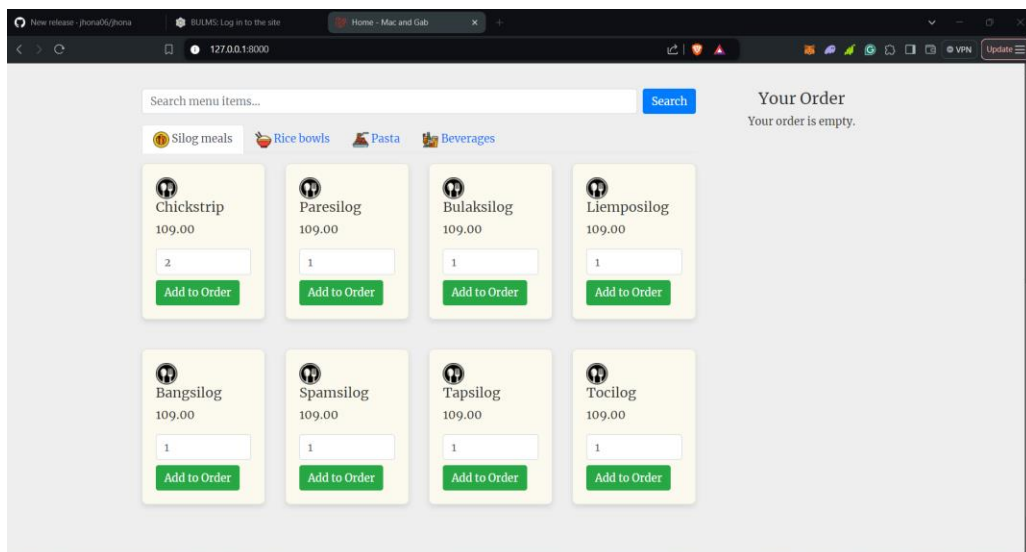
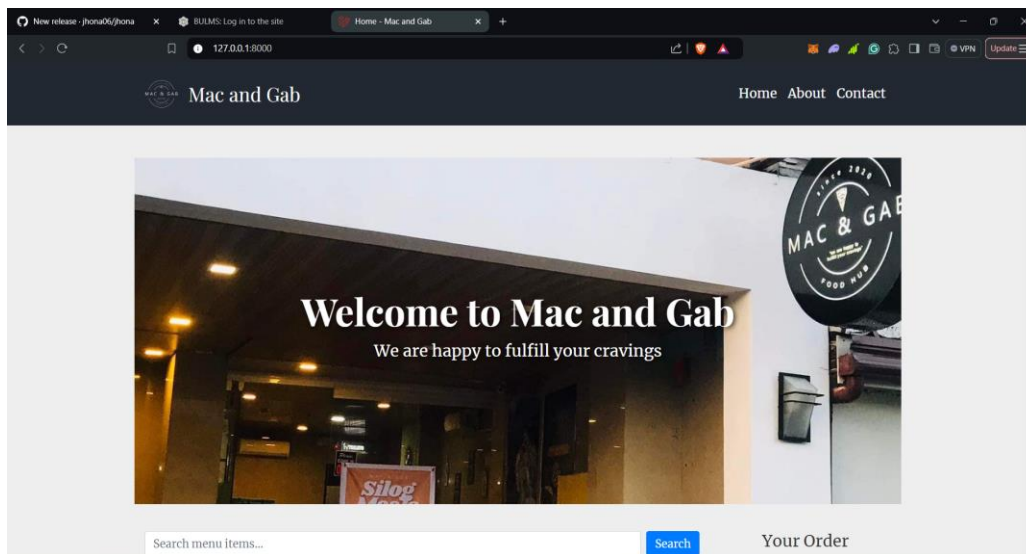


This is the homepage that the routes will direct you to when you enter the URL from php artisan serve (**see image 1**). The functionality is as follows: when you place an order, it will first direct you to the "Access Denied" page (**see image 3**) to indicate that you need to verify your age before ordering. After that, when you click "Verify Age," it will take you to the age verification page (**see image 2**). The parameter restricts access, so if your age is under 18, you will be redirected to "Access Denied" (**see image 3**). However, if your age is 18 or above, you will be allowed to place an order and return to the homepage (**see image 4**). As you place an order, the log.txt file will append the timestamps of every page access, logging the functionality of the routes (**see image 5**).



Images 1

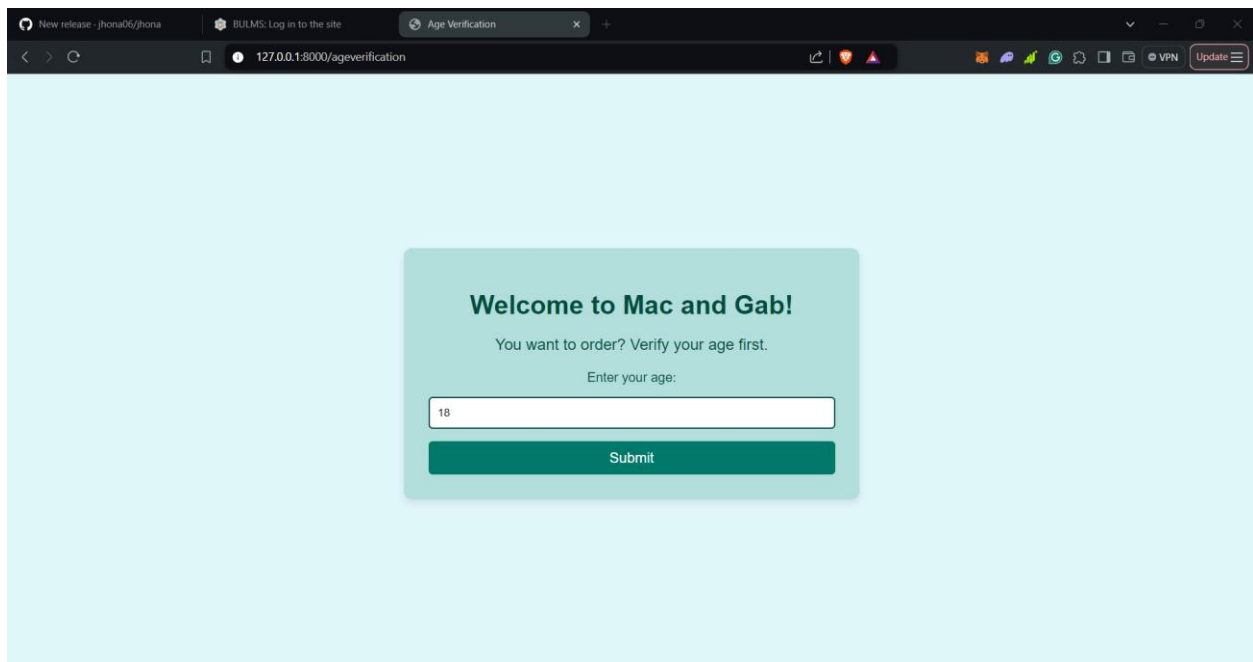


Image 2

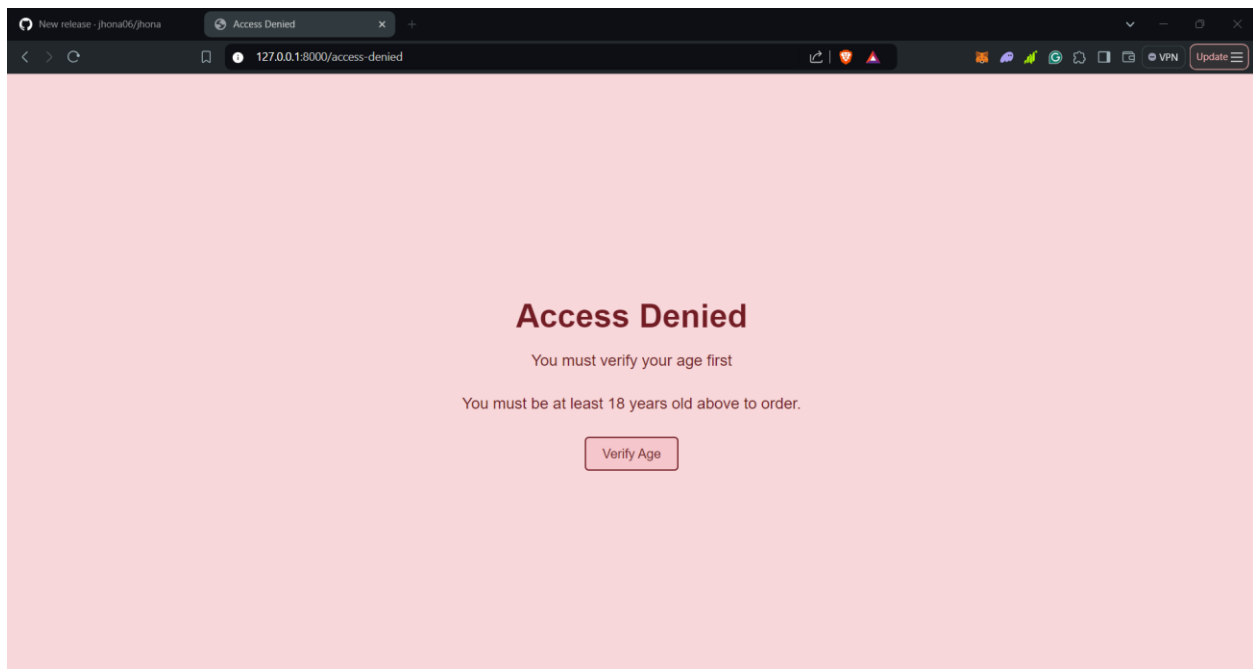


Image 3

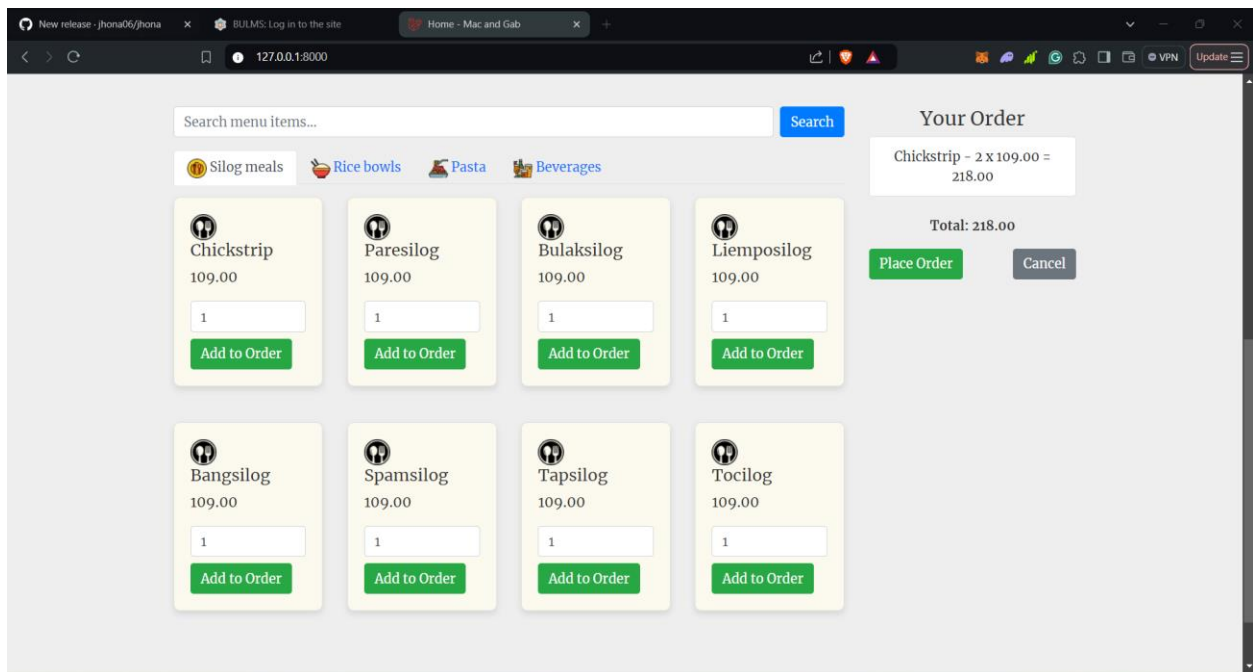


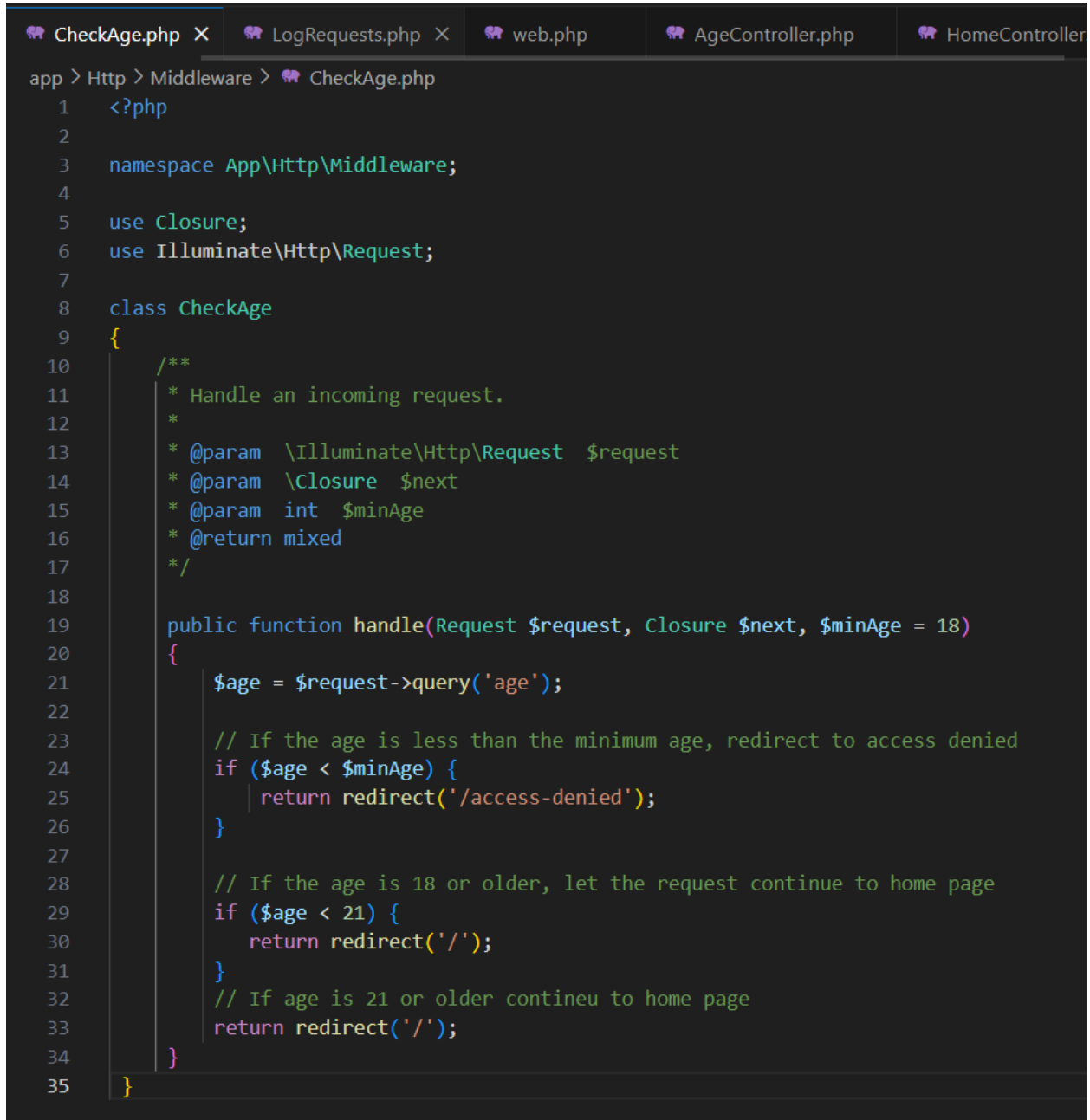
Image 4

```
access-denied.blade.php M × ageverification.blade.php MenuController.php database.php Kernel.php ap
storage > logs > log.txt
35 [2024-10-05 14:58:15] local.INFO: [2024-10-05 14:58:15] GET http://127.0.0.1:8000/home
36 [2024-10-05 14:58:15] local.INFO: [2024-10-05 14:58:15] GET http://127.0.0.1:8000/access-denied
37 [2024-10-05 14:58:21] local.INFO: [2024-10-05 14:58:21] GET http://127.0.0.1:8000/ageverification
38 [2024-10-05 14:58:25] local.INFO: [2024-10-05 14:58:25] GET http://127.0.0.1:8000/welcome?age=21
39 [2024-10-05 14:58:25] local.INFO: [2024-10-05 14:58:25] GET http://127.0.0.1:8000
40 [2024-10-05 14:59:25] local.INFO: [2024-10-05 14:59:25] GET http://127.0.0.1:8000/ageverification
41 [2024-10-05 14:59:28] local.INFO: [2024-10-05 14:59:28] GET http://127.0.0.1:8000/welcome?age=21
42 [2024-10-05 14:59:28] local.INFO: [2024-10-05 14:59:28] GET http://127.0.0.1:8000
43 [2024-10-05 14:59:31] local.INFO: [2024-10-05 14:59:31] POST http://127.0.0.1:8000/order/add
44 [2024-10-05 14:59:31] local.INFO: [2024-10-05 14:59:31] GET http://127.0.0.1:8000/home
45 [2024-10-05 14:59:31] local.INFO: [2024-10-05 14:59:31] GET http://127.0.0.1:8000/access-denied
46 [2024-10-05 14:59:45] local.INFO: [2024-10-05 14:59:45] GET http://127.0.0.1:8000/ageverification
47 [2024-10-05 14:59:49] local.INFO: [2024-10-05 14:59:49] GET http://127.0.0.1:8000/welcome?age=12
48 [2024-10-05 14:59:49] local.INFO: [2024-10-05 14:59:49] GET http://127.0.0.1:8000/access-denied
49 [2024-10-05 15:01:41] local.INFO: [2024-10-05 15:01:41] GET http://127.0.0.1:8000/access-denied
50 [2024-10-05 15:02:03] local.INFO: [2024-10-05 15:02:03] GET http://127.0.0.1:8000/access-denied
51 [2024-10-05 15:02:12] local.INFO: [2024-10-05 15:02:12] GET http://127.0.0.1:8000/ageverification
52 [2024-10-05 15:16:38] local.INFO: [2024-10-05 15:16:38] GET http://127.0.0.1:8000/ageverification
53 [2024-10-05 15:16:48] local.INFO: [2024-10-05 15:16:48] GET http://127.0.0.1:8000
54 [2024-10-05 15:16:52] local.INFO: [2024-10-05 15:16:52] POST http://127.0.0.1:8000/order/add
55 [2024-10-05 15:16:52] local.INFO: [2024-10-05 15:16:52] GET http://127.0.0.1:8000/home
56 [2024-10-05 15:16:52] local.INFO: [2024-10-05 15:16:52] GET http://127.0.0.1:8000/access-denied
57 [2024-10-05 15:16:54] local.INFO: [2024-10-05 15:16:54] GET http://127.0.0.1:8000/ageverification
58 [2024-10-05 15:16:57] local.INFO: [2024-10-05 15:16:57] GET http://127.0.0.1:8000/welcome?age=22
59 [2024-10-05 15:16:57] local.INFO: [2024-10-05 15:16:57] GET http://127.0.0.1:8000
60 [2024-10-05 15:17:50] local.INFO: [2024-10-05 15:17:50] POST http://127.0.0.1:8000/order/cancel
61 [2024-10-05 15:17:50] local.INFO: [2024-10-05 15:17:50] GET http://127.0.0.1:8000/home
62 [2024-10-05 15:17:50] local.INFO: [2024-10-05 15:17:50] GET http://127.0.0.1:8000/access-denied
63 [2024-10-05 15:17:58] local.INFO: [2024-10-05 15:17:58] GET http://127.0.0.1:8000/ageverification
64 [2024-10-05 15:18:01] local.INFO: [2024-10-05 15:18:01] GET http://127.0.0.1:8000/welcome?age=21
65 [2024-10-05 15:18:01] local.INFO: [2024-10-05 15:18:01] GET http://127.0.0.1:8000
66 [2024-10-05 15:18:48] local.INFO: [2024-10-05 15:18:48] POST http://127.0.0.1:8000/order/add
67 [2024-10-05 15:18:48] local.INFO: [2024-10-05 15:18:48] GET http://127.0.0.1:8000/home
68 [2024-10-05 15:18:48] local.INFO: [2024-10-05 15:18:48] GET http://127.0.0.1:8000/access-denied
69 [2024-10-05 15:18:54] local.INFO: [2024-10-05 15:18:54] GET http://127.0.0.1:8000/ageverification
70 [2024-10-05 15:19:20] local.INFO: [2024-10-05 15:19:20] GET http://127.0.0.1:8000/welcome?age=18
71 [2024-10-05 15:19:20] local.INFO: [2024-10-05 15:19:20] GET http://127.0.0.1:8000
```

```
logging.php ● CheckAge.php LogRequests.php web.php
config > logging.php
8 return [
56 'channels' => [
79 'custom' => [
80 'driver' => 'single',
81 'path' => storage_path('logs/log.txt'),
82 'level' => 'info',
83 ],
84 ]
```

Image 5

Source code for CheckAge.php: This shows the parameters for checking the age. If the age is below the minimum age of 18, it will redirect to the "Access Denied" page. If the age is between 18 and 21 or above, it will redirect to the homepage, allowing the user to place their order.



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

The source code for LogRequest.php captures the timestamp, HTTP method, and URL accessed by the user. It then sends this information to logging.php, which logs the gathered data about the user's access.

```
CheckAge.php X LogRequests.php X web.php AgeController.php HomeController.php
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  class LogRequests
10 {
11     /**
12      * Handle an incoming request.
13      *
14      * @param \Illuminate\Http\Request $request
15      * @param \Closure $next
16      * @return mixed
17      */
18     public function handle(Request $request, Closure $next)
19     {
20         $logData = '[' . now() . ']' . ' ' . $request->method() . ' ' . $request->fullUrl();
21         Log::channel('custom')->info($logData);
22         return $next($request);
23     }
24 }
```

```
logging.php ● CheckAge.php LogRequests.php web.php
config > logging.php
8  return [
56      'channels' => [
79          'custom' => [
80              'driver' => 'single',
81              'path' => storage_path('logs/log.txt'),
82              'level' => 'info',
83          ],
84      ],
```

The source code for AgeController.php validates the age input provided by the user and performs the necessary functionalities based on the user's request. It aligns the input with the business logic to determine whether the user can proceed with placing an order.

```
AgeController.php M X HomeController.php user.blade.php access-denied.blade.php
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  class AgeController extends Controller
9  {
10     public function showForm()
11     {
12         return view('login'); // Return the login view (which is the form)
13     }
14
15     public function checkAge(Request $request)
16     {
17         // Validate the age input
18         $request->validate([
19             'check.age' => 'required|integer|min:0',
20         ]);
21
22         // Store the age in session
23         Session::put('age', $request->age);
24
25         // Redirect to the home page after successful age verification
26         return redirect('/home');
27     }
28 }
29
```