ORM`, `Untitled document - Google Docs`, and `Commits - ricktedjo/PWL_POS`.

Hasil Commit

Commits

ongoing

Commits on Mar 18, 2024

- Attribute Changes (rickytedjo committed now) fe41f2f
- Retrieving or Creating Models (rickytedjo committed 21 minutes ago) f963cc23
- Retrieving Aggregates (rickytedjo committed 32 minutes ago) 9f77faa
- Not Found Exceptions (rickytedjo committed 39 minutes ago) 2c512a9
- Retrieving Single Models (rickytedjo committed 47 minutes ago) 8192aef
- Fillable, Guarded (rickytedjo committed 49 minutes ago) de5eae2

Commits on Mar 10, 2024

Praktikum 2.6

PWL_POS

UserModel.php UserController.php M user.blade.php M

```

resources > views > user.blade.php > html > body > table > tr > td
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Data User </title>
5  </head>
6  <body>
7      <h1>Data User</h1>
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>{$d->level_id}</td>
22             <td>
23                 <a href="/user/ubah/{$d->user_id}"/>Ubah
24                 <a href="/user/hapus/{$d->user_id}"/>Hapus
25             </td>
26         </tr>
27     @endforeach
28     </table>
29 </body>
30 </html>

```

UserController.php M

```

app > Http > Controllers > UserController.php > PHP Intelephense > UserController > index
9  2 references | 0 implementations
10  class UserController extends Controller
11  {
12      // ...
13      1 reference | 0 overrides
14      public function index(){
15          $user = UserModel::all();
16          return view('user', ['data' => $user]);
17      }
18  }
19

```

Ln 25, Col 22 Spaces: 4 UTF-8 LF Blade

Screenshot of a code editor showing the file `user_tambah.blade.php` in a Laravel project named `PWL_POS`. The code defines a form for adding a new user.

```

<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="text" name="password" placeholder="Masukan Nama">
            <br>

            <label>Level ID</label>
            <input type="text" name="level_id" placeholder="Masukan ID Level">
            <br><br>

            <input type="submit" class = "btn btn-success" value="Simpan">
        </form>
    </body>
</html>

```

The browser tab shows the URL `127.0.0.1:8000/user/tambah`, indicating the form is ready for use.

Form Tambah Data User

Username

Nama

Password

Level ID

```
File Edit Selection View Go Run Terminal Help ← → PWL_POS
EXPLORER ... UserModel.php UserController.php M x user_tambah.blade.php U user.blade.php M web.php M
app > Http > Controllers > UserController.php > PHP Intelephense > UserController > tambah_simpan
UserModel.php UserController.php user_tambah.blade.php user.blade.php M web.php M
9 4 references | 0 implementations
10 class UserController extends Controller
11 {
12     //
13     1 reference | 0 overrides
14     public function index()
15     {
16         $user = UserModel::all();
17         return view('user',[ "data" => $user ]);
18     }
19
20     1 reference | 0 overrides
21     public function tambah()
22     {
23         return view('user_tambah');
24     }
25     1 reference | 0 overrides
26     public function tambah_simpan(Request $request)
27     {
28         UserModel::create([
29             'username' => $request->username,
30             'nama' => $request->nama,
31             'password' => Hash::make($request->password),
32             'level_id' => $request->level_id
33         ]);
34     }
35
36     return redirect('/user');
37 }
38
39 
```

Form Tambah Data User

Username	<input type="text" value="Masukan Username"/>
Nama	<input type="text" value="Masukan Nama"/>
Password	<input type="text" value="Masukan Nama"/>
Level ID	<input type="text" value="Masukan ID Level"/>

Simpan

Screenshot of a code editor showing the file `user_ubah.blade.php` in a Laravel project named `PWL_POS`. The code defines a form for updating user data.

```

<!DOCTYPE html>
<html>
    <head>
        <title>Data User </title>
    </head>
    <body>
        <h1>Form Tambah Data User</h1>
        <a href="/">Kembali</a>
        <form method="POST" action="/user/ubah_simpan/{{$data->user_id}}">
            {{ csrf_field() }}
            {{ method_field('PUT') }}

            <label>Username</label>
            <input type="text" name="username" placeholder="Masukan Username" value="{{$data->username}}">
            <br>

            <label>Nama</label>
            <input type="text" name="nama" placeholder="Masukan Nama" value="{{$data->username}}">
            <br>

            <label>Password</label>
            <input type="password" name="nama" placeholder="Masukan Nama" value="{{$data->password}}">
            <br>

            <label>Level ID</label>
            <input type="number" name="level_id" placeholder="Masukan ID Level" value="{{$data->level_id}}">
            <br><br>
            <input type="submit" class="btn btn-success" value="Simpan">
        </form>
    </body>
</html>

```

The terminal below shows a successful creation message:

INFO View [D:\Code\PWL_POS\resources\views\user_ubah.blade.php] created successfully.

The browser tab shows the URL `127.0.0.1:8000/user/ubah/1`.

Form Tambah Data User

Kembali

Username

Nama

Password

Level ID

```
class UserController extends Controller
{
    public function tambah_simpan(Request $request){
        return redirect('/user');
    }

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

    public function ubah_simpan($id, Request $request){
        $user = UserModel::find($id);

        $user->username = $request->username;
        $user->nama = $request->nama;
        $user->password = Hash::make($request->password);
        $user->level_id = $request->level_id;

        $user->save();
        return redirect('/user');
    }
}
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Press Ctrl+C to stop the server

2024-03-18 15:54:37

2024-03-18 15:54:39

```
class UserController extends Controller
{
    public function ubah($id){
        $user = UserModel::find($id);
        return view('user_ubah',[ 'data'=>$user]);
    }

    public function ubah_simpan($id, Request $request){
        $user = UserModel::find($id);

        $user->username = $request->username;
        $user->nama = $request->nama;
        $user->password = Hash::make($request->password);
        $user->level_id = $request->level_id;

        $user->save();
        return redirect('/user');
    }

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

2024-03-18 15:54:37

2024-03-18 15:54:39

2024-03-18 15:57:32

Hasil Commit

Commits

ongoing

Commits on Mar 18, 2024

- CRUD**
- rickytedjo committed now
- Attribute Changes**
- rickytedjo committed 1 hour ago
- Retrieving or Creating Models**
- rickytedjo committed 2 hours ago
- Retrieving Aggregates**
- rickytedjo committed 2 hours ago
- Not Found Exceptions**
- rickytedjo committed 2 hours ago
- Retrieving Single Models**
- rickytedjo committed 2 hours ago
- Fillable_Guarded**
- rickytedjo committed 2 hours ago

Praktikum 2.7

```

UserModel.php M
...
app > Models > UserModel.php > ...
1  <?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  references | 0 implementations
10 class UserModel extends Model
11 {
12     use HasFactory;
13
14     protected $table = 'm_user';
15     protected $primaryKey = 'user_id';
16
17     protected $fillable = ['level_id','username','nama','password'];
18
19     0 references | 0 overrides
20     public function level(): BelongsTo
21     {
22         return $this->belongsTo(LevelModel::class);
23     }
24
25
26
27
28
29
23

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

INFO Server running on [http://127.0.0.1:8000].

Press Ctrl+C to stop the server

```

UserController.php
4 use Illuminate\Http\Request;
5
6 use App\Models\UserModel;
7 use Illuminate\Support\Facades\Hash;
8
9
10 class UserController extends Controller
11 {
12     /**
13      * @reference 1 overrides
14      * @public
15      * @return mixed
16      */
17     public function index()
18     {
19         $user = UserModel::with('level')->get();
20         dd($user);
21     }
22
23     /**
24      * @reference 1 overrides
25      * @public
26      * @param Request $request
27      * @return mixed
28      */
29     public function tambah(Request $request)
30     {
31         $user = UserModel::create([
32             'username' => $request->username,
33             'nama' => $request->nama,
34             'password' => Hash::make($request->password),
35             'level_id' => $request->level_id
36         ]);
37     }
38
39     /**
40      * @reference 1 overrides
41      * @public
42      * @param Request $request
43      * @return mixed
44      */
45     public function tambah_simpan(Request $request)
46     {
47         UserModel::create([
48             'username' => $request->username,
49             'nama' => $request->nama,
50             'password' => Hash::make($request->password),
51             'level_id' => $request->level_id
52         ]);
53     }
54 }

```

Hasil Commit

Commit Type	Author	Date	Commit Hash
Relations	rickytedjo	committed now	e170332
CRUD	rickytedjo	7 minutes ago	8fdbfee
Attribute Changes	rickytedjo	1 hour ago	f641f2f
Retrieving or Creating Models	rickytedjo	2 hours ago	f963c23
Retrieving Aggregates	rickytedjo	2 hours ago	9f77faa
Not Found Exceptions	rickytedjo	2 hours ago	2c512a9
Retrieving Single Models	rickytedjo	2 hours ago	8192aef