

FIND MY LAWYER: A PLATFORM THAT CAN GIVE YOU A PERFECT LAWYER

BY

Md. Abu Rayhan
ID: 201-15-3418

This Report Presented in Partial Fulfillment of the Requirements for the
Degree of Bachelor of Science in Computer Science and Engineering

Supervised By

Mr. Mahimul Islam Nadim
Lecturer
Department of CSE
Daffodil International University

Co-Supervised By

Narayan Ranjan Chakraborty
Assistant Professor
Department of CSE
Daffodil International University



DAFFODIL INTERNATIONAL UNIVERSITY

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APPROVAL

This Project/internship titled "FIND MY LAWYER: A PLATFORM THAT CAN GIVE YOU A PERFECT LAWYER", submitted by Md. Abu Rayhan Evan, ID No: 201-15-3418 to the Department of Computer Science and Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Computer Science and Engineering and approved as to its style and contents. The presentation has been held on 26 January, 2024.

BOARD OF EXAMINERS



Dr. Md. Ismail Jabiullah (MIJ)
Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Chairman



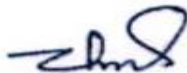
Raja Tariqul Hasan Tusher (THT)
Assistant Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Md. Abbas Ali Khan (AAK)
Assistant Professor
Department of Computer Science and Engineering
Faculty of Science & Information Technology
Daffodil International University

Internal Examiner



Dr. Md. Zulfiker Mahmud (ZM)
Associate Professor, External Member
Department of Computer Science and Engineering
Jagannath University

External Examiner

DECLARATION

We hereby declare that, this project has been done by me under the supervision of **Mr. Mahimul Islam Nadim**, Lecturer, Department of CSE Daffodil International University. We also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

Supervised by:



Mr. Mahimul Islam Nadim
Lecturer
Department of CSE
Daffodil International University

Co-Supervised by:



Narayan Ranjan Chakraborty
Assistant Professor
Department of CSE
Daffodil International University

Submitted by:



Md. Abu Rayhan
ID: 201-15-3418
Department of CSE
Daffodil International University

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ABSTRACT

Find My Lawyer is a web-based platform designed to automate the entire examination procedure. This makes it easy to communicate with a lawyer. Nowadays, all work we can do from home, like telemedicine, shopping, housework, etc., is done from home, but communicating with a lawyer is not very smooth. So, this is to help people communicate with a lawyer through a website. We can see many lawyers with all the details, such as experience, specialty area, where they work, etc. We use HTML, CSS, Bootstrap, and JavaScript for front-end software design and MySQL, PHP, and other databases for the back-end. This will be very helpful for all users. They can use this with very little time because we use proper coding on our website and we can output very quickly. Now we can share our important papers with a lawyer and make decisions from home. Many people do not have any idea about rules or something about crime. So anyone can know about this by communicating with a lawyer. We are checking all lawyers for fake lawyers. Anyone can find a lawyer who is specific about his or her problem. All users can review a lawyer, so we can find a good lawyer by viewing a review that was given by another user. The primary objective is to enhance human labor, make it more accurate, and reduce time costs for people.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Find My Lawyer is an advanced web application built using PHP and MySQL to find a lawyer and communicate smoothly. The primary goal of this project is to provide a user-friendly, efficient, and reliable system that reduces time and cost for consulting. Many people know about the law and have a proper idea about crime. In our country, we face many fake people in court, and we get fooled by these fake people. This website is a fulfilling task without going outside, which is mandatory for people to go outside. Lawyers are given proper time to give the user a proper solution. Find My Lawyer not only saves valuable time but also minimizes being foolish by the wrong person.

1.2 Motivation

An algorithm is a step-by-step set of instructions or a well-defined sequence of computational or logical operations designed to perform a specific task or solve a particular problem. It is a precise and unambiguous procedure that, when followed, guarantees the solution to the problem or the accomplishment of a specific task. Algorithms are used in various fields, including mathematics, computer science, and everyday problem-solving, and they serve as the foundation for computer programs and other automated processes. The efficiency and effectiveness of algorithms are crucial considerations in designing systems and solving computational problems.

1.3 Objective

To solve human labor in court, find the best lawyer for her or him, decrease time and cost, and share documents with the lawyer from home to get the best solution without going outside.

1.4 Description of the system

Find My Lawyer is a web application built using JavaScript and MySQL that automates the entire examination process in a modern way to find lawyer. The system is made to overcome the challenges included with traditional finding management methods, such as time costs decreasing, wrong steps in law decreasing, miscommunication, and security of people. All documents will be safe and secure. Find My Lawyer aims to revolutionize the way finding lawyers is managed and improve the overall quality of communication.

Key Components

User Interface: The Find My Lawyer user interface is clean and tidal well, which is easy to understand, easy to communicate, and attractive.

Lawyer Database: We maintain a well-maintained and regularly updated database of lawyers, law firms, and legal practitioners. We ensure the accuracy and legitimacy of lawyer profiles through a verification process.

Reviews and Ratings: A system for clients to leave reviews and ratings for lawyers, enhancing transparency and aiding others in decision-making. Implement measures to moderate and verify the authenticity of reviews.

Community and Support: Create a community forum where users can share experiences and advice. We provide responsive customer support for users facing technical issues or inquiries.

Payment Integration: We are implementing secure payment gateways for handling legal fees or consultation charges.

Data Security and Privacy: We are ensure all user data, communications, and transactions are encrypted for privacy and security. We are adhere to legal and ethical standards regarding user data protection.

Communication Platform: A secure messaging and calling system that enables direct communication between clients and lawyers. Integration for scheduling consultations or appointments.

Mobile Responsiveness: We are considering developing a mobile application for users to access the platform on smartphones, ensuring convenience and accessibility. Now our website is fully responsive. So, we can use this on our phone, tablet, iPhone, laptop, desktop, etc.

1.5 Expected outcome

Enhanced Access to Legal Services: Increased accessibility for individuals seeking legal representation. Broader reach, enabling people from various locations to find suitable lawyers.

Time and Effort Savings: We have streamlined the process for users to find relevant legal professionals quickly. Reduction in the time and effort traditionally spent searching for legal representation.

Improved Legal Matching: Effective algorithmic matching leads to higher client satisfaction. Increased success rates in connecting users with lawyers who meet their specific needs.

Community Building: Development of a supportive community where users can share experiences and insights. Fostering a sense of belonging for individuals navigating legal challenges.

User Satisfaction and Retention: High levels of user satisfaction are demonstrated through positive reviews and repeat usage. Development of a loyal user base that relies on the platform for their legal needs

Positive Social Impact: Contribution to a more just and fair legal ecosystem. Demonstration of how technology can be harnessed for positive social change.

1.6 Report Layout

Chapter 1: Introduction

This chapter provides the overview of the Find My Lawyer project, including its background, purpose, and the context of the education sector.

Chapter 2: Background

This chapter will describe the pillars and the infrastructure and the related sections as well as observing the related activities, comparing frameworks, related challenges of this project.

Chapter 3: Requirement Specification

In this section different models, Varieties of User Cases, ERD Diagram, Combination of needy requirements, planning, blueprint and necessary requirements will be described here.

Chapter 4: Design Specification

This chapter will describe the front-end and backend-end infrastructure of the whole project. User acquisition will be introduced here .

Chapter 5: Implementation and Testing

The analysis of testing and calculation processes for EMS, including functional and non-functional testing, performance testing, and user accusation testing to make sure the system gets desired performance standards and achieves the intended objectives.

Chapter 6: Conclusion and Future Scope

A discussion of the challenges encountered during the development of EMS, as well as recommendations for future enhancements and features to further improve the system's performance and capabilities.

CHAPTER 2

BACKGROUND

The Find My Lawyer project aims to address these challenges by developing a comprehensive, user-friendly, and automated solution to manage finding a lawyer in his or her own area. By leveraging modern technology and innovation, Find My Lawyer seeks to revolutionize the finding process, enhancing efficiency, accuracy, and accessibility.

2.1 Preliminary

Find My Lawyer is a web application where we can find lawyers who can solve our problems or suggest which is right or wrong. This is made with a PHP and MySQL database. We have many lawyers from different divisions. Anyone can communicate with a lawyer through our website, and then they can meet him or her personally if they want. We can see lawyer details, reviews, filter searches, real-time updates, and feedback from users, etc. PHP ensures that users can easily understand and work on our website.

2.2 Related works

Finding a lawyer from a website is used in various projects, but not so much in Bangladesh. Some of the related works that have laid the foundation for our lawyer management system are:

1. **Lawyer.com:** Lawyer.com offers a comprehensive lawyer directory with detailed profiles and allows users to search for legal professionals based on practice areas and location. Lawyer.com may generate revenue through partnerships, premium profiles, or other promotional services for attorneys [11].
2. **Avvo:** Avvo provides a comprehensive lawyer directory with detailed profiles, client reviews, and a proprietary rating system. Users can ask legal questions on the platform, and attorneys can provide answers. Avvo operates on a freemium model, allowing lawyers to create profiles for free but offering premium features for a subscription fee [12].

3. **Rocket Lawyer:** Rocket Lawyer offers a range of legal services, including document creation, legal advice, and access to attorneys. The platform provides customizable legal documents for various purposes. Rocket Lawyer operates on a subscription model, offering premium plans for users who require ongoing legal services [13].
4. **UpCounsel:** UpCounsel connects businesses with attorneys, allowing users to find legal help based on their specific needs. The platform includes profiles of attorneys, client reviews, and a messaging system for communication. UpCounsel operates on a model where clients pay attorneys directly for their services, and UpCounsel may charge a service fee [14].

These details provide a snapshot of the features and business models of some notable platforms in the legal tech space. Studying these aspects can offer valuable insights as you shape and refine the features and strategies for your "Find My Lawyer" project.

2.3 Scope of the problem

Understanding the scope of the problem my "Find My Lawyer" project aims to address is crucial for defining the project's objectives and designing effective solutions. Here are several aspects of the problem scope that you may consider. The following areas fall within the scope of the problem:

1. **Difficulty in Finding Legal Representation:** Identify common challenges individuals face when searching for legal representation, such as lack of knowledge about available lawyers, uncertainty about specialization, and difficulty in assessing attorney credibility.
2. **Geographical Barriers:** Explore how geographical constraints can limit access to suitable legal professionals. Consider whether people in certain regions face difficulties finding lawyers with specific expertise. Teacher assignment: Assigning teachers to specific exams based on their expertise and availability, ensuring a fair distribution of workload and maximizing efficiency.
3. **Information Overload:** Address the information overload individuals experience when researching lawyers online. Assess the overwhelming amount of information available and the challenge of distilling it to make informed decisions.
4. **Transparency and Trust Issues:** Investigate issues related to transparency and trust between clients and lawyers. Determine how individuals might struggle to assess the reliability and competence of lawyers, leading to potential trust issues.

5. **Legal Literacy Gap:** Explore the gap in legal literacy, where individuals may lack the understanding needed to navigate the legal system, resulting in challenges in identifying their legal needs and finding appropriate representation.

6. **Time Sensitivity:** Consider situations where legal matters require urgent attention. Evaluate how delays in finding suitable legal representation can impact the outcomes of legal cases.

7. **Diversity of Legal Needs:** Recognize the diversity of legal needs people may have. Assess how different types of legal issues require varying levels of expertise and specialization, making it challenging to find the right lawyer for specific cases

Understanding the scope of these problems will guide the development of features and functionalities in your "Find My Lawyer" project. It helps ensure that your platform effectively addresses the real challenges faced by individuals seeking legal representation.

2.4 Challenges

Launching and sustaining a project like "Find My Lawyer" can be accompanied by various challenges. Recognizing and addressing these challenges early in the development process is crucial for the success and effectiveness of the platform. Here are some potential challenges:

1. **Data Accuracy and Verification:** Ensuring the accuracy and reliability of lawyer profiles and information on the platform. We are implementing a robust verification process for lawyers and periodically reviewing and updating information.

2. **Privacy and Security Concerns:** We are safeguarding user data and ensuring secure communication between clients and lawyers. We employ encryption technologies, comply with data protection regulations, and prioritize user privacy in our design.

3. Building a Comprehensive Database: We are creating and maintaining an extensive and up-to-date database of lawyers across various specializations and locations. We are Develop strategic partnerships, encourage lawyers to join the platform, and implement regular database updates.

4. User Adoption and Trust: We are gaining user trust and encouraging lawyers to join the platform, especially in the early stages. We are Develop a user-friendly interface, provide detailed lawyer profiles, and consider initial incentives or promotions to attract both users and legal professionals.

5. Algorithmic Matching Accuracy: We are ensuring the matching algorithm effectively pairs users with lawyers based on their specific needs. We continuously refine and improve the algorithm based on user feedback.

6. Managing Reviews and Ratings: We are moderating reviews to ensure authenticity and fairness and addressing potential misuse. We are implementing a moderation system, encouraging genuine feedback, and providing mechanisms for users and lawyers to dispute inaccurate reviews.

7. Legal and Regulatory Compliance: We are navigating and complying with diverse legal regulations and ethical standards in different jurisdictions. We conduct thorough legal research, consult legal experts, and adapt the platform to comply with applicable laws.

8. User Education and Engagement: We are educating users about the platform's features and encouraging active engagement. We are Develop user-friendly guides, provide tutorials, and implement marketing strategies to increase awareness.

By anticipating and addressing these challenges, we can enhance the resilience and effectiveness of our "Find My Lawyer" project, ultimately providing a valuable and trustworthy resource for individuals seeking legal representation.

CHAPTER 3

REQUIREMENT SPECIFICATION

The requirement specification for the finding lawyer system outlines the key functional and non-functional requirements that the system needs to fulfill to successfully automate and streamline finding lawyer processes in any area. A brief description of these requirements is provided below:

3.1 Business Process Modeling

Business process modeling can show the entire work between the user and the lawyer. A user can create or login to a page. Then he or she can choose their lawyer and communicate with each other. They can share all problems and solutions in communication with the website.

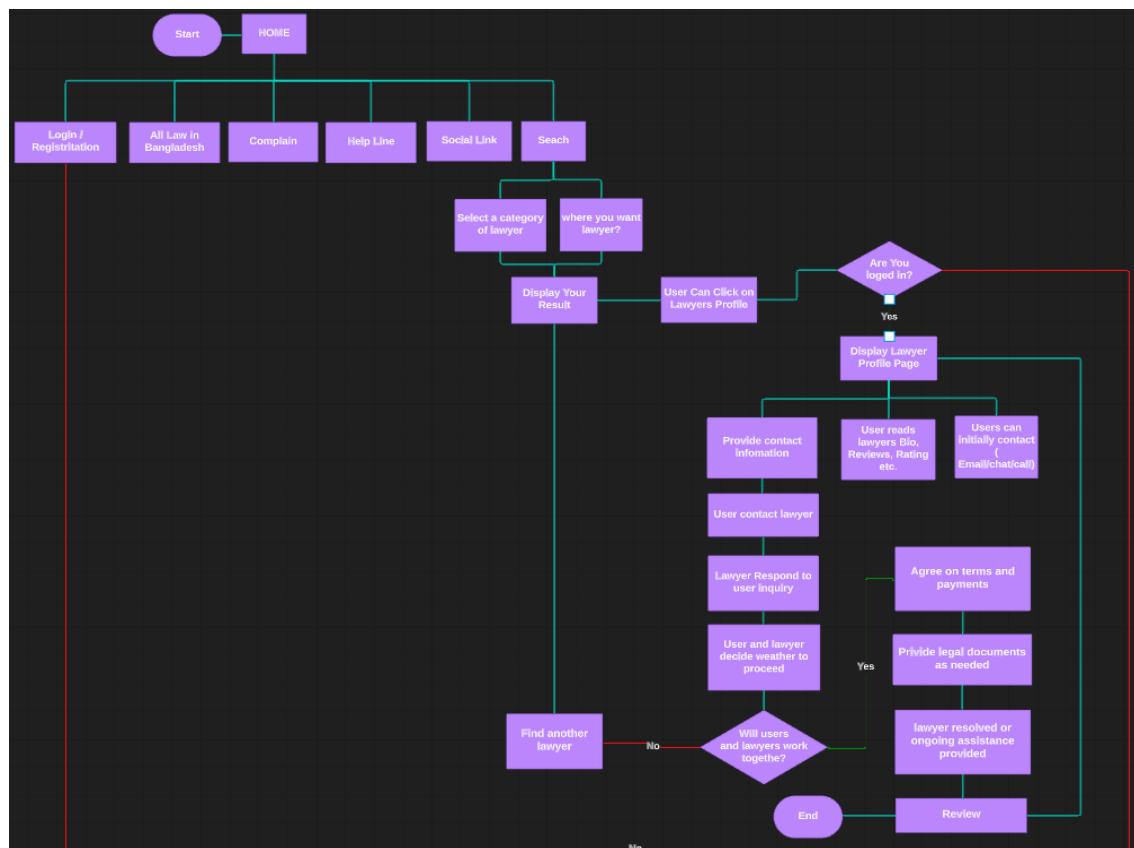


Figure 3.1.1: BPM Diagram of “Find My Lawyer”

3.2 Requirement Collection and Analysis

Requirement collection and analysis is a crucial step in the development of any system, involving the gathering and evaluation of stakeholders' needs, expectations, and constraints. This process ensures that the system is designed to effectively address the identified requirements. Here's a brief overview of the process:

Useful Prerequisite: Key features and capabilities of a system that address stakeholders' needs and expectations, such as finding lawyer, lawyer assignment, and communication each other.

Non Functional Prerequisite: System characteristics and constraints that impact user experience and performance, such as usability, scalability, security, and cross-platform compatibility.

3.3 Use Case Modeling and Description

Find My Lawyer is a PHP web application aimed at finding a lawyer from home, authenticating lawyers, communicating with each other, alerting users to any issues, etc. This web application is making users find lawyers from home, which is very difficult work for normal people.

A use case diagram provides an overview of the interactions between different actors (users and lawyers) and the various use cases in this system. Here's a simplified use case diagram for your "Find My Lawyer" project:

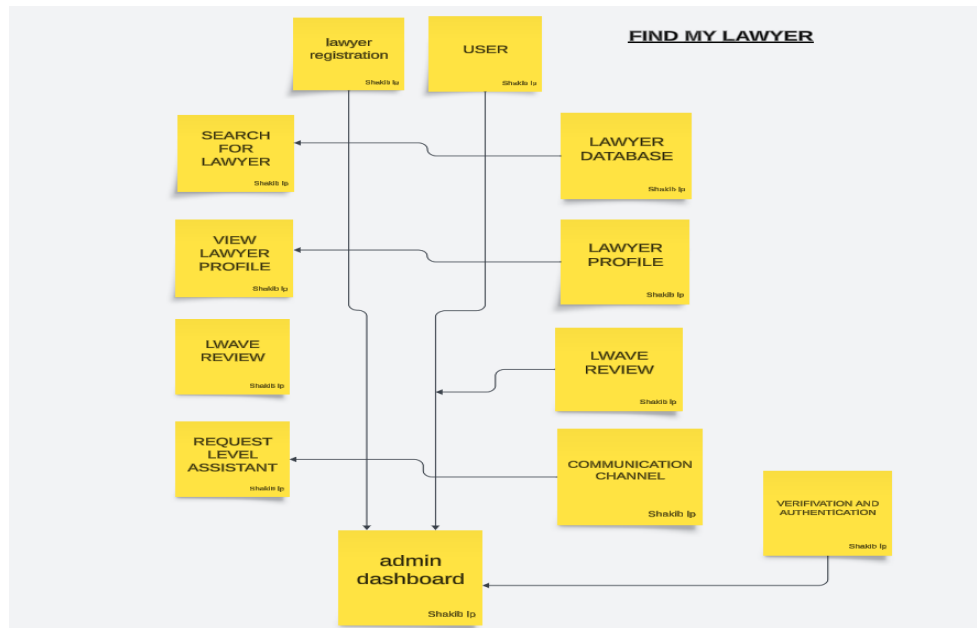


Figure 3.3: Use Case Diagram of Find My Lawyer

Description is given below-

Table 3.3: Description of use case modelling named “Find My Lawyer”

Use Case ID	Use Case Name	Actors	Description	Pre Condition	Post Condition	Normal Flow	Exceptions
UC1	Search for Lawyers	User	Users search and filter lawyers based on criteria such as location and specialization.	1. User is logged in and on the platform.	List of lawyers matching the criteria is displayed	1. User enters search criteria. 2. System retrieves matching lawyers. 3. System displays a list of matching lawyer	No matching lawyers found. System displays a message indicating no results. - Technical issues preventing search. System displays an error message

UC2	View Lawyer Profiles	User	Users view detailed profiles of lawyers, including experience and reviews.	1. User is logged in and on the platform.	Detailed profile of the selected lawyer is displayed.	User selects a lawyer. 2. System retrieves the lawyer's detailed profile. 3. System displays the lawyer's detailed profile.	Selected lawyer's profile is incomplete. System displays a message indicating incomplete information. - Technical issues preventing profile retrieval. System displays an error message.
UC3	Leave Reviews	User	Users leave reviews and ratings for lawyers based on their experiences.	User is logged in and has interacted with a lawyer.	User's review is submitted, and the overall rating is updated.	1. User selects a lawyer to leave a review for. 2. System displays the review form. 3. User submits the review form. 4. System updates the overall rating for the lawyer.	- User tries to leave a review without interacting with a lawyer. System displays a message indicating no interaction. - Technical issues preventing review submission. System displays an error message.

UC4	Request Legal Assistance	User	Users submit requests for legal assistance from the available lawyers.	User is logged in and on the platform.	Request is submitted, and relevant lawyers are notified.	<p>1. User selects the option to request legal assistance.</p> <p>2. System displays the request form.</p> <p>3. User fills out the request form.</p> <p>4. User submits the request form.</p> <p>5. System notifies relevant lawyers about the request.</p>	<p>- User submits an incomplete request form.</p> <p>System prompts the user to complete all required fields.</p> <p>- Technical issues preventing request submission.</p> <p>System displays an error message.</p>
UC5	Lawyer Registration	Lawyer	Legal professionals register on the platform, providing necessary information.	Lawyer is not registered on the platform.	Lawyer is successfully registered on the platform.	<p>1. Lawyer selects the option to register.</p> <p>2. System displays the registration form.</p> <p>3. Lawyer fills out the registration form.</p> <p>4. Lawyer submits the registration form.</p> <p>5. System verifies the information and registers the lawyer.</p>	<p>- Lawyer enters incomplete or invalid information.</p> <p>System prompts the lawyer to correct the information.</p> <p>- Technical issues preventing registration.</p> <p>System displays an error message.</p>

UC6	Verification & Authentication	System	System verifies the identity of users and authenticates their registrations.	User or lawyer has submitted registration information.	User or lawyer is successfully authenticated and logged in.	1. 1. User or lawyer submits registration information. 2. System verifies the information. 3. System authenticates the user or lawyer. 4. System logs in the authenticated user.	- User or lawyer submits incorrect credentials. System prompts the user or lawyer to enter valid information. - Technical issues preventing verification. System displays an error message.
UC7	Communication Channels	User, Lawyer	Users and lawyers communicate securely through the platform.	User or lawyer is logged in and has selected a communication option.	Secure communication is established between the user and lawyer.	1. User or lawyer selects the communication option. 2. System provides a secure messaging interface. 3. User or lawyer sends and receives messages.	- User or lawyer attempts to communicate without being logged in. System prompts the user or lawyer to log in. - Technical issues preventing communication. System displays an error message.

UC8	Admin Dashboard	Admin	Administrative user oversees the platform, manages registrations, and accesses the admin dashboard.	Admin is logged in and has administrative privileges.	Admin accesses the admin dashboard.	<ol style="list-style-type: none"> Admin logs in with administrative credentials. System verifies the credentials. System grants access to the admin dashboard. 	<ul style="list-style-type: none"> - Admin enters incorrect administrative credentials. System prompts the admin to enter valid information. - Technical issues preventing access to the admin dashboard. System displays an error message.
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3.4 Logical Data Model

The entity-relationship diagram (ERD) for the finding lawyer system captures the key entities and their relationships within the application. The main entities include lawyer, user, review, communication, and legal request. The ER chart of our framework is given underneath:

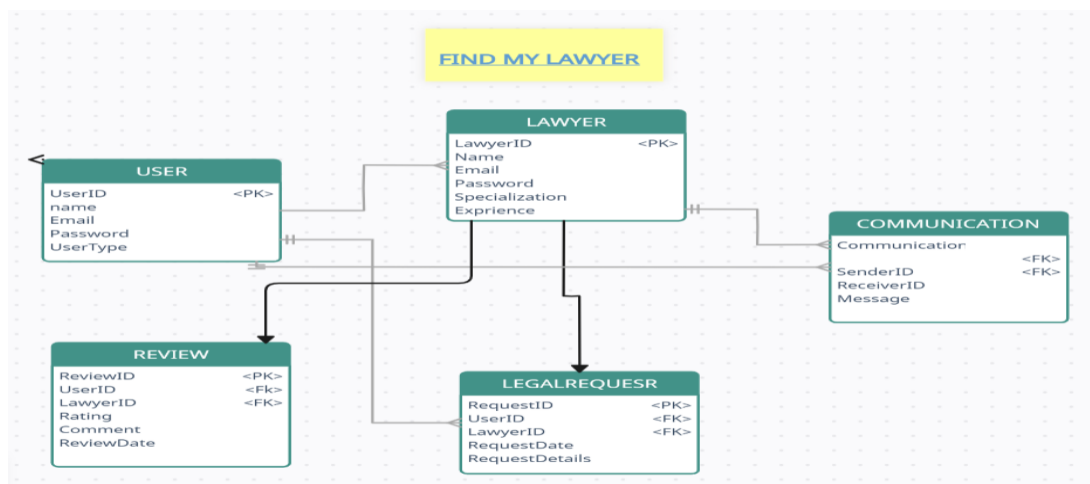


Figure 3.4: ER Diagram of "Find My Lawyer"

Relationship table of ER diagram of “Find My Lawyer” is given below-

Table 3.4: Relationship table of ER diagram of “Find My Lawyer”

Relationship	Entities Involved	Cardinality	Description
User-Lawyer	User, Lawyer	1:M	One User can leave multiple reviews. One Lawyer can receive multiple reviews.
User-LegalRequest	User, LegalRequest	1:M	One User can make multiple legal assistance requests. One Lawyer can receive multiple legal assistance requests.
User-Communication	User, Communication	1:M	One User can engage in multiple communications. One Lawyer can engage in multiple communications.
Lawyer-Communication	Lawyer, Communication	1:M	One Lawyer can engage in multiple communications. One User can engage in multiple communications.

3.1 Design Requirement

We are creating a finding lawyer. A system that automates easy-to-find lawyers, lawyer assignments, and communication with lawyers while providing an intuitive interface, a secure environment, and compatibility across various devices and platforms works.

Proficient: Easy to find lawyer System from home, including system knowledge, stakeholder communication, data analysis, and troubleshooting, and day by day this work will be easy.

User-Friendly: The Find My Lawyer website is very easy to use. Anyone can use and communicate with a lawyer. This is a very user-friendly and stable design. We are keeping all interfaces of website in a very simple way.

CHAPTER 4 DESIGN SPECIFICATION

We are planning for our website, Find My Lawyer. We make an effort to mention both the front-end and back-end plans of the site in the plan determination. We will discuss all the tools and infrastructure that were implemented on my website.

4.1 Front-end Design

The front end is directly connected to the user. We are designing this website to be user-friendly, so it will give the best performance for any user. We use HTML, CSS, JavaScript, Bootstrap, etc. for front end design. We use HTML for structure, CSS and Bootstrap for design and animation, and JavaScript for small animations or small complex work.

HTML: Hypertext Mark - Up Language

HTML stands for hypertext markup language. Websites are created with HTML, which is very common. We can say that HTML is the structure of a body, so this is the structure of a website.

CSS: Cascading Style Sheet

CSS is for styling all content. We can style everything in HTML. Font size, text color, background color, alignment, padding, margin, etc. are done with CSS.

JavaScript

JavaScript is a versatile scripting language crucial for front-end development. Employed alongside HTML and CSS, it enhances interactivity and dynamic content in web applications. As a client-side language, JavaScript enables real-time updates, form validation, and responsive interfaces. Its event-driven nature empowers developers to create interactive, user-friendly experiences, making it an integral part of modern web development. JavaScript runs directly in the user's browser, reducing server load and ensuring swift, seamless user interactions. With frameworks like React and libraries like jQuery, JavaScript remains a cornerstone for crafting engaging and dynamic front-end experiences on the web.

Bootstrap CSS

Bootstrap, a front-end framework, simplifies web development with pre-designed components and responsive layouts. By integrating HTML, CSS, and JavaScript, it streamlines the creation of visually appealing and mobile-friendly websites. Bootstrap's grid system and extensive styling options accelerate the development process, ensuring consistent design and functionality across various devices, making it an essential tool for efficient front-end development.

MySQL DB

MongoDB short description MongoDB is a widely-used NoSQL database that offers a flexible and scalable solution for data storage and management. Key features of MongoDB include its ability to handle large-scale data, high-performance read and write operations, horizontal scaling via sharding, and built-in replication for high availability. With its ease of integration with various programming languages and web development frameworks, MongoDB is a popular choice for developers building modern, dynamic, and data-driven applications.

4.2 Back-end Design

MySQL is a robust relational database management system widely used for backend data storage in web applications. It efficiently organizes and retrieves data through structured query language (SQL). As an open-source solution, MySQL offers scalability and flexibility, making it suitable for various projects. It supports ACID properties, ensuring data integrity, and its compatibility with multiple programming languages facilitates seamless integration into diverse software ecosystems, contributing to its popularity in backend development.

4.3 Interaction Design and UX

Find My Lawyer prioritizes user-centric design with an intuitive interface, a clear information architecture, and robust search functionalities. Transparent lawyer profiles, efficient communication channels, and a commitment to accessibility ensure a seamless and trustworthy experience, fostering user satisfaction and engagement.

4.3.1 General Project's Site

For general users-

1. Web-based finding lawyer platform built with PHP.
2. Find a lawyer in any division the user wants.
3. The user can review a lawyer whom he or she consults with our website.
4. The user can register with very secure authentication with OTP, which is secure.
5. The user can change all information after login their profile.
6. The user can give feedback to our self for improve anything.
7. Supports digital transformation and automation of finding management system.
8. Increases overall efficiency and productivity of lawyer committees

4.3.2 Database Controller

1. Manages database connections and operations for the application
2. Ensures secure and efficient data storage and retrieval
3. Supports CRUD (Create, Read, Update, and Delete) operations for all entities (lawyer committee members, user's information, suggestion box, OTP, etc.)
4. Handles data consistency and integrity across the system
5. Facilitates real-time updates and synchronization of data in the web application
6. Implements appropriate indexing and optimization strategies for fast query execution
7. Provides data validation and error handling during database operations
8. Ensures data privacy, security, and access control for sensitive information
9. Integrates with the backend server to support seamless data flow within the application
10. Enables scalability and extensibility for future growth and additional features.

4.3.3 UX

Crafting the UX for "Find My Lawyer" revolves around user-centric design. Begin with an intuitive homepage, guiding users through a seamless 8-step process. Implement robust search and filtering features for lawyer discovery, transparent profiles, and user reviews for informed decisions. Prioritize responsive design for various devices, incorporating tooltips for onboarding and guidance. Facilitate efficient communication channels, ensuring accessibility and inclusivity. Constantly iterate based on user feedback, fostering a trustworthy and empowering experience for both clients and legal professionals in the realm of legal assistance.

4.4 Implementation Requirements

Numerous needs must be met for our mission to be successful. We used a Mongoose system with MySQL DB as the stage to manage and control the database. Our database management system MySQL DB server. We are building a new document class or new database using MySQL DB. By using the database controller, we can manipulate and retrieve data with ease.

4.5 Software Requirements

We need software for building and controlling the project.

1. Visual Studio Code (for writing codes)
2. MySQL DB (for database and for online web server for testing and deployment)
Browsers like Chrome (For checking the interface and testing).

CHAPTER 5

IMPLEMENTATION AND TESTING

5.1 Implementation of Database

MySQL is a popular SQL database that offers flexibility, scalability, and high performance for storing and managing data. In the context of a project, a MySQL backend server would be responsible for handling data storage and retrieval, providing a robust and efficient solution for managing the application's data.

5.2 Implementation of Front-End Design

The implementation of the front-end design for the Finding lawyer System focuses on creating an intuitive and visually appealing user interface that streamlines the process of managing exams. Built using js, a powerful web application framework, the front-end design emphasizes usability, responsiveness, and real-time interactions.

5.3 Pages

All the necessary pages of this project will be included in this section.

5.3.1 Landing Page

If anyone wants to access the system then he/she must go through the landing page.

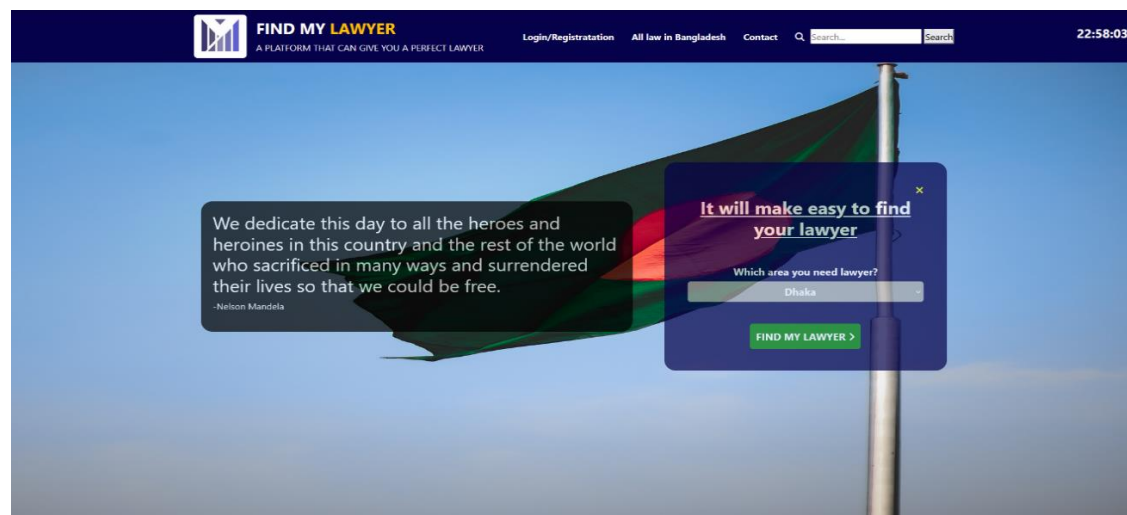


Figure 5.3.1: Landing page of “Find My Lawyer”

5.3.2 Authentication

This is the authentication page where user/lawyer can login here with their email. The process is OTP authentication process.

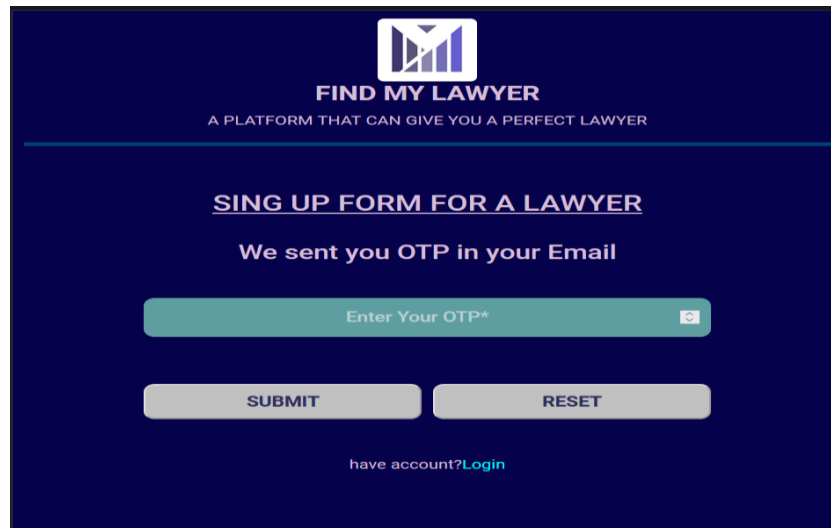


Figure5.3.2: Authentication Page of “Find My Lawyer”

5.3.3 Login

In this section we can login as a lawyer or user. And there is very strong authentication with PHP and MySQL.

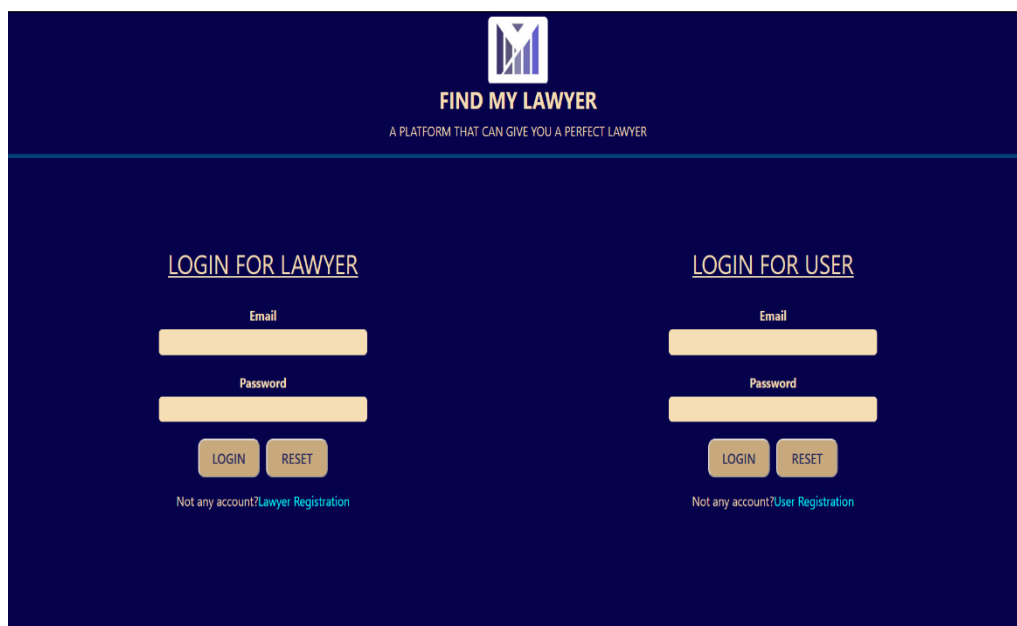


Figure5.3.3: Login Page of “Find My Lawyer”

5.3.4 Lawyer

In this section user can add the course via the course codes, course title, semester, shifts.

5.3.4.1 Lawyer Registration

In this section lawyer can register for login to this website.

SING UP FORM FOR A LAWYER

Full Name* Phone/Social links(if any) Title (Attorney/ advocate/barrister)*

Speciality (Tax law, Divorce etc.)* Dhaka About your experience?*

Bio* Consultation time (4pm-5pm)* For one consultation fee (If any)

Password (Minimum 6 digit) Educational information(study institute etc.) Certificate* No file selected.

Photo No file selected. Gender* Male Female Trans

Accept all rights*

[have account? login](#)

Figure5.3.4.1: Registration Page of “Find My Lawyer”

5.3.4.2 Lawyer Profile

In this section lawyer can come after registration and login then he/she can change data, fix time, conference with client etc.

FIND MY LAWYER
A PLATFORM THAT CAN GIVE YOU A PERFECT LAWYER

Logout Request All law in Bangladesh Contact

Barrister Miti Sanjana
Dhaka

Generate Conference info for consultation

Study Information: Advocate, Supreme Court of Bangladesh. Member, Bangladesh Bar Council, Dhaka Bar Association & Supreme Court Bar Association. Called to the Bar (Barrister-at-Law) from the Honourable Society of Lincoln's Inn, London, UK. Post-Graduate Diploma in Law (PGDL) awarded by the Inns of Courts School of Law (ICSL), London, UK. LL.B (Hons.), University of London, UK. Member – Bangladesh Bar Council Dhaka Bar Association. Supreme Court Bar Association.

Practise Location: Dhaka

Practise Area: Company and Banking Law Family Law Labour & Employment Law Property Law Rights and gender-based Law Information and Communication Technology (ICT) Law

Experiences: Barrister Miti Sanjana has started her legal career as an intern in one of the most renowned law firms in Bangladesh, Dr. Kamal Hossain & Associates immediately after completing her graduation. Upon completion of her Bar from the Honourable Society of Lincoln's Inn, UK, in 2006 she joined as a Junior Associate at Hasan & Associates, the largest corporate law firm of that time. She has gained experience in Banking Law, Company Law, Contract Law, Negotiation etc. with the exposure to a number of local and international clients of the chambers. In early 2008, Barrister Sanjana joined Orascom Telecom Ltd. (Banglalink) as an in-house counsel. She developed her experience in Telecommunication and ICT Laws, regulatory and other compliance issues. She developed her skills in drafting and negotiating various commercial agreements. She was also involved with legal matters including data privacy, real estate, employment and various forms of corporate litigations and Writs. Later that year, Barrister Sanjana joined BRAC Bank Limited, one of the leading private banks of Bangladesh as the Head of Legal and Risk Management Department for a brief period. In early 2009, she left BRAC Bank Limited and established Legal Counsel as a sole proprietor. Thereafter, the head of chambers, Barrister Omar Khan joined and created a partnership in relation to the Chambers. Legal Counsel now represents more than 500 clients from 30 countries from different parts of the globe. Barrister Sanjana is currently also a board member of Bangladesh-India Business Council of WICCI. Miti Sanjana is also an Associate Director of Institute of Conflict, Law and Development Studies. This organization acts as a platform to discuss peace and security issues in Bangladesh. In particular, it aims to improve the connections between policymakers and community members in order to ensure that laws work to protect the population's rights.

Figure5.3.4.2: Lawyer Profile Page of “Find My Lawyer”

5.3.4.3 Lawyer Edit

In this section lawyer can come and edit his personal information.

FIND MY LAWYER
A PLATFORM THAT CAN GIVE YOU A PERFECT LAWYER

Logout All law in Bangladesh Contact

Lawyer Name*
Barrister Miti Sanjana

Lawyer Title*
Barrister

Location*
Barisal

lawyer Image: Browse... No file selected.

Update

Contact information

Figure5.3.4.3: Lawyer Edit Page of “Find My Lawyer”

Study Information
Advocate, Supreme Court of Bangladesh. Member, Bangladesh Bar Council, Dhaka Bar Association & Supreme Court Bar Association. Called to the Bar (Barrister-at-Law) from the Honourable Society of Lincoln's Inn, London, UK. Post-Graduate Diploma in Law (PGDL) awarded by the Inns of Courts School of Law (ICSL), London, UK. LLB (Hons.)

Speciality Area*
Company and Banking Law Family Law Labour & Employment Law Property Law Rights and gender-based Law Information and Communication Technology (ICT) Law

About Experience*
Barrister Miti Sanjana has started her legal career as an intern in one of the most renowned law firms in Bangladesh, Dr. Kamal Hossain & Associates immediately after completing her graduation. Upon completion of her Bar from the Hon'ble Society of Lincoln's Inn, UK, in 2006 she joined as a Junior Associate at Hasan & Associates, the largest corporate law

Lawyer Bio*
Barrister Miti Sanjana is a founding partner of Legal Counsel. She is also a columnist and an eminent media personality. She is a soft-spoken admirable Person. She has come from a highly cultural oriented family and developed her personal values accordingly. She has been highly applauded by her clients for her timely legal services with excellence. While her

Consultation Time*
9pm-5pm

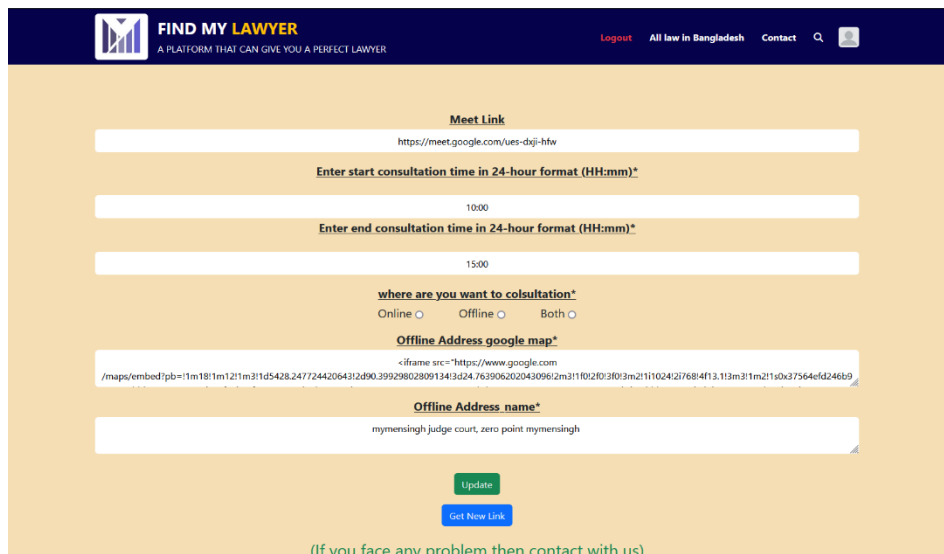
Fee
00 tk

Lawyer Social link

Figure5.3.4.3: Lawyer Profile Edit of “Find My Lawyer”

5.3.4.4 Lawyer Conference

In this section lawyer can communicate with client and discuss about all problem and give solution.



The screenshot shows a web form titled "Lawyer Conference" on the "FIND MY LAWYER" platform. The form is set against a light orange background. It includes the following fields and options:

- Meet Link:** A text input field containing the URL "https://meet.google.com/ues-dsj-hhw".
- Enter start consultation time in 24-hour format (HH:mm)*:** A text input field containing "10:00".
- Enter end consultation time in 24-hour format (HH:mm)*:** A text input field containing "15:00".
- where are you want to colulation*:** Radio button options for "Online", "Offline", and "Both".
- Offline Address google map*:** A text area containing a Google Maps embed code.
- Offline Address name*:** A text input field containing "mymensingh judge court, zero point mymensingh".
- Buttons:** A green "Update" button and a blue "Get New Link" button.
- Footer:** A note "(If you face anv problem then contact with us)".

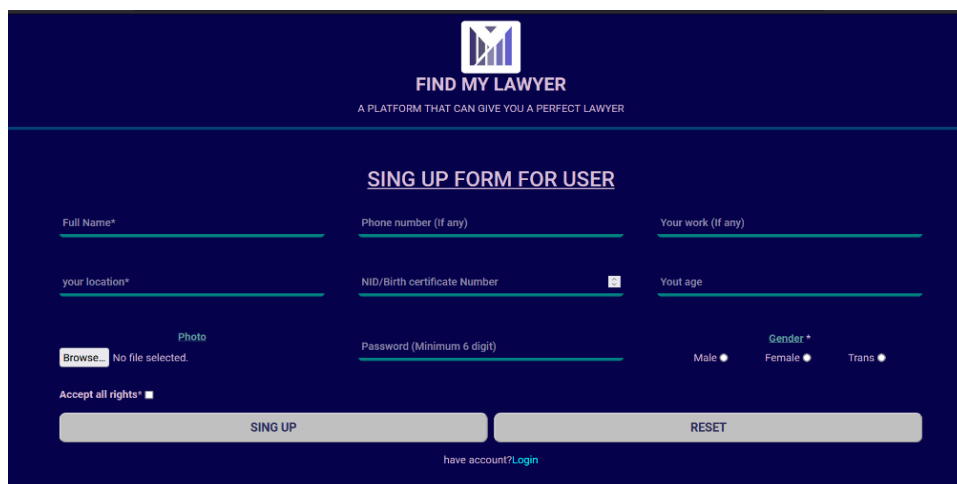
Figure5.3.4.4: Lawyer Conference of “Find My Lawyer”

5.3.5 User

In this section of Find My Lawyer, we will discuss about user where lawyer list, personal information, communicate with lawyer etc. will be analyses.

5.3.5.1 User Registration

In this section user can registration to communicate with lawyer from Find My Lawyer.



The screenshot shows the "SING UP FORM FOR USER" on the "FIND MY LAWYER" platform. The form is set against a dark blue background with white text. It includes the following fields and options:

- Full Name*:** A text input field.
- Phone number (if any):** A text input field.
- Your work (if any):** A text input field.
- your location*:** A text input field.
- NID/Birth certificate Number:** A text input field with a small icon to its right.
- Yout age:** A text input field.
- Photo:** A "Browse" button with the text "No file selected."
- Password (Minimum 6 digit):** A text input field.
- Gender*:** Radio button options for "Male", "Female", and "Trans".
- Accept all rights*:** A checkbox.
- Buttons:** A grey "SING UP" button and a grey "RESET" button.
- Footer:** A link "have account? Login".

Figure5.3.5.1: User Registration of “Find My Lawyer”

5.3.5.2 Lawyer list for user

In this section user can see all select location and see all lawyer which is needed for him/her. User can select anyone and see all details.



Figure5.3.5.2: Lawyer list for User of “Find My Lawyer”

5.3.5.3 User Choose lawyer

In this section user can choose lawyer whom he/she want and see all details about lawyer such as review, experience, specialty, offline available or online available, educational status etc. user can pay and communication them and get a good solution. Many lawyer don't get pay sot consult then user can get discuss with them without fee. User can give documents if he/she wants.

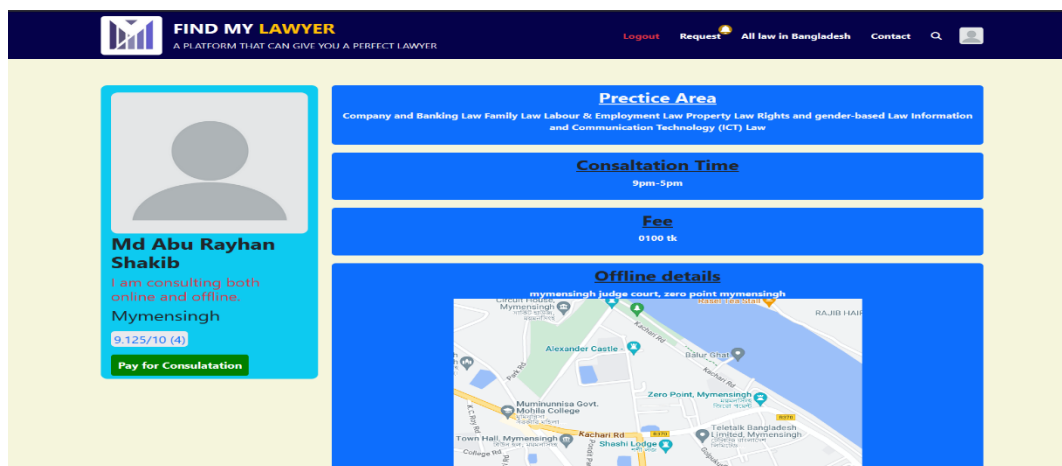


Figure5.3.5.3: Lawyer Profile for user view of “Find My Lawyer”

5.3.5.4 User Profile

In this section user can see her/his profile which is personal information.

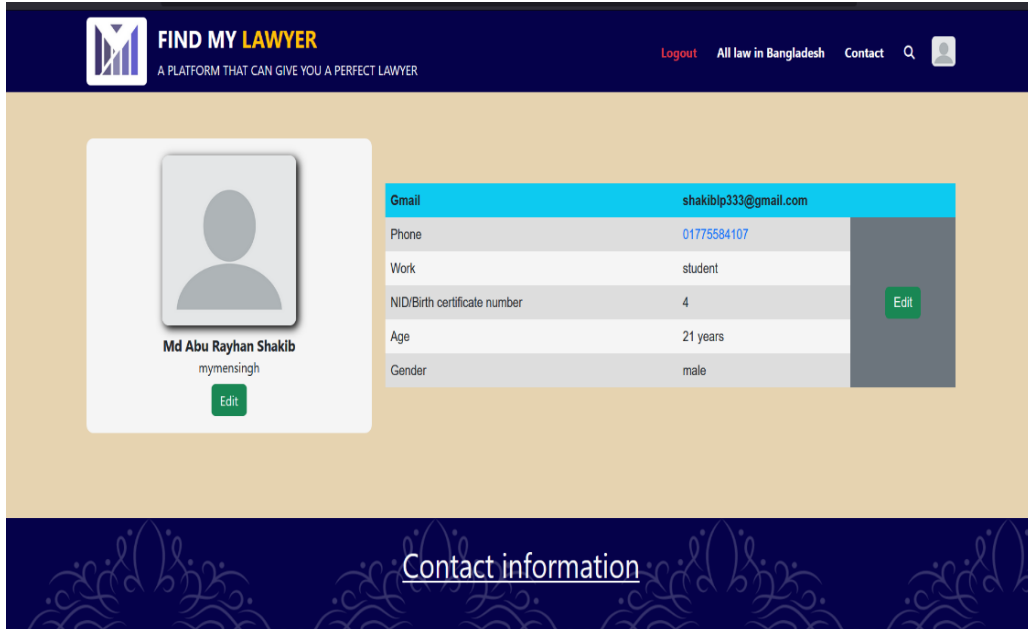


Figure5.3.5.4: User Profile of “Find My Lawyer”

5.3.5.5 User Edit

In this section user can edit his/her personal information.

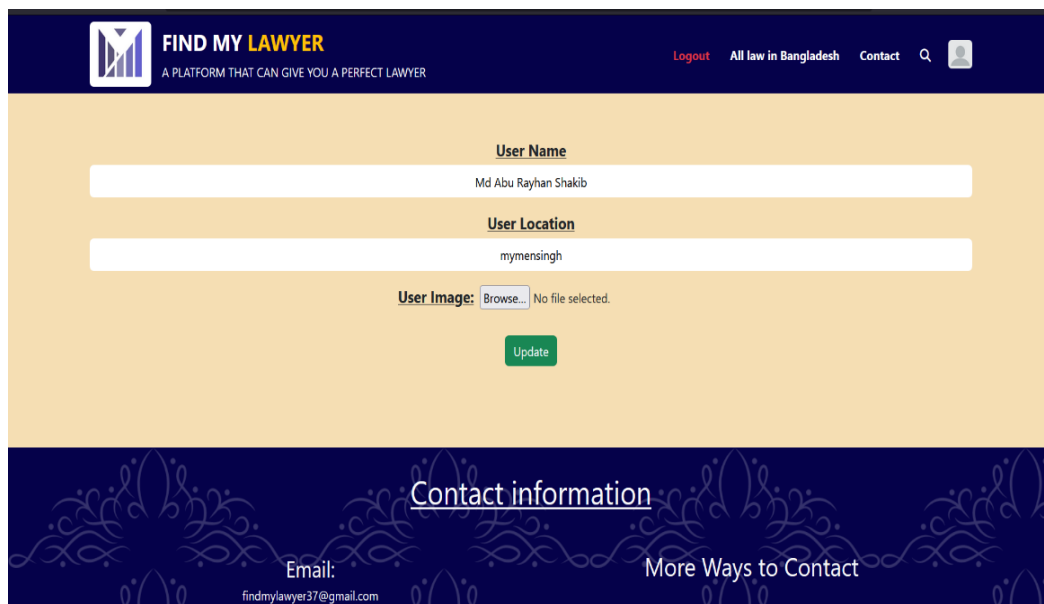


Figure5.3.5.5: User Edit Information of “Find My Lawyer”

FIND MY LAWYER
A PLATFORM THAT CAN GIVE YOU A PERFECT LAWYER

Logout All law in Bangladesh Contact

Phone
01775584107

User Work
student

User NID/Birth Number
455643356

User Age
21 years

User Gender
male

Update

Figure5.3.5.5: User Edit Information of “Find My Lawyer”

5.3.6 User Edit

In this section user or lawyer can share his own feedback with us.

Suggestion box

Name

Email

Write your suggestion for us

Submit

Contact information

Figure5.3.6: User Edit Information of “Find My Lawyer”

5.4 Testing Implementation

The "Find My Lawyer" project implementation involves rigorous testing across various dimensions. Unit tests scrutinize backend logic, database operations, and security measures. Integration testing validates API endpoints, database interactions, and external service integrations. UI testing ensures cross-browser compatibility, responsiveness, and smooth user interactions. UX testing incorporates usability and accessibility assessments, seeking feedback for a user-friendly experience. Performance testing evaluates load and speed capabilities. Security testing involves vulnerability scans and scrutiny of authentication mechanisms. Deployment testing guarantees a seamless deployment process and effective rollback options. User acceptance testing, including beta releases and user feedback, guides continual refinement for a robust and user-centric legal services platform.

5.4.1 Testing Implementation

All page are check that are properly work such logo, menu, image etc. text interactive elements like sliders, button, forms etc. are check and all are properly work.

5.4.2 Navigation

Test all links for correctness and all are working which is ensured.

5.4.3 Forms

All forms validations and error messages are ensured that all are properly working in the website Find My Lawyer wed based system.

5.4.4 Search Functionality

Test search feature with different quires for accurate result and that is really show all accrues results.

5.4.5 Compatibility Testing

All browser are not same, so we are check our website in all browser and get very good performance but chrome is little bit bad for user interface. there is changing

5.4.6 Performance Testing

Test page load time and ensure server response time is acceptable. So, we see that time is quite good for our website. We measurement with google page Speed insights.

5.4.7 User interface (UI)

Test consistency and layout across all pages and test accessibility using tools WAVA or axe.

5.4.8 Mobile Responsiveness

Test on various mobile devices to ensure a seamless experience.

5.4.9 User Acceptance Testing

Have real users test the website for usability and provide feedback.

5.4.10 Monitoring

We are set up tools for continuous monitoring of performance and security.

5.4.11 Documentation

Update user and developer documentation to reflect changes up to date day by day.

5.4.12 Regression Testing

Perform regression testing after implementing fixes or updates. .

CHAPTER 6

CONCLUSION AND FUTURE SCOPE

6.1 Discussion and Conclusion

The development of "Find My Lawyer" is a testament to leveraging PHP and MySQL to address critical challenges in legal service accessibility. Robust user-centric design, intuitive search functionalities, and transparent lawyer profiles are powered by MySQL's efficient data organization, while PHP's dynamic scripting enhances user interactions, especially in authentic review processes. Challenges like data accuracy and privacy are effectively addressed through PHP-driven verification processes. The platform emerges as a comprehensive solution, fostering trust, empowering users with legal knowledge, and ensuring continuous improvement through ongoing feedback mechanisms. As the project advances, the commitment to user feedback and staying abreast of legal landscapes, facilitated by MySQL's scalability and PHP's versatility, will be pivotal for sustained success in enhancing the accessibility and effectiveness of legal assistance.

6.2 Scope for Further Developments

The scope for further developments in the "Find My Lawyer" project is expansive, allowing for continuous enhancement and adaptation to emerging trends. Potential areas for future development include:

1. **Expanded Geographic Coverage:** Extend the platform's reach to encompass a broader geographic area, facilitating access to legal professionals in various regions and jurisdictions.
2. **Enhanced Matching Algorithms:** Continuously refine and optimize the matching algorithms to improve precision and relevance in connecting users with lawyers based on evolving user preferences.
3. **Integration of Legal Tech Innovations:** Embrace emerging legal technologies, such as AI-powered legal assistants, block chain for secure document management, or virtual law firms, to stay at the forefront of the legal tech landscape.

4. **Mobile Application Development:** Create a dedicated mobile application to enhance the user experience on smartphones, providing on-the-go access and additional functionalities tailored to mobile users.
5. **Analytical Insights and Reporting:** Develop advanced analytics tools to provide legal professionals with insights into user behavior, helping them tailor their services and enhance client engagement.
6. **Partnerships with Legal Tech Startups:** Collaborate with emerging legal tech startups to incorporate innovative solutions and stay at the forefront of technological advancements in the legal industry.
7. **Block chain for Legal Contracts:** Explore the use of block chain technology for secure and transparent management of legal contracts, ensuring the integrity and authenticity of legal documents.

Continuous research, user feedback, and staying attuned to the evolving landscape of legal technology will guide these future developments, ensuring that "Find My Lawyer" remains a dynamic and cutting-edge platform in the legal services domain.

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Appendix

Name		Description
HTML		Hypertext Markup Language.HTML is a
		standard language for creating any web
		Pages or web based application.
CSS		Cascading Style Sheet.CSS is used for
		designing purposes of any web based
		Application.
PHP		Hypertext preprocessor is server side
		Scripting language. PHP used as a
		Programming purpose.
JavaScript		JavaScript is a programming
		Language. Mainly it is used for web
		Development.
Bootstrap CSS		Bootstrap is the foremost prevalent CSS
		System for creating responsive and
		Mobile-first websites. Bootstrap 5 is the
		Most current form of Bootstrap.

Report

ORIGINALITY REPORT

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PUBLICATIONS

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Student Paper

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