1. Introduction:

1.1. Purpose:

The goal of this project is to provide an online platform that simplifies the process of accessing legal information and finding experienced lawyers. It aims to not only assist users in easily searching for legal professionals but also facilitate appointment scheduling between clients and lawyers.

1.2. Document Conventions:

Headings	Times New Roman/18 font size/Bold/Underlined
Sub Headings	Times New Roman/14 font size

1.3. Intended Audience and Reading Suggestions:

This document is intended for:

- Project Team: This includes members directly involved in the creation and implementation of the project.
- End Users: Individuals who will use this platform, such as clients seeking legal advice or lawyers accessing the system.

1.4. Product Scope:

- Main Features:

● User Registration: Allows users to create accounts and log in to the system.
● Lawyer Profiles: Displays information about lawyers, such as specialization, experience, and customer ratings.
● Lawyer Search: Allows users to search for lawyers based on criteria such as location, legal expertise, and ratings.
● Appointment Booking with Lawyers: Provides a service for scheduling appointments between clients and lawyers.
● Interaction through the System: Allows messaging and document sharing between clients and lawyers.

- User Interface:

● Home Page: Displays an overview of Web Law Connect and its main features.
● Lawyer Search Page: Enables users to search and view a list of lawyers.
● Lawyer Profile Page: Displays detailed information about individual lawyers.
● Appointment Booking Page: Allows clients to select appointments with lawyers.

1.5. References:

Software Engineering course slides provided by lecturers.

2. Project Schedule:

Phase	Timelines	Description of deliverable
Elaboration	March 5 - March 11, 2024	Project Team setup

Construction Phase 1	March 12 - March 29, 2024	- Documents:
		   ● Software Requirements Specification
		   ● Framework report
		   ● Plan Document
		- Plan, Framework, Requirements Review

Construction Phase 2	April 1 - April 26, 2024	- Documents:
		   ● System Design
		   ● Implementation Plan
		- Design database
		- Design user, admin interface
		- Develop client interface components
		- Develop admin interface components
		- Develop server infrastructure

Construction Phase 3	April 27 - May 5, 2024	- Perform usability testing and evaluation - Deliver refined implementation
Deployment	May 6 - May 13, 2024	- Refine code - Verification and validation - Evaluation Report

To have a clear view of the Gantt chart, please visit the following link:
https://docs.google.com/spreadsheets/d/1H-kOphCKOTcLVfGYkbmArRa20aEPretPNpHlinIH85c/edit?usp=sharing

3. Resource Allocation:

3.1. Software
- Development tools: Assigned to the development team
- Specific programs: Assigned to the development team

3.2. Hardware
- Backup and Recovery System: Managed by the leader.

3.3. People
There are five people in the project team:
- Hoang Duc Duong: (Frontend) Dev, Tracker.
- Ha Tien Dong: (Frontend) Dev
- Bui Thi Huyen Tam: (Frontend) Dev
- Dao Thi Binh An: (Backend) Dev
- Hoang Duy Hung: (Backend) Dev

3.4. Materials
- Data sets: Acquired by the project team through online research

4. Task Breakdown and Roles:

Frontend team:

Task Description	Assigned To	Estimated Time
Design user interface	Hoang Duc Duong	3 days
Design admin interface	Ha Tien Dong	3 days
Develop UI components	Hoang Duc Duong	1 week
Develop admin interface comps	Ha Tien Dong	1 week
Perform unit testing	Frontend team	2 days

Backend team:

Task Description	Assigned To	Estimated Time
Design database structure	Dao Thi Binh An	5 days
Data collection		3 days
Data model design		5 days
Controller design		5 days
Routing design		5 days
Setup server & deploy backend code		5 days
Perform unit testing	Backend team	2 days

Project team (both backend and frontend):

Task Description	Assigned To	Estimated Time
Collaborate for API integration		5 days
Implement search functionality		4 days
Implement registration, login and view profile functionality.		4 days
Implement managing appointment functionality		4 days
Implement in-app chatting functionality		4 days

Implement managing user functionality		3 days
Perform usability testing		3 days
Validation		3 days

5. Communication Plan:

Target audience	Information	Frequency	Channel	Goal
Project team	Project status and update	Weekly on a Tuesday	Video conference	Ensure each member is aware of their role
Project team	Task progress updates	Daily	Github	Share daily progress made on project tasks
Project team	Project review	At milestones	Physical meeting	Present project deliverables and discuss next steps
Depends on issue	Escalation meeting	Ad hoc	Video conference	Alignment, resolve issues

6. Risk Assessment and Mitigation Strategies

Risk	Impact	Likelihood	Mitigation Strategy
Security and Privacy	High - The platform involves the exchange of sensitive legal information and personal data. Violation of information security and privacy can result in legal problems.	Medium - The increasing prevalence of cyber threats and data breaches poses a potential risk.	- Issues such as proper authentication will need to be addressed as will adequate user training. - Access to the platform will be restricted by password authentication. - Conduct regular security audits and vulnerability assessments to identify and address potential weaknesses in the platform. - Regularly communicate security updates and reminders to users
Legal and Regulatory Compliance	High - Non-compliance with legal and regulatory demands high costs to rectify and affects the ability to collaborate with business partners.	Medium - The legal landscape and regulations surrounding online legal services may evolve or vary across jurisdictions.	- Users can search for lawyers based on location. There is a requirement for confirmation to ensure that users select the correct location. - Stay updated on relevant laws and regulations pertaining to online legal services, data privacy, consumer protection, and intellectual property rights. - Establish clear user agreements and terms of service outlining the rights, responsibilities, and limitations of both users and legal professionals.
Technology	Medium -	Medium - As user	- Continuously monitor system

| Infrastructure and Scalability | Inadequate technology infrastructure or scalability issues can impede platform performance, user experience, and growth potential. | demand increases or new features are introduced, the platform's infrastructure may face challenges. | performance and user feedback to identify areas for improvement and implement necessary optimizations. - Regularly back up critical data and implement redundancy measures to ensure data integrity and availability. |

7. Review and Approval

The project plan has been reviewed and approved by the project members.