

WEB DEVELOPMENT 2 DOCUMENTATION

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BSIT - 3C

Log Request Middleware

- Uses a custom log that records every http request on all views. The recorded files are stored in storage/logs/log.txt

```
app > Http > Middleware > LogRequests.php > ...
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use Illuminate\Http\Request;
7  use Illuminate\Support\Facades\Log;
8
9  4 references | 0 implementations
10 class LogRequests
11 {
12     /**
13      * Handle an incoming request.
14      *
15      * @param  \Illuminate\Http\Request  $request
16      * @param  \Closure  $next
17      * @return mixed
18      */
19     0 references | 0 overrides
20     public function handle(Request $request, Closure $next): mixed
21     {
22         $logData = '[' . now() . ']' . $request->method() . ' ' . $request->fullUrl();
23         Log::channel(channel: 'custom')->info(message: $logData);
24         return $next($request);
25     }
26 }
```

```
'custom' => [
    'driver' => 'single',
    'path' => storage_path(path: 'logs/log.txt'),
    'level' => 'info',
],
```

```
storage > logs > log.txt
1  [2024-10-06 14:05:20] local.INFO: [2024-10-06 14:05:20] GET http://127.0.0.1:8000
2  [2024-10-06 14:05:22] local.INFO: [2024-10-06 14:05:22] GET http://127.0.0.1:8000/home
3  [2024-10-06 14:05:22] local.INFO: [2024-10-06 14:05:22] GET http://127.0.0.1:8000/access-denied
4  [2024-10-06 14:05:23] local.INFO: [2024-10-06 14:05:23] GET http://127.0.0.1:8000/ageverification
5  [2024-10-06 14:05:25] local.INFO: [2024-10-06 14:05:25] GET http://127.0.0.1:8000/welcome?age=18
6  [2024-10-06 14:05:25] local.INFO: [2024-10-06 14:05:25] GET http://127.0.0.1:8000
7  [2024-10-06 14:05:33] local.INFO: [2024-10-06 14:05:33] GET http://127.0.0.1:8000/about
8  [2024-10-06 14:05:34] local.INFO: [2024-10-06 14:05:34] GET http://127.0.0.1:8000/contact
9  [2024-10-06 14:05:34] local.INFO: [2024-10-06 14:05:34] GET http://127.0.0.1:8000/home
10 [2024-10-06 14:05:34] local.INFO: [2024-10-06 14:05:34] GET http://127.0.0.1:8000/access-denied
11 [2024-10-06 14:05:37] local.INFO: [2024-10-06 14:05:37] GET http://127.0.0.1:8000/ageverification
12
```

Age Verification Middleware

- This middleware serves as the age verification before you can access the homepage view. It has 3 functions, if user inputs less than \$minAge(18) they are redirected to access denied view. If the user is over 18 and 21 they are redirected to the homepage view.

```
1  <?php
2
3  namespace App\Http\Middleware;
4
5  use Closure;
6  use Illuminate\Http\Request;
7
8  5 references | 0 implementations
9  class CheckAge
10
11     /**
12      * Handle an incoming request.
13      *
14      * @param \Illuminate\Http\Request $request
15      * @param \Closure $next
16      * @param int $minAge
17      * @return mixed
18      */
19     0 references | 0 overrides
20     public function handle(Request $request, Closure $next, $minAge = 18): Redirector|RedirectResponse
21     {
22         $age = $request->query(key: 'age');
23
24         // If the age is less than the minimum age, redirect to access denied
25         if ($age < $minAge) {
26             return redirect(to: '/access-denied');
27         }
28
29         // If the age is 18 or older, let the request continue to home page
30         if ($age < 21) {
31             return redirect(to: '/');
32         }
33         // If age is 21 or older continue to home page
34         return redirect(to: '/');
35     }
```

127.0.0.1:8000/ageverification

Welcome to Mac and Gab!

You want to order? Verify your age first.

Enter your age:

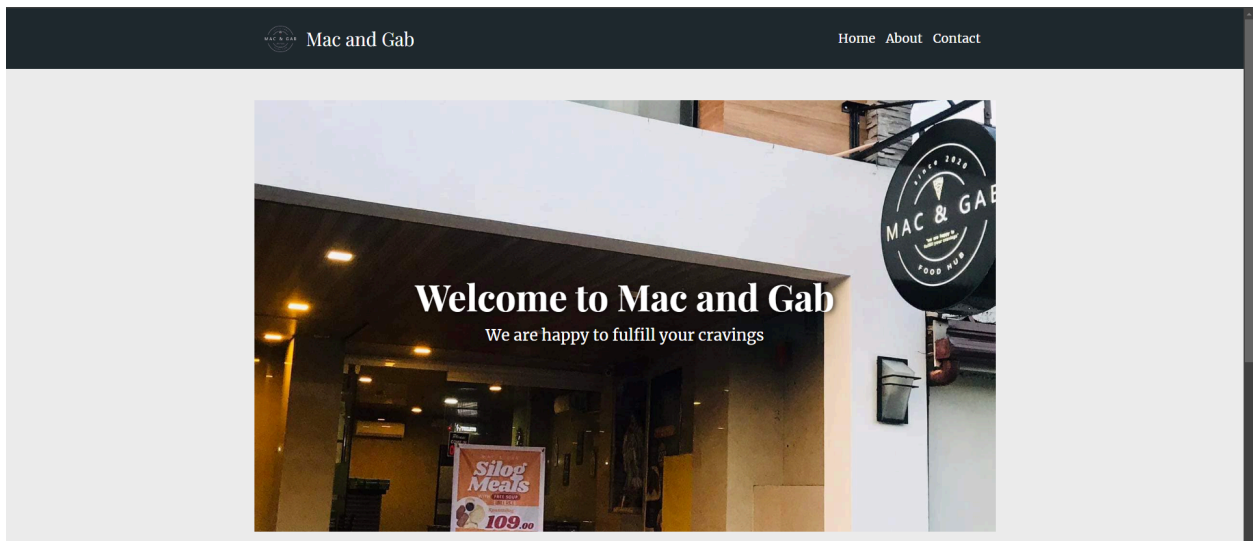
Submit

Access Denied

You must verify your age first

You must be at least 18 years old above to order.

Verify Age



AgeController Controller

Controls the functionality of verifying the age of the user and determines if the user is old enough to order or not.

```
app > Http > Controllers > AgeController.php > ...
1  <?php
2
3  namespace App\Http\Controllers;
4
5  use Illuminate\Http\Request;
6  use Illuminate\Support\Facades\Session;
7
8  1 reference | 0 implementations
9  class AgeController extends Controller
10 {
11     0 references | 0 overrides
12     public function showForm(): Factory|View
13     {
14         return view(view: 'login'); // Return the login view (which is the form)
15     }
16
17     0 references | 0 overrides
18     public function checkAge(Request $request): Redirector|RedirectResponse
19     {
20         // Validate the age input
21         $request->validate(rules: [
22             'check.age' => 'required|integer|min:0',
23         ]);
24
25         // Store the age in session
26         Session::put(key: 'age', value: $request->age);
27
28         // Redirect to the home page after successful age verification
29         return redirect(to: '/home');
30     }
31 }
```

Routes Configuration

```
// Route for checking age (form submission)
Route::get(uri: '/check-age', action: function (Request $request): mixed|RedirectResponse {
    $age = $request->query(key: 'age'); // Get age from query parameter

    // Redirect to the welcome route with the age
    return redirect()->route(route: 'welcome', parameters: ['age' => $age]);
})->name(name: 'check.age');

// The welcome route with CheckAge middleware applied
Route::middleware(middleware: ['check.age'])->get(uri: '/welcome', action: function (Request $request): Factory|View {
    return view(view: 'welcome', data: ['age' => $request->query(key: 'age')]); // Pass the age to the view
})->name(name: 'welcome');

// Access Denied route
Route::get(uri: '/access-denied', action: function (): Factory|View {
    return view(view: 'access-denied'); // Corrected view name
})->name(name: 'access.denied');

});
```