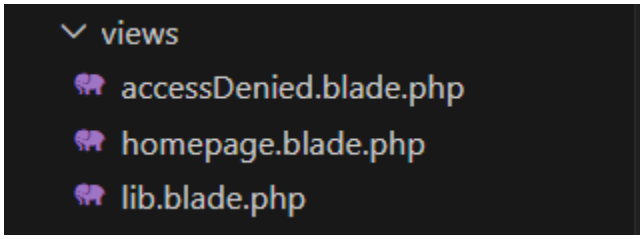
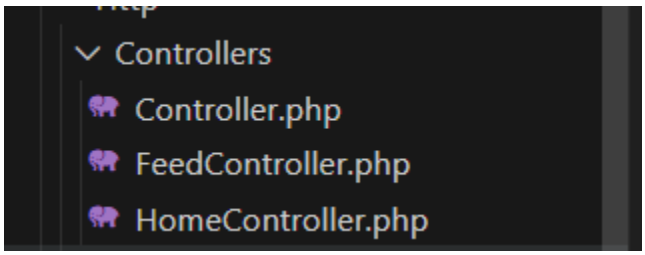
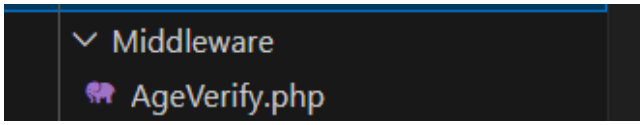
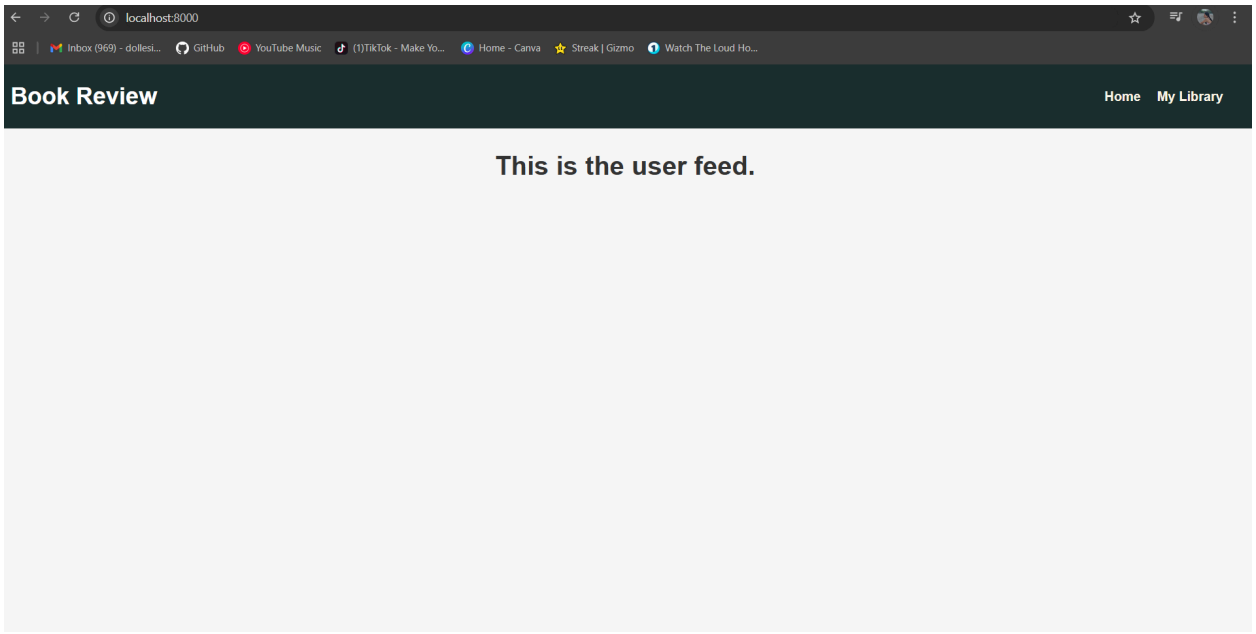
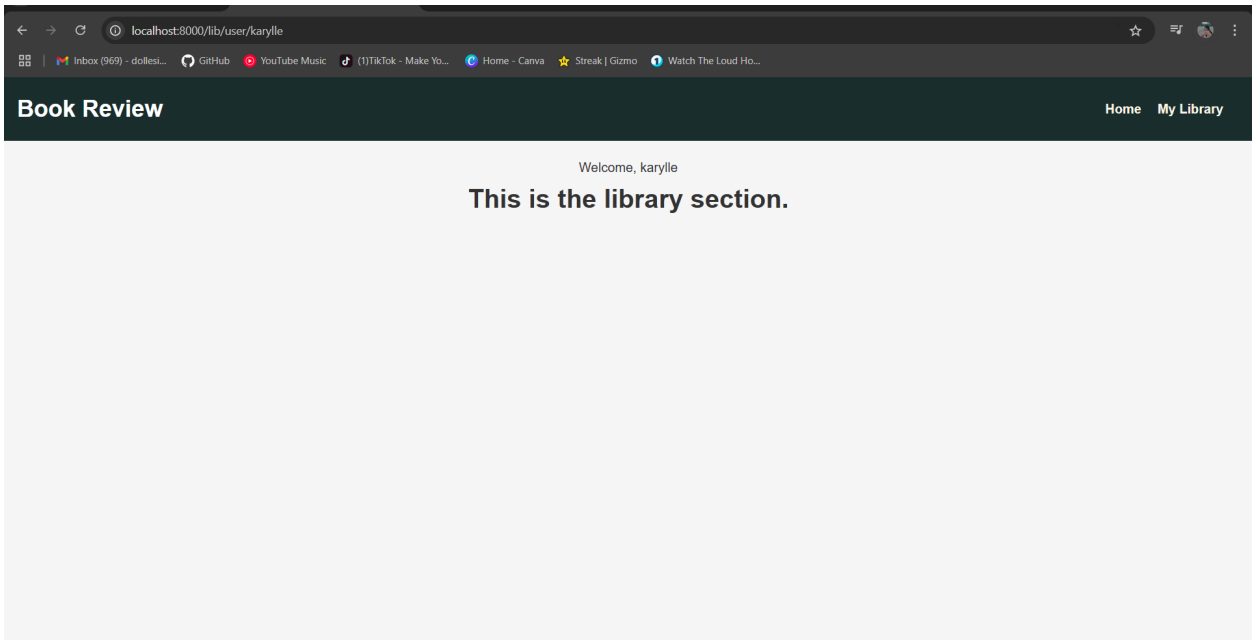
Laboratory 1: Controllers



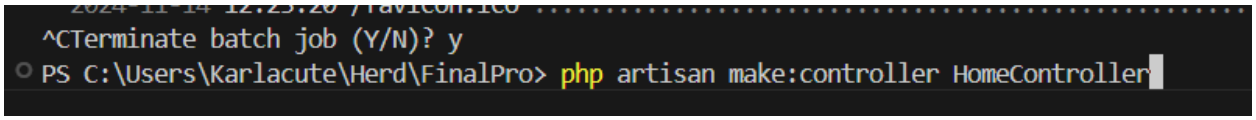




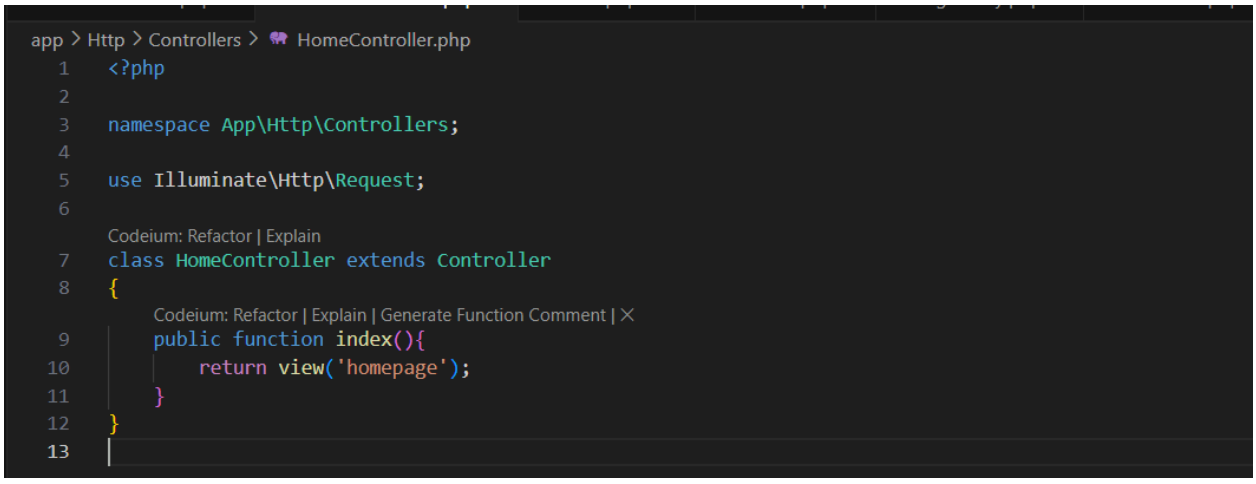




Part 1: Create and Register Controllers



The command *php artisan make:controller ControllerName* is used to create a controller class.



This is a PHP method named index in a controller class, likely in a Laravel framework application. It returns a view named 'homepage' when called, effectively displaying the homepage to the user.

```php
class FeedController extends Controller
{

    Codeium: Refactor | Explain | Generate Function Comment | ×
    public function index()
    {
        return view('lib'); // Assumes a dashboard.blade.php exists in resources/views
    }
    Codeium: Refactor | Explain | Generate Function Comment | ×
    public function show($userId)
    {
        return view('lib', ['userId' => $userId]); // No 'user.' prefix needed
    }

}
```

This class FeedController extends the Controller class. It has two methods:

The index() method returns a view named 'lib'. This assumes that a 'dashboard.blade.php' file exists in the 'resources/views' directory.

The show($userId) method returns a view named 'lib' and passes the $userId variable to it. There is no need for a 'user.' prefix in this case.

```php
Route::get('/', [HomeController::class, 'index'])
```

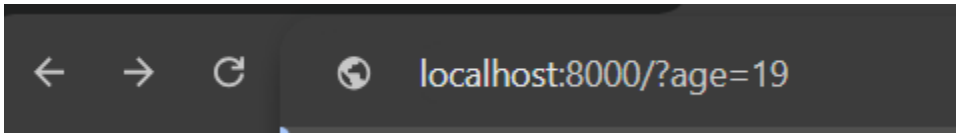
Register controllers in routes/web.php to link methods to URLs. When the user accessed the (/), the index method of HomeController will be executed returning a response.

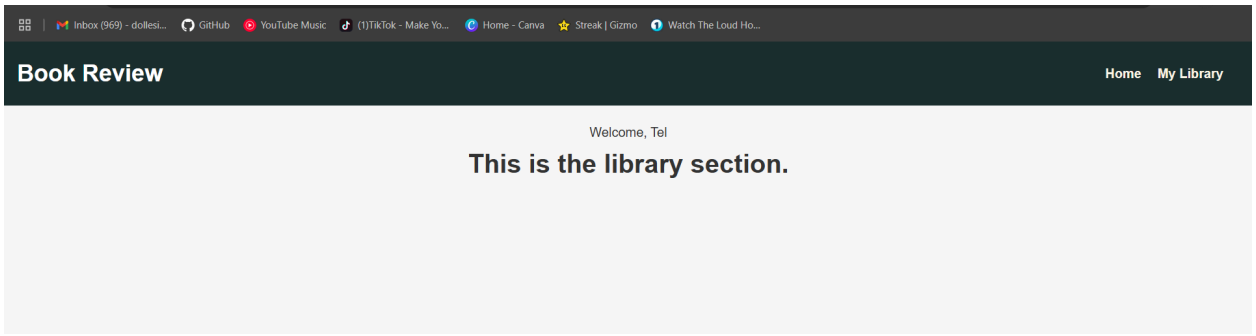
Part 2: Assign Controllers to Routes

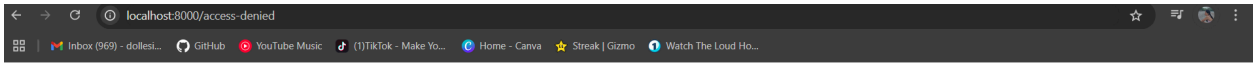
```php

Route::get('/', [HomeController::class, 'index'])->middleware(AgeVerify::class)->name('homepage');

```

The homepage route serves as the entry point of the application, currently protected by age verification middleware. This middleware checks if the user is at least 18 years old. If the user does not meet the age requirement, they are redirected to an access denied page. However, this is a temporary solution, and the middleware will be replaced with a more effective and customized version in the future to better suit the evolving needs of the application.

Testing:







Access Denied

Part 3: Controllers with Parameters

```php
class FeedController extends Controller
{

    Codeium: Refactor | Explain | Generate Function Comment | ×
    public function index()
    {
        return view('lib');
    }
    Codeium: Refactor | Explain | Generate Function Comment | ×
    public function show($userId)
    {
        return view('lib', ['userId' => $userId]);
    }

}
```

This class definition defines a *FeedController* class that extends the base Controller class in Laravel. It contains two methods:

index(): Returns a view named lib (located in resources/views/lib.blade.php) without passing any data to it.

show($userId): Returns the same lib view, but passes a userId variable to it, allowing the view to display user-specific data.

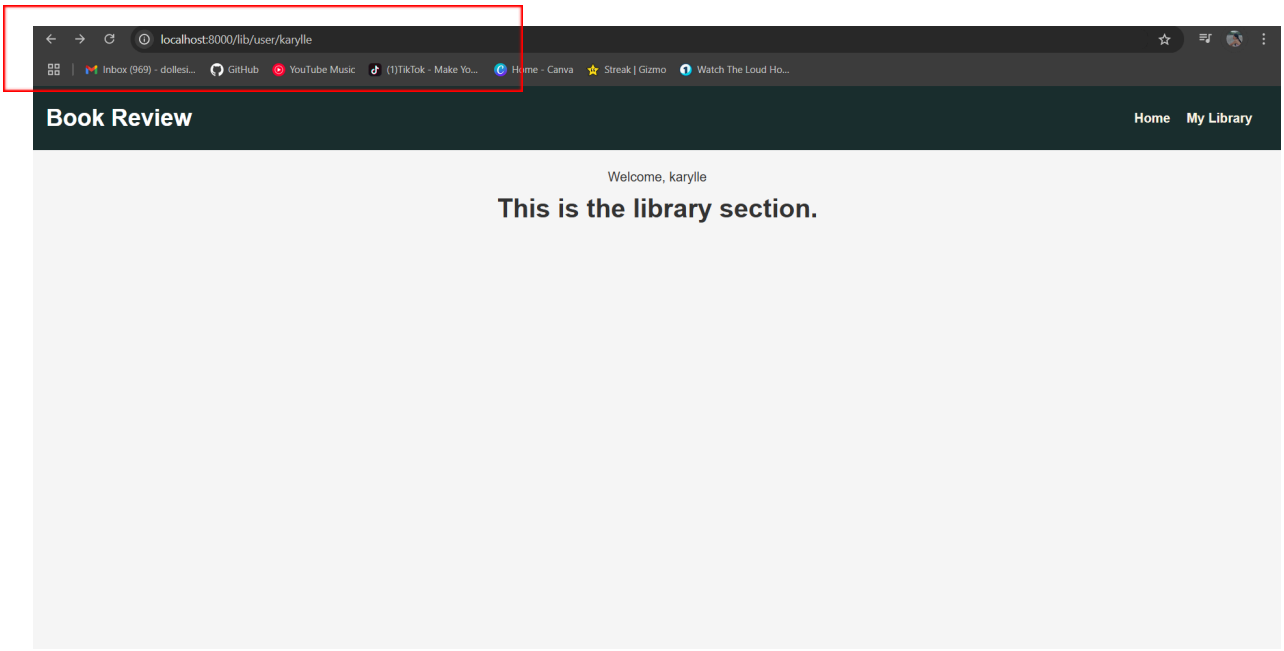
```php
Route::prefix('/lib')->group(function () {
    Route::get('/', [FeedController::class, 'index'])->name('lib.index');
    Route::get('/user/{userId}', [FeedController::class, 'show'])->name('lib.user');
});
```

This code defines a route *prefix /lib* and groups two routes under it:

A *GET* route for */lib* that maps to the *index* method of the *FeedController* class, named *lib.index.*

A *GET* route for */lib/user/{userId}* that maps to the show method of the *FeedController* class, named *lib.user.*

The *{userId}* part is a route parameter, which means it will be passed as an argument to the *show* method.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GitHub
YouTube Music
(1)TikTok - Make Yo...
Home - Canva
Streak | Gizmo
Watch The Loud Ho...
Book Review
Home
My Library
Welcome, karylle
This is the library section.