



Installation Documentation

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—Group one

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Pre-request

- **PHP 8.3:**
 - Download the appropriate PHP version from <https://www.php.net/downloads>.
 - Follow the installation instructions for your operating system.
 - Verify the installation by running `php -v` in your terminal.
- **Composer (version 2 or later):**
 - Download Composer from <https://getcomposer.org/>.
 - Follow the installation instructions for your operating system.
 - Verify the installation by running `composer --version` in your terminal.
- **Node.js (version 18 or later):**
 - Download Node.js from <https://nodejs.org/>.
 - Follow the installation instructions for your operating system.
 - Verify the installation by running `node -v` and `npm -v` in your terminal.

Verification

1. PHP 8.3 installed and accessible from your terminal (`php -v`). Make sure it is above 8.3
2. Composer installed and accessible from your terminal (`composer --version`). Make sure it is above 2.7.6
3. Node.js (version 18 or later) installed and accessible from your terminal (`node -v` and `npm -v`). Make sure node is above 18 and npm is above 10.

Navigate to the Project Directory:

Use the `cd` command in your terminal to navigate to the root directory of the `Student_Service_Management` project:

Bash

`cd Student_Service_Management`

Install laravel Dependencies

Use the `composer` command in your terminal to install laravel based packages to your system that are specified in the `Student_Service_Management` project:

Bash

`composer install`

Install Node(Tailwind) Dependencies

Use the `npm` command in your terminal to install tailwind based packages to your system that are specified in the `Student_Service_Management` project:

Bash

`npm install`

Start the Development Server

Laravel applications typically use a development server to run the application during development. To start the server, run the following command:

Bash

`php artisan serve`

This will start the development server, usually accessible at `http://localhost:8000` (or the port specified in your `.env` file) in your web browser.

View the Application

Open your web browser and navigate to `http://localhost:8000` (or the appropriate URL). You should now see the Laravel application running, potentially styled with Tailwind CSS classes.

Accessing Blade Templates (Optional)

If you need to modify Blade templates (Laravel's templating system), you'll find them in the `resources/views` directory of the project.

Using Tailwind Utilities (Optional)

If Tailwind CSS is integrated into the project, you can use its utility classes within your Blade templates to style your HTML elements. Refer to the Tailwind CSS documentation (<https://tailwindcss.com/docs/installation>) for detailed usage instructions.

Understanding the Code (Optional)

The project's functionality is implemented in the `app` directory, where you'll find controllers, models, and other core Laravel components. Exploring these files can help you understand how the application works.

Additional Notes:

- If you encounter any issues running the application, check the Laravel documentation (<https://laravel.com/docs/11.x/installation>) and Tailwind CSS documentation for troubleshooting steps.
- Remember that the specific functionality and structure of the `Student_Service_Management` application will depend on how it was created. This guide provides general steps for assuming and working with a Laravel + Tailwind CSS project.

By following these steps, you should be able to start working with the existing Laravel application named `Student_Service_Management` that uses Tailwind CSS.