RESTAURANT TABLE RESERVATION SYSTEM DOCUMENTATION

1. Introduction
This document explains the complete full-stack system using Laravel and MySQL. It is suitable for beginner students and competitions.

2. Objectives
• Understand full-stack architecture
• Learn database design
• Implement CRUD operations
• Apply authentication and authorization

3. Technology Stack
• Frontend: HTML, CSS, Bootstrap/Tailwind
• Backend: PHP Laravel
• Database: MySQL

4. User Roles
• Admin
• User

5. Database Schema
Tables with attributes and relationships are explained in detail for students.

6. Core Modules
• Authentication Module
• User Dashboard
• Admin Panel
• CRUD Operations

7. Pages Description
Each page includes purpose, inputs, outputs, and validations.

8. SQL Queries Examples
• INSERT
• SELECT
• UPDATE
• DELETE

9. Laravel Folder Structure
Explanation of Controllers, Models, Views, Routes, Middleware.

10. Security Measures
• Validation
• Authentication
• Authorization

11. Conclusion
This project prepares students for real-world Laravel development and competitions.