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**41-ITE-01**

**LAB ACTIVITY: LARAVEL SIMPLE AUTHENTICATION WITH BREEZE (CUSTOMIZING WITH LAST NAME, FIRST NAME, AND MIDDLE NAME)**

**Objective:**  
In this lab activity, students will set up a simple authentication system using Laravel Breeze. They will customize the Breeze scaffolding to use separate fields for Last Name, First Name, and Middle Name instead of the default Name field.

**Instructions:**

**1. Set up a New Laravel Project**

* Open your terminal and navigate to the folder where you want to create your project.
* Run the following command to create a new Laravel project:

composer create-project laravel/laravel laravel-auth

* Navigate into your new Laravel project directory:

cd laravel-auth

**2. Install Laravel Breeze**

* Install the Laravel Breeze package by running the following commands:

composer require laravel/breeze --dev

* Install the Breeze scaffolding:

php artisan breeze:install

* Install front-end dependencies and build assets:

npm install

npm run dev

* Run the database migrations to create the necessary tables:

php artisan migrate

**3. Customizing the Registration Form**

* Open the resources/views/auth/register.blade.php file.
* Modify the form to include separate fields for Last Name, First Name, and Middle Name. For example:

<div>

<label for="first\_name">First Name</label>

<input id="first\_name" type="text" name="first\_name" required autofocus />

</div

<div>

<label for="middle\_name">Middle Name</label>

<input id="middle\_name" type="text" name="middle\_name" />

</div>

<div>

<label for="last\_name">Last Name</label>

<input id="last\_name" type="text" name="last\_name" required />

</div>

**4. Updating the User Model**

* Open the app/Models/User.php file.
* Update the $fillable property to include first\_name, middle\_name, and last\_name:

protected $fillable = [

'first\_name', 'middle\_name', 'last\_name', 'email', 'password',

];

**5. Modifying the Registration Logic**

* Open the app/Http/Controllers/Auth/RegisteredUserController.php.
* Update the store method to handle the new fields:

$request->validate([

'first\_name' => ['required', 'string', 'max:255'],

'middle\_name' => ['nullable', 'string', 'max:255'],

'last\_name' => ['required', 'string', 'max:255'],

'email' => ['required', 'string', 'email', 'max:255', 'unique:users'],

'password' => ['required', 'confirmed', Password::defaults()],

]);

User::create([

'first\_name' => $request->first\_name,

'middle\_name' => $request->middle\_name,

'last\_name' => $request->last\_name,

'email' => $request->email,

'password' => Hash::make($request->password),

]);

**6. Database Migration**

* Modify the users table migration file to add the first\_name, middle\_name, and last\_name fields.
* Open the database/migrations/{timestamp}\_create\_users\_table.php file.
* Update the up method to include these new columns:

$table->string('first\_name');

$table->string('middle\_name')->nullable();

$table->string('last\_name');

* Run the migration to apply the changes to your database:

php artisan migrate

**7. Testing the Registration Process**

* Start the Laravel development server:

php artisan serve

* Visit the registration page by navigating to http://localhost:8000/register.
* Register a new user using separate fields for First Name, Middle Name, and Last Name.
* Confirm that the registration works as expected and the user’s details are stored correctly in the database.

**8. Customizing the Profile Page (Optional)**

* You can also customize the profile page to display the user’s First Name, Middle Name, and Last Name. Modify the necessary views in resources/views/profile to achieve this.

**Submission:**

Once you've successfully implemented the registration with custom fields, take a screenshot of the registration form and the database entry for the newly registered user. Zip your project folder and submit both the screenshot and the zipped file on **STEP S LMS** for review.

**Grading Criteria:**

* Properly set up Laravel Breeze and modified the registration form.
* Successfully updated the User model and migration for new fields.
* Implemented validation and saving logic for the new fields.
* Functional registration with separate fields for Last Name, First Name, and Middle Name.
* Screenshots and zipped project submitted on STEP S LMS.





