Assignment:
Blog Management System

Objective:

Develop a simple Blog Management System using Laravel. The system should have both Admin and User panels with basic CRUD functionality while following Object-Oriented Programming (OOP) principles.

Tech Stack:

- Backend: Laravel (latest version)
- Database: MySQL
- Frontend: HTML, CSS, Bootstrap (optional)
- Authentication: Laravel session handling
- Dependency Management: Composer
- Namespace Handling: PSR-4 Autoloading

Routes & Pages

Admin Panel:

1. **Login** - `admin/login`

Postify

Login

Please enter your credentials to log in.

Email

Password

Login

Create account

2. **Manage Posts** - `admin/posts`

Postify   Posts   Users   Logout

All Posts

Title ▼	Author ▼	Date ▼
Understanding React Hooks	Lysandra K.	2023-10-01
Advanced CSS Techniques	Dorian Y.	2023-09-25
JavaScript ES6 Features	Amara Z.	2023-09-20
Introduction to Node.js	Khalil N.	2023-09-15
Building REST APIs	Isadora P.	2023-09-10
Web Development Trends 2023	Thalia R.	2023-09-05
GraphQL vs REST	Zane Q.	2023-09-01
React vs Angular	Rhea M.	2023-08-28
Vue.js for Beginners	Nashira L.	2023-08-25

3. **Manage Users** - `admin/users`

4. **Logout** - `admin/logout`

User Panel:

1. **Register** - `register`

2. **Home (View Posts)** - home

😊 **Postify**   Sign Up   Login

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3. **Post Detail View** - `post/{id}`

😊 **Postify**   Sign Up   **Login**

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Published on : October 15, 2023   **Written by : Lysandra K.**

Technology evolves rapidly, shaping industries and everyday life. Here are some key trends:

1. AI-Powered Innovations
AI is driving automation, personalization, and efficiency. From ChatGPT advancements to AI-driven design tools, industries are embracing intelligent solutions.

2. Quantum Computing Progress
Tech giants like IBM and Google are making breakthroughs in quantum computing, promising faster problem-solving and secure encryption.

3. 5G & Connectivity
With global 5G expansion, faster networks are enabling smart cities, IoT advancements, and immersive AR/VR experiences.

4. Sustainable Tech
Green computing, energy-efficient chips, and eco-friendly tech solutions are shaping a more sustainable digital future.

5. Cybersecurity Evolution
With increasing cyber threats, businesses are focusing on AI-driven security, zero-trust frameworks, and blockchain authentication.
Tech continues to redefine possibilities. Stay updated to stay ahead!

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4. **Login** - `login`

😊 Postify

Login In

Please enter your credentials to log in.

| Email |

| Password |

| Sign In |

Sign Up

5. **My Posts** - `mypost`

😊 Postify   Hi, John Doe   Logout

My Posts   Add Post

Title ▼	Date ▼	Action
Understanding React Hooks	2023-10-01	Edit Delete
Advanced CSS Techniques	2023-09-25	Edit Delete
JavaScript ES6 Features	2023-09-20	Edit Delete
Introduction to Node.js	2023-09-15	Edit Delete
Building REST APIs	2023-09-10	Edit Delete
Web Development Trends 2023	2023-09-05	Edit Delete
GraphQL vs REST	2023-09-01	Edit Delete
React vs Angular	2023-08-28	Edit Delete
Vue.js for Beginners	2023-08-25	Edit Delete

6. **Add Post** - `addpost`

7. **Save Post** - `save`
8. **Edit Post** - `edit/{id}`
9. **Delete Post** - `delete/{id}`

Features & Functionalities

Admin Panel:

- Secure login/logout
- Manage all blog posts (CRUD operations)
- Manage user accounts (CRUD operations)

User Panel:

- User registration & login
- Add/Edit/Delete posts
- View posts on the home page
- View own posts separately in "My Posts"
- View detailed post page

Evaluation Criteria:

1. Code Quality:

- Clean, well-structured, and modular code.
- Proper use of **Laravel's** best practices.

2. Functionality:

- User authentication works as expected.
- Blog post creation, editing, and deletion are smooth.
- Author-based post-filtering functions properly.

3. Database Design:

- Well-structured tables with proper relationships.
- Secure password storage using hashing.

4. UI/UX:

- Responsive and user-friendly design.
- Clear validation messages and smooth interactions.

5. Security:

- Prevent SQL injection and XSS.
- Ensure **secure session management**.

Project Explanation:

The candidates are required to create a project based on the design and details provided. Upon completing the project, they must present it on their own laptop to demonstrate its functionality and undergo a code audit.

Note :
1. The assignment must run locally; no internet access will be provided. Do not use CDN-based JS or CSS; instead, import all required files locally.
2. Avoid using ChatGPT or any AI tool.
3. Use PHP namespaces in the project and configure Composer for autoloading.