

EduSync Laravel

Sistema de gestión educativa migrado a Laravel, con arquitectura profesional y escalable.

Tecnologías principales

- **Laravel**: Framework PHP moderno y robusto.
- **Eloquent ORM**: Mapeo objeto-relacional para modelos y relaciones.
- **Sanctum**: Autenticación API segura.
- **Middleware personalizado**: Control de acceso por roles.

Estructura del proyecto

- `app/Models`: Modelos Eloquent para cada entidad principal.
- `app/Http/Controllers`: Controladores con lógica CRUD y comentarios.
- `app/Http/Middleware`: Middleware de roles.
- `database/migrations`: Migraciones con comentarios y claves foráneas.
- `routes/api.php`: Endpoints RESTful protegidos por autenticación y roles.

Guía de uso

1. Instala dependencias:

```
composer install
```

2. Configura tu base de datos en `.env`.
3. Ejecuta migraciones:

```
php artisan migrate
```

4. Inicia el servidor:

```
php artisan serve
```

5. Usa los endpoints API con autenticación y roles:
 - `/api/students`, `/api/teachers`, `/api/courses`, etc.

Seguridad y escalabilidad

- Todas las rutas sensibles están protegidas por autenticación y middleware de roles.
- Los modelos y controladores están preparados para crecer y agregar nuevas funcionalidades.
- Las relaciones entre entidades están definidas y comentadas para facilitar futuras mejoras.

Mejoras futuras

- Agregar tests automatizados.
 - Implementar notificaciones y eventos.
 - Integrar frontend moderno (Vue, React, etc).
 - Mejorar la gestión de permisos y auditoría.
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About Laravel

Laravel is a web application framework with expressive, elegant syntax. We believe development must be an enjoyable and creative experience to be truly fulfilling. Laravel takes the pain out of development by easing common tasks used in many web projects, such as:

- [Simple, fast routing engine](#).
- [Powerful dependency injection container](#).
- Multiple back-ends for [session](#) and [cache](#) storage.
- Expressive, intuitive [database ORM](#).
- Database agnostic [schema migrations](#).
- [Robust background job processing](#).
- [Real-time event broadcasting](#).

Laravel is accessible, powerful, and provides tools required for large, robust applications.

Learning Laravel

Laravel has the most extensive and thorough [documentation](#) and video tutorial library of all modern web application frameworks, making it a breeze to get started with the framework.

You may also try the [Laravel Bootcamp](#), where you will be guided through building a modern Laravel application from scratch.

If you don't feel like reading, [Laracasts](#) can help. Laracasts contains thousands of video tutorials on a range of topics including Laravel, modern PHP, unit testing, and JavaScript. Boost your skills by digging into our comprehensive video library.

Laravel Sponsors

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Contributing

Thank you for considering contributing to the Laravel framework! The contribution guide can be found in the [Laravel documentation](#).

Code of Conduct

In order to ensure that the Laravel community is welcoming to all, please review and abide by the [Code of Conduct](#).

Security Vulnerabilities

If you discover a security vulnerability within Laravel, please send an e-mail to Taylor Otwell via taylor@laravel.com. All security vulnerabilities will be promptly addressed.

License

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