I. CONTROLLERS

DashboardController.php

Purpose:

The DashboardController is responsible for handling and displaying the general user dashboard as well as user-specific dashboards. It offers two main functionalities: loading the general dashboard view for authenticated users and showing a personalized dashboard for a specific user, identified by their id.

Methods:

- o index() -Loads and displays the general dashboard view for authenticated users.
- o show(\$id) Displays the user-specific dashboard for a particular user, identified by the id parameter.

UserDashboardController.php

Purpose:

The UserDashboardController is responsible for managing the user- specific dashboard page. It is designed to show personalized content or data based on the user's ID passed as a parameter.

Methods:

show(\$userId)

Purpose: Displays the user dashboard for a specific user, identified by the userld parameter.

Functionality: This method retrieves the userId passed as a parameter and passes it to the user-dashboard view.

Parameter Handling:

\$userId: The show method accepts a userId as a parameter, which is used to load personalized content related to that specific user. This parameter is passed from the route, and it helps identify which user's data should be displayed on the dashboard.

HomeController.php

ProfileController.php

```
namespace App\Http\Controllers:
use App\Http\Requests\ProfileUpdateRequest:
use Illuminate\Http\RedirectResponse;
use Illuminate\Http\Request;
use Illuminate\Support\Facades\Auth;
use Illuminate\Support\Facades\Redirect;
use Illuminate\View\View;
class ProfileController extends Controller
    public function edit(Request $request): View
        return view('profile.edit', [
             'user' => $request->user(),
    public function update(ProfileUpdateRequest $request): RedirectResponse
        $request->user()->fill($request->validated());
        if ($request->user()->isDirty('email')) {
            $request->user()->email verified at = null;
        $request->user()->save();
        return Redirect::route('profile.edit')->with('status', 'profile-updated');
    public function destroy(Request $request): RedirectResponse
        $request->validateWithBag('userDeletion', [
        $user = $request->user();
        Auth::logout():
        $user->delete();
        $request->session()->invalidate();
        $request->session()->regenerateToken();
        return Redirect::to('/');
```

Purpose:

The HomeController is responsible for handling the logic for the homepage of the application. Its main purpose is to process requests that target the homepage of the site and then render the appropriate view, which in this case is the homepage view located at resources/views/homepage.blade.php.

Methods:

index():

Purpose: This method is the default method for handling requests to the homepage of the site. It loads and returns the homepage view.

Functionality: When a request is made to the route that this controller is assigned to (usually the root URL /), the index() method is invoked. The method simply returns a view (homepage) to be rendered in the browser.

Purpose:

The ProfileController is responsible for handling actions related to the user's profile. It allows users to view and update their profile information, as well as delete their account if they choose to.

Methods:

- edit(Request \$request): View
 - Displays the user's profile form, where they can view and edit their profile details.

Functionality: This method is responsible for showing the profile editing form. It retrieves the currently authenticated user and passes the user object to the profile.edit view so the user can edit their profile.

- update(ProfileUpdateRequest \$request):
 RedirectResponse
 - Updates the authenticated user's profile information.

Functionality: This method is used to handle the updating of the user's profile details, such as name and email. It validates the request data using the ProfileUpdateRequest, updates the user's profile in the database, and handles the email verification logic (if the email has changed). After saving the updated information, it redirects the user back to the edit profile page with a success message.

- destroy(Request \$request): RedirectResponse
 - Deletes the authenticated user's account after confirming the current password.

Functionality: This method handles the deletion of the user's account. It first validates that the password entered by the user matches the current password. After validation, the user's account is deleted from the database, and the user is logged out. The session is invalidated to prevent the user from accessing the site after deletion. Finally, the user is redirected to the homepage.

Parameter Handling:

edit(Request \$request):

The edit method takes a Request parameter, which is used to access the authenticated user (\$request->user()). This parameter is passed automatically by Laravel and represents the current HTTP request, including user data.

update(ProfileUpdateRequest \$request):

The update method takes a ProfileUpdateRequest parameter, which is a custom request class that handles validation for updating the user's profile. It ensures that the incoming data is valid before updating the user's information.

destroy(Request \$request):

The destroy method also takes a Request parameter to access the authenticated user and their session data. The password input field is validated to ensure the user has entered the correct password before their account is deleted.

Explanation of Key Features:

ProfileUpdateRequest:

This is a custom request class used to validate the data being submitted when the user updates their profile. It ensures that the input meets the required format (e.g., valid email, correct password) before proceeding with the update.

Auth::logout():

This function logs the user out of the application. It's used in the destroy method after the user account is deleted to ensure they can no longer access the site.

Redirect::route('profile.edit'):

This is used to redirect the user back to the profile edit page with a success message after their profile is updated.

update(ProfileUpdateRequest \$request):

The update method takes a ProfileUpdateRequest parameter, which is a custom request class that handles validation for updating the user's profile. It ensures that the incoming data is valid before updating the user's information.

II. ROUTES

Web.php

/: Handled by the *HomeController@index* method

/dashboard: Uses an anonymous function (direct view return), protected by the auth and verified middleware.

/profile: Handled by ProfileController@edit,
ProfileController@update, and
ProfileController@destroy methods with auth
middleware.

/user-dashboard/{userId}: Handled by UserDashboardController@show with auth middleware.

III. BLADE FILES

Dashboard.blade.php

Purpose:

- Authenticated User: If the user is authenticated (auth()->check()), a link to the User Dashboard is displayed. The URL is dynamically generated using the route helper, passing the authenticated user's ID as a parameter (auth()->user()->id).
- Non-authenticated User: If the user is not authenticated, a message prompts them to log in in order to access the dashboard.

UserDashboard.blade.php

The **welcome message** dynamically greets the user using the **{{ \$userId }}** placeholder, which would be replaced by the actual user ID passed from the controller.

Login.blade.php

Session Status Component: Displays any session status messages like login success or errors.

Action Links and Button:

- o Forgot Password: A link to reset the password.
- o **Login Button**: Submits the login form.

Register.blade.php

Form: The registration form (<form>) uses the POST method to submit the data to the register route.

Action Links and Button:

- Login Link: Directs users to the login page if they already have an account.
- Register Button: Submits the form to create a new user.

Homepage.blade.php

Purpose: This conditional section checks if the user is authenticated using the @auth directive.

- o If authenticated, it displays a message confirming login and a link to the dashboard.
- If not authenticated, it prompts the user to log in or register, with links that lead to the login and registration routes.

Delete-user-form.blade.php

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Purpose: This section allows the user to delete their account from the platform.

Update-password-form.blade.php

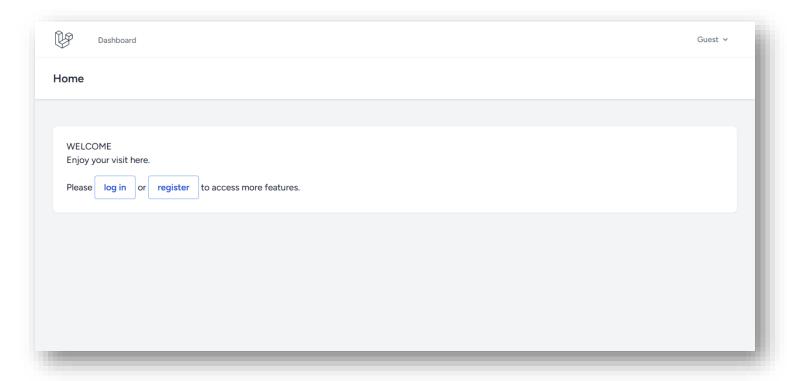
Purpose: This section allows the user to update their account password.

Update-profile-information-form.blade.php

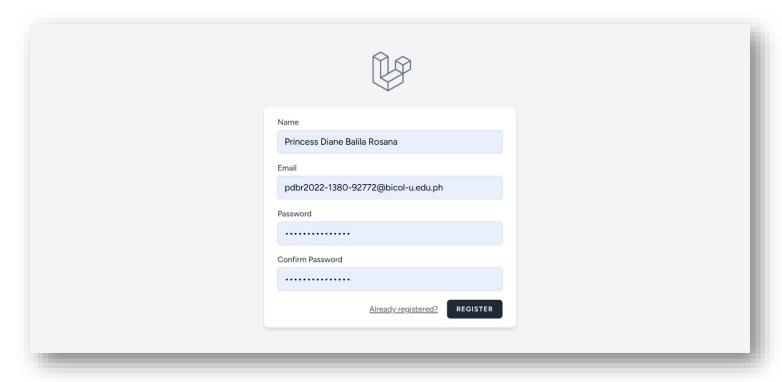
Purpose: This section allows the user to update their profile information, including their name and email address.

IV. RENDERED PAGES

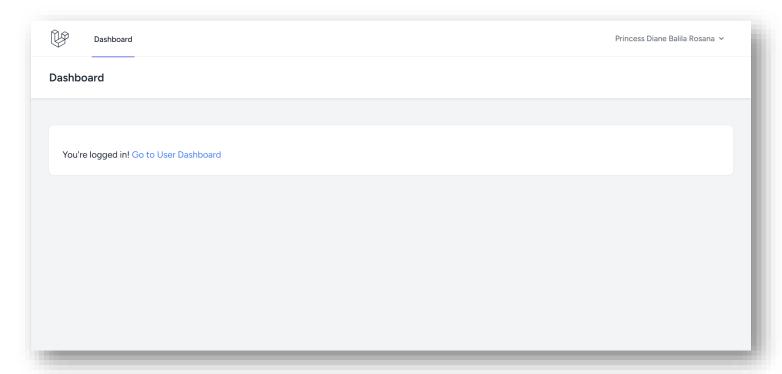
http://127.0.0.1:8000/



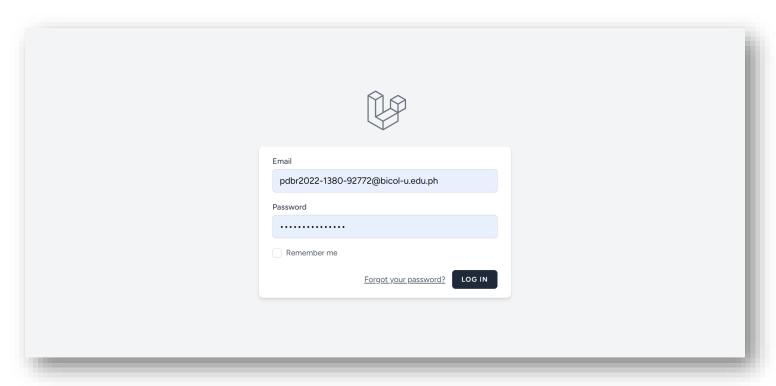
o http://127.0.0.1:8000/register



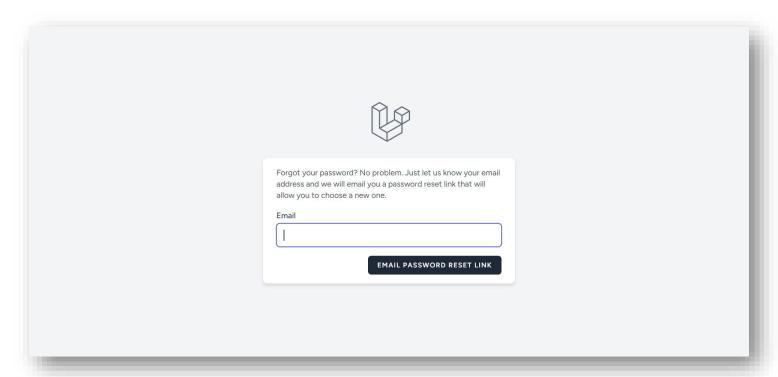
o http://127.0.0.1:8000/dashboard



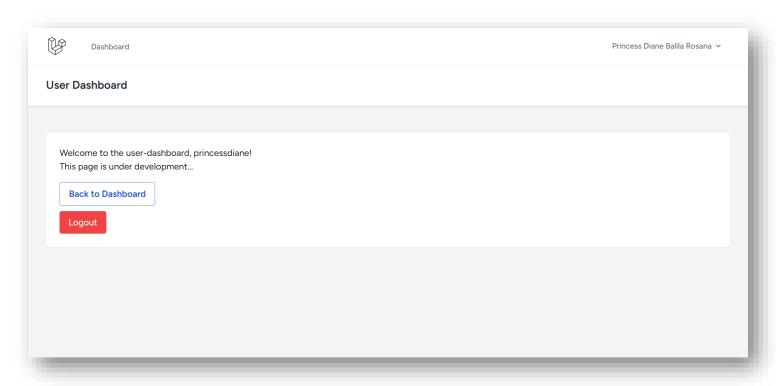
o http://127.0.0.1:8000/login



o http://127.0.0.1:8000/forgot-password



o http://127.0.0.1:8000/user-dashboard/princessdiane



http://127.0.0.1:8000/profile

