Assignment 14 Documentation

Question 1:

You have a Laravel application with a form that submits user information using a POST request. Write the code to retrieve the 'name' input field value from the request and store it in a variable called $name.

```
    // Question 1
    function UserInfo( Request $request ): string{
        $name = $request→input( 'name' );
        return $name;
    }
```

```
// Question 1
Route::post( '/user-info', [AssigmentController::class, 'UserInfo'] );
```

Question 2:

In your Laravel application, you want to retrieve the value of the 'User-Agent' header from the current request. Write the code to accomplish this and store the value in a variable called $userAgent.

```
// Question 2
    function UserAgent( Request $request ): string{
        $userAgent = $request→header( 'User-Agent' );
        return $userAgent;
    }
```

```
// Question 2
Route::get( '/user-agent', [AssigmentController::class, 'UserAgent'] );
```

Question 3:

You are building an API endpoint in Laravel that accepts a GET request with a 'page' query parameter. Write the code to retrieve the value of the 'page' parameter from the current request and store it in a variable called $page. If the parameter is not present, set $page to null.

```
// Question 3
    function queryParameter( Request $request ) {
        $page = $request→query( 'page', null );
        if ( $page === null ) {
            return $page;
        } else {
            return response()→json( ['query' ⇒ 'Page parameter not found'], 400 );
        }
    }
```

```
// Question 3
Route::get( '/query', [AssigmentController::class, 'queryParameter'] );
```

Question 4:

Create a JSON response in Laravel with the following data:

```
{
   "message": "Success",
   "data": {
     "name": "John Doe",
     "age": 25
   }
}
```

```
// Question 4
    function JsonResponse(): JsonResponse{
        $data = array(
            "message" ⇒ "Success",
            "data"    ⇒ array(
                "name" ⇒ "John Doe",
                "age"  ⇒ 25,
            ),
        );
        return response()→json( $data );
    }
```

```
// Question 4
Route::get( '/json-response', [AssigmentController::class, 'JsonResponse'] );
```

Question 5:

You are implementing a file upload feature in your Laravel application. Write the code to handle a file upload named 'avatar' in the current request and store the uploaded file in the 'public/uploads' directory. Use the original filename for the uploaded file.

```php
// Question 5
    function FileUploads( Request $request ): bool{
        $file = $request→file( 'avatar' );
        $file→move( public_path( 'uploads' ), $file→getClientOriginalName() );
        return true;
    }
```

```php
// Question 5
Route::post( '/upload', [AssigmentController::class, 'FileUploads'] );
```

Question 6:

Retrieve the value of the 'remember_token' cookie from the current request in Laravel and store it in a variable called $rememberToken. If the cookie is not present, set $rememberToken to null.

```php
// Question 6 AssignmentController.php
    function SetCookie( Request $request ) {
        $rememberToken = $request→cookie( 'remember_token', null );
        return $rememberToken;
    }
```

```php
// Question 6
Route::post( '/cookie', [AssigmentController::class, 'SetCookie'] );
```

Question 7:

Create a route in Laravel that handles a POST request to the '/submit' URL. Inside the route closure, retrieve the 'email' input parameter from the request and store it in a variable called $email. Return a JSON response with the following data:
{
   "success": true,
   "message": "Form submitted successfully."
}

```php
// Question 7
Route::post( '/submit', function ( Request $request ) {
    $email = $request->input( 'email' );

    $response = array(
        "success" => true,
        "message" => "Form submitted successfully.",
    );

    if ( $email ) {
        return response()->json( $response );
    } else {
        return "Email should not be empty!";
    }
} );
```