

Group 2 L2C5

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LawLink Project Description

Project Overview

LawLink is a comprehensive web-based platform designed to facilitate connections between lawyers and clients seeking legal consultation. The system will streamline the process of finding, booking, and managing legal appointments, while providing lawyers with tools to manage their availability and client interactions efficiently.

System Components

1. Database Design and Development

- Normalized data model capturing essential entities such as lawyers, clients, appointments, legal specializations, and user accounts
- Well-defined relationships using foreign keys and constraints
- Performance optimization with proper indexing and transaction management
- Implementation of backup and recovery mechanisms

2. Admin Dashboard

- Management of lawyer profiles and credentials verification
- Client management with ability to view and manage user accounts
- Appointment oversight
- System metrics including total appointments
- User management with appropriate roles and permissions

3. User Portals

Client Portal

- Profile management for personal information
- Search functionality to find lawyers by specialization and availability
- Appointment booking and management with calendar integration
- Payment processing for consultation fees
- History of past consultations and ability to leave reviews

Lawyer Portal

- Profile management with specialization details
- Availability management calendar
- Appointment tracking and history

4. Authentication & Authorization

- Secure login implementations with proper encryption
- Role-based access control distinguishing between administrators, lawyers, and clients
- Session management for maintaining authenticated state

5. MVC Architecture

- Model component for data management of lawyer profiles, client information, and appointments
- View component built with JSP and CSS for presenting appropriate interfaces
- Controller for processing requests and coordinating data flow
- Additional packages for utilities and services to support business logic

6. Frontend Design and Development

- Responsive user interface using JSP and CSS (no frameworks)
- CSS media queries and Flexbox for responsive design
- Limited JavaScript for enhanced user experience
- Intuitive navigation and user-friendly forms

7. Additional Features

- About page with information about the platform
- Contact page with support information
- FAQ section for common questions
- Legal resources and information section