



Daffodil
International
University

Project Title: Lawyer Appointment System

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LETTER OF APPROVAL /ACCEPTANCE

This Project titled “**Lawyer Appointment System,**” submitted by **Md Zahid Hasan Shaikat** ID No: 142-35-678 to the Department of Software Engineering, Daffodil International University has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of B.Sc. in Software Engineering and approved as to its style and contents.

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DECLARATION

I hereby declare that, this project has been done by me under the supervision of **Ms. Prianka Mandal, Lecturer, and Department of SWE** Daffodil International University. I also declare that neither this project nor any part of this project has been submitted elsewhere for award of any degree or diploma.

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ABSTRACT

Lawyer Appointment System are used widely in any situation where any one need to contact with lawyer. And the lawyer also manage their daily schedule and clients query. This project's perspective, I would have given a name and that's "**Lawyer appointment system**". Using this application client can view the lawyer profile, search lawyer, view lawyer schedule, send appointment request, send message to lawyer and lawyer can reply client message.

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1 INTRODUCTION

In Our Country, we saw that sometimes common people are expenditure lots of money to get appointment of a lawyer. And lawyers are so busy. They have not so much time. Sometime they forget about when s/he give permission to the clients what is the case. That's why the clients are suffer a lots. So, I want to solve this problem where lawyer and clients can easily communicate.

Lawyer Appointment system is going to be used in any situation where a clients can easily send request to the lawyer to get permission for meeting, and a lawyer can reply to his. And a lawyer also can maintain his/her counseling hour and also maintain their time schedule. Though this they can give permission to a clients for consult. And anyone can see which lawyer is specialist in which department. Anyone can search lawyer profile.

1.1 OBJECTIVES

- Easy to communication with lawyer.
- Clients can easily explain their problem.
- Lawyers can manage their daily schedule.
- Common people can know about laws.
- Clients can easily search lawyer and view lawyer's profile.

1.2 MOTIVATION

Now a days, everyone is so busy and lawyers are also so much busy. It is difficult to manage a lawyer schedule.

In client's side, common people cannot find a good lawyer. They don't know which lawyer is best in which department. And it is hard to regular contact with lawyer.

One of my friend want to contact with a lawyer but he don't know who is best. And after contact a lawyer it is difficult to communication regularly. Some time when went to lawyers office he saw that the lawyer is busy so he had to came back home.

So I think I have to build a system for them.

1.3 INTENDED AUDIENCE AND READING SUGGESTIONS

This document describes the project scope for software developers, users and testers to understand the basic system architecture. The reader types can be:

Clients: Basically, Lawyer appointment system is for lawyers and common people who need to contact with lawyer. The clients review the diagrams and specified requirements presented in the system to understand the system, if the software has all suitable requirements and if developers implement all features.

Developer: A developer must firstly read the documents to modify, update any valid or necessary requirements. Developers can easily understand the system scope, design pattern and logical design. This document will be helpful to make any little change on existing system.

1.4 PROBLEM IN EXISTING SYSTEM

In the present system the problems are:

- Communication with lawyer
- Manage lawyer schedule time
- Most of them don't know use a web application
- Find best lawyer according to problem.
- No use of Web Services and remote accessing.
- This requires a lot of time and effort.

1.5 SOLUTION TO THESE PROBLEMS

The development of a new system contains the following activities. And I have given this solution on my application.

- User friendly UI and application is provided.
- The Application makes the overall process much easier and flexible.
- It provides high level of security.
- Lawyer and client can communicate with each other easily.
- Search lawyer and send appointment request.
- Manage lawyer schedule.

2 SOFTWARE REQUIREMENTS SPECIFICATION

Requirements analysis or requirements engineering is the process of defining user expectations for a System or product. Requirements analysis is an important part of project management.

When I selected this project I thought about some specific Software requirement, like as...

- Who will use this system
- Is it their reliable or not?
- Functional & Non- functional requirements
- Maintenance of the system

2.1 FUNCTIONAL REQUIREMENT:

The functional requirements of the system are like below---

- **Login:** All user, lawyer, clients including admin must log in.
- **Registration:** Lawyer and client have to register first.
- **System Admin:** System Admin can approve lawyer registration and can view contact messages that send from application contact us page.
- **Manage lawyer schedule:** Lawyer can must manage his regular schedule.
- **View and send message:** Lawyer & Clients can send message and view received messages.
- **View Appointment Request:** Lawyer can view who, when and why send him appointment request.
- **Accept, Reject and reply request:** When a client send appointment request its status will be waiting. Lawyer can accept reject or reply on this request.
- **View Client Profile:** Lawyer can view his client's profile.
- **Search Lawyer:** anyone search lawyer by address, name and spatiality.
- **View lawyer profile:** Anyone can view lawyer profile and details.
- **View Request Status:** Client can view his request status. And he can delete his waiting and rejected request.

Data Validation

In this stage I have try to validate almost all input field

User Interface Design

It is important to consult the system users and their necessities while designing the user interface.

Error Message Design

The design of error messages is a vital part of the user interface design. I have try to give proper error message.

2.2NON – FUNCTIONAL REQUIREMENT:

The non-functional requirements are given below—

- **Security Issue:** Database Connection close: After data use, the database connection will close.
- **Data Insert:** Data will be inputted successfully.
- **Data Retrieve:** All data can be retrieve.
- **Upgrade Facility:** It must have upgrade data and system in next time.
- **Availability:** Availability of the Application information.
- **Maintainability:** Data will be maintainable.
- **Quality:** For quality of source code I will be write clean code.
- **User Interface:** Eye set able user interface for this Web Application.
- **Performance:** Performance of data speed will be fast.
- **Usability:** Nice data illustration.
- **Reliability:** Reliable of data.
- **Accuracy:** Data Representation.

2.3 STAKEHOLDERS

➤ Internal Stakeholder

✓ Administrator

➤ External Stakeholder

✓ Lawyers

✓ Clients

2.4 PROJECT SCHEDULE

In this stage in want to show my project Gantt chart.

ID	Task Name	Duration	Dec 2017			Jan 2018				Feb 2018				Mar 2018				Apr 2018			
			2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W	1W	2W	3W	4W
1.0	Project Management																				
1.1	- Project Initiation	10	100%																		
1.2	- Project Planning	7		100%																	
2.0	Analysis	17			100%																
3.0	Design	30				100%															
4.0	Implementation and Support	35						100%													
5.0	Testing	7																	100%		
6.0	Evaluation	14																		0%	

Figure 1: Gantt chart

3 SYSTEM DESIGN

Design is the first step in the development phase for any techniques. Software design is a process which requirements are converted into a representation of system.

Once the System requirements have been analyzed and specified the software design involves three technical activities - design, coding, implementation and testing that are required to build and verify any application or system

The design activities are of main importance in this phase, because for this activity depends implementation, testing and future development.

There are various kinds of methods in software design I will show some of this for my application:-

- Use case Diagram
- Sequence Diagram
- Flowchart
- Data Flow Diagram
- Entity Relationship Diagram
- Activity Diagram

3.1 USE CASE DIAGRAM

The main purpose of use case diagram is to capture the dynamic part of a system. But this definition is too standard to describe the purpose. [\[2\]](#)

- The purpose is to show the connections between the use case and actor.
- To symbolize the system requirements from user's perspective.
- An actor can be the end-user of the system or an external system.

3.1.1 Clients use case:

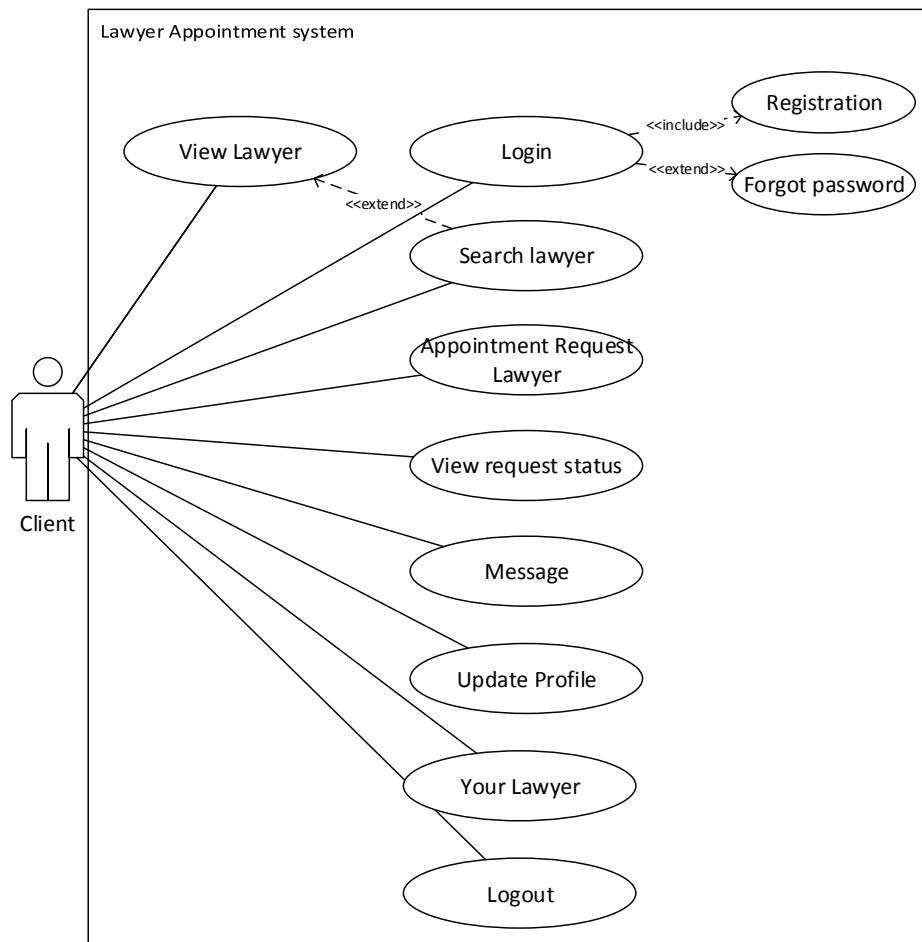


Figure 2: Use case diagram for client module

3.1.2 Lawyer Use Case:

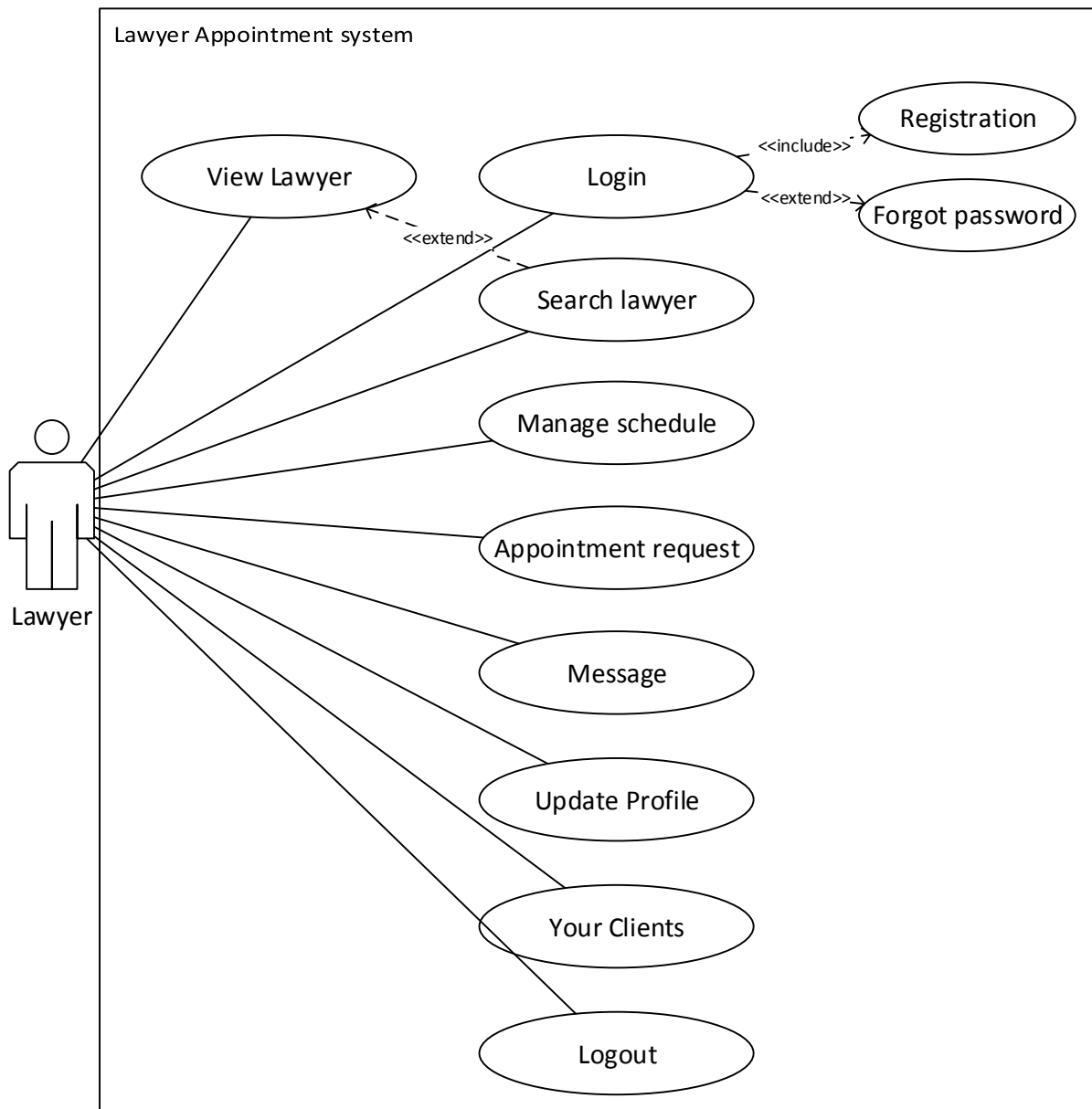


Figure 3: Use case diagram for Lawyer module

3.1.3 Admin Module

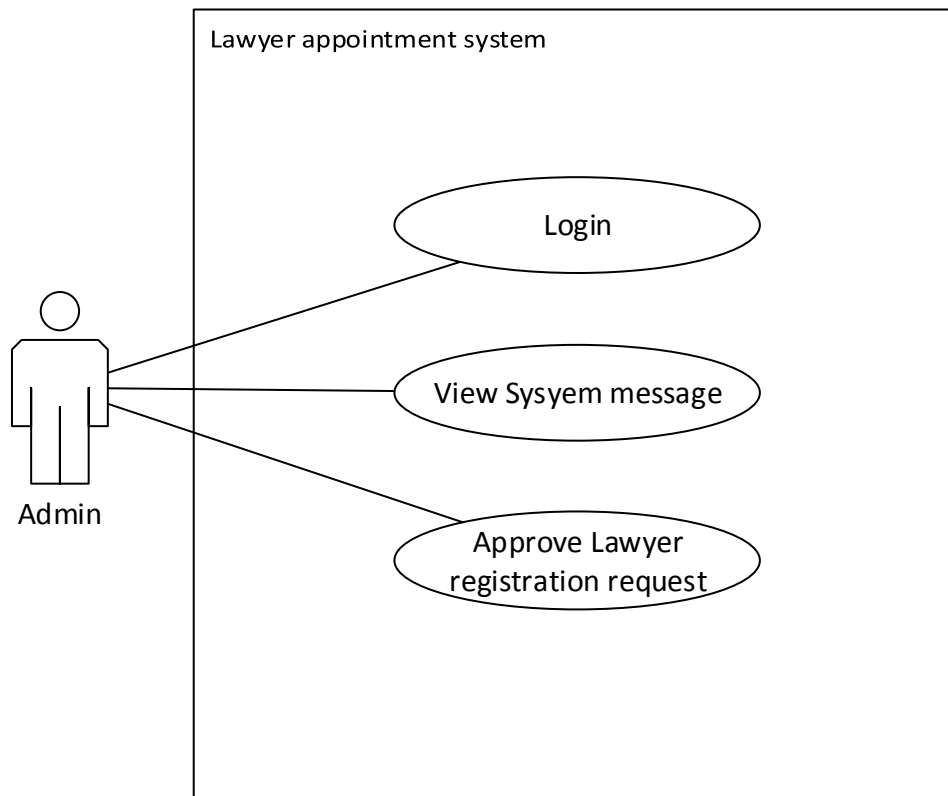


Figure 4: Use Case diagram for Admin module

3.1.4 Use case description:

Table 3.1.4.1: Search Lawyer

Use Case Name	Search Lawyer
Scenario	Find lawyer by name, address and speciality
Triggering Event	Search button
Brief Description	Anyone can search lawyer. Just input relevant data and it will show lawyer profile according to input data
Actors	Client, lawyer

Related Use Cases	View lawyer profile details	
Stakeholders	Client, lawyer	
Preconditions	Put relevant data to select data from database.	
Post Conditions	Shaw lawyer profile	
Flow of Events	Actor	System
	<ol style="list-style-type: none"> 1. First anyone need to click on the search button 2. Insert his query 	2.1 System will return lawyer profile
Exception Conditions		

Table 3.1.4.2: Send Appointment Request

Use Case Name	Appointment Request
Scenario	When a client need to get appointment. He have to send appointment request to lawyer
Triggering Event	Send appointment Request
Brief Description	When a client need to get appointment. He have to go a lawyer profile then need to click on “send appointment request” button. Then he have to input some data like when he want to get appointment, problem then he can send appointment request
Actors	Client
Related Use Cases	

Stakeholders	Client, lawyer	
Preconditions	1 st client need to login. Then put relevant data to insert database.	
Post Conditions	Request will send to lawyer	
Flow of Events	Actor	System
	<ol style="list-style-type: none"> 1. First need to login as a client 2. Need to go lawyer profile 3. Insert data to send request 	<ol style="list-style-type: none"> 1.1 check login or not 3.1 System will send request to lawyer
Exception Conditions	When client try to send request to lawyer he have to insert valid data. Or it will return error message.	

Table 3.1.4.3: View request status

Use Case Name	View request status	
Scenario	After send request to lawyer, client need to check his request.	
Triggering Event	Request status	
Brief Description	After send request to a lawyer the request status will be waiting. If client want to check status he can able to check.	
Actors	Client	
Related Use Cases	Client can delete waiting and rejected request.	
Stakeholders	Client, lawyer	
Preconditions	1 st client need to login.	
Post Conditions	He can able to delete request.	
Flow of Events	Actor	System

	1. First need to login as a client	1.2 check login or not 1.3 . System will return Request status.
Exception Conditions		

Table 3.1.4.4: Message

Use Case Name	Message	
Scenario	Lawyer can send message to lawyer.	
Triggering Event	Message	
Brief Description	When a lawyer need to communicate with a lawyer he can send message to lawyer.	
Actors	Client	
Related Use Cases		
Stakeholders	Client, lawyer	
Preconditions	1 st client need to login.	
Post Conditions		
Flow of Events	Actor	System
	<ol style="list-style-type: none"> 1. First need to login as a client 2. Go to lawyer profile 3. Send message 	<ol style="list-style-type: none"> 1.1 check login or not 3.1 message store successfully.
Exception Conditions	When client try to send message, he cannot send empty message. If he try to send it will send an error message.	

Table 3.1.4.5: Update Profile

Use Case Name	Update profile	
Scenario	If lawyer or client need to update his profile for any estuation he can update it.	
Triggering Event	Update profile	
Brief Description	After send request to a lawyer the request status will be waiting. If client want to check status he can able to check.	
Actors	Client, Lawyer	
Related Use Cases	Client can delete waiting and rejected request.	
Stakeholders	Client, lawyer	
Preconditions	1 st client need to login.	
Post Conditions		
Flow of Events	Actor	System
	1. First need to login as a client 2. Update profile and save.	1.1 check login or not 1.2 . System will return profile details.
Exception Conditions	If user try to put any invalid data it will show an error message.	

Table 3.1.4.6: Manage Schedule

Use Case Name	Manage Schedule
Scenario	When need to update or insert new schedule of a lawyer. Ha can manage it.
Triggering Event	Manage schedule

Brief Description	When need to update or insert new schedule of a lawyer. Ha can manage it. He can delete or insert new schedule.	
Actors	Lawyer	
Related Use Cases	Lawyer can delete, update view his schedule.	
Stakeholders	Lawyer	
Preconditions	1 st client need to login.	
Post Conditions	Lawyer can delete, update view his schedule.	
Flow of Events	Actor	System
	1. First need to login as a client	1.1 check login or not 1.2 . System will return his schedule
Exception Conditions	Need to input valid ta when he update schedule. Or it will show error message.	

Table 3.1.4.7: View Appointment Request

Use Case Name	Appointment Request
Scenario	When Client send an appointment request to lawyer. The lawyer can view that request.
Triggering Event	Appointment Request
Brief Description	When Client send an appointment request to lawyer. The lawyer can view that request so that he can reply, accept or reject this request.
Actors	Lawyer, Client

Related Use Cases	Lawyer can Reply ,accept or reject appointment request	
Stakeholders	Lawyer, client	
Preconditions	1 st client need to login. And client need to send request	
Post Conditions	Lawyer can Reply ,accept or reject appointment request	
Flow of Events	Actor	System
	1. First need to login as a Lawyer	1.1 check login or not 1.2 . System will return his request
Exception Conditions	Lawyer must have to login other ways he cannot view requests.	

Table 3.1.4.8: View System message

Use Case Name	View System message
Scenario	When anyone sent message from contact us page it will go to admin. And admin can view this messages
Triggering Event	View System message
Brief Description	When someone need to contact with admin he can send message from contact us page. It will go to admin. And admin can view this messages.
Actors	Lawyer
Related Use Cases	
Stakeholders	Admin, user

Preconditions	Input valid data when anyone send message.	
Post Conditions	Admin can delete message	
Flow of Events	Actor	System
	<ol style="list-style-type: none"> 1. First need to login as a Admin from admin panel 2. view messages 	<ol style="list-style-type: none"> 1.1 check login or not 1.2 . System will return his messages
Exception Conditions		

Table 3.1.4.9: Approve Lawyer registration request

Use Case Name	Approve Lawyer registration request	
Scenario	When a lawyer try to registration he need to approved by admin	
Triggering Event	Approve Lawyer registration request	
Brief Description	When someone need to registration as a lawyer the request will go to admin. Admin can accept or reject this request.	
Actors	Admin	
Related Use Cases		
Stakeholders	Admin, Lawyer	
Preconditions	Admin need to login first.	
Post Conditions	Admin can Accept or reject registration request.	
Flow of Events	Actor	System

	<p>1. First need to login as a Admin from admin panel</p> <p>2. Admin can accept or reject request</p>	<p>1.1 check login or not</p> <p>1.2 . System will return lawyer Request</p>
<p>Exception Conditions</p>		

3.2 SEQUENCE DIAGRAM

Sequence diagram and collaboration diagram are called INTERACTION DIAGRAMS. The purposes of interaction diagrams are to visualize the collaborative behavior of the system.

Now I am show sequence diagram for my application

3.2.1 Client Sequence Diagram

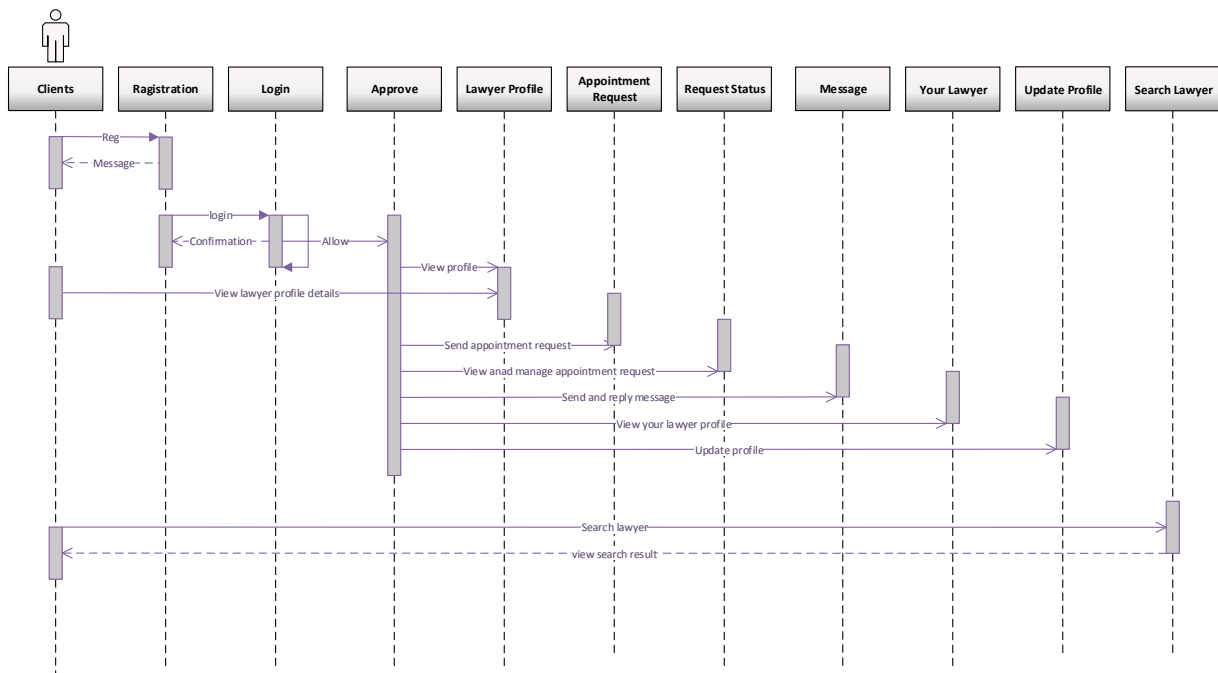


Figure 5: Client sequence diagram

3.2.2 Lawyer Sequence Diagram

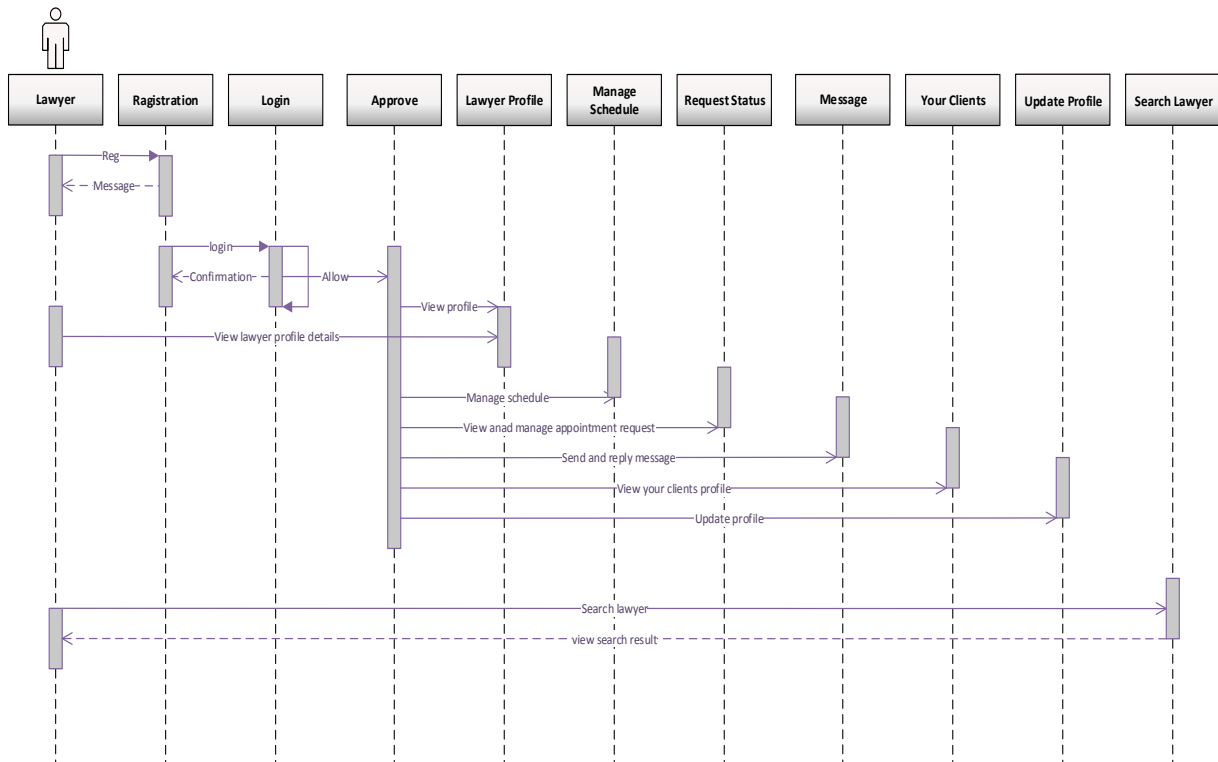


Figure 6: Lawyer sequence Diagram

3.2.3 Admin Sequence Diagram

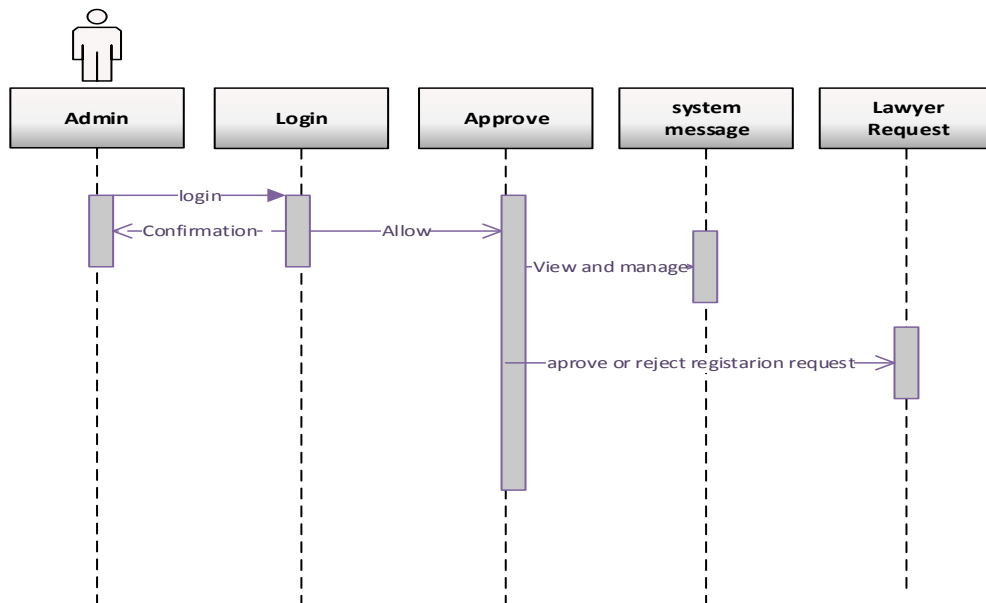


Figure 7: Admin Sequence Diagram

3.3 FLOWCHART

Flowchart is a diagram that describe flow of a system. Here I want to try describe the flow of my application.

3.3.1 Flowchart for clients

Here describe what can do a client by this system.

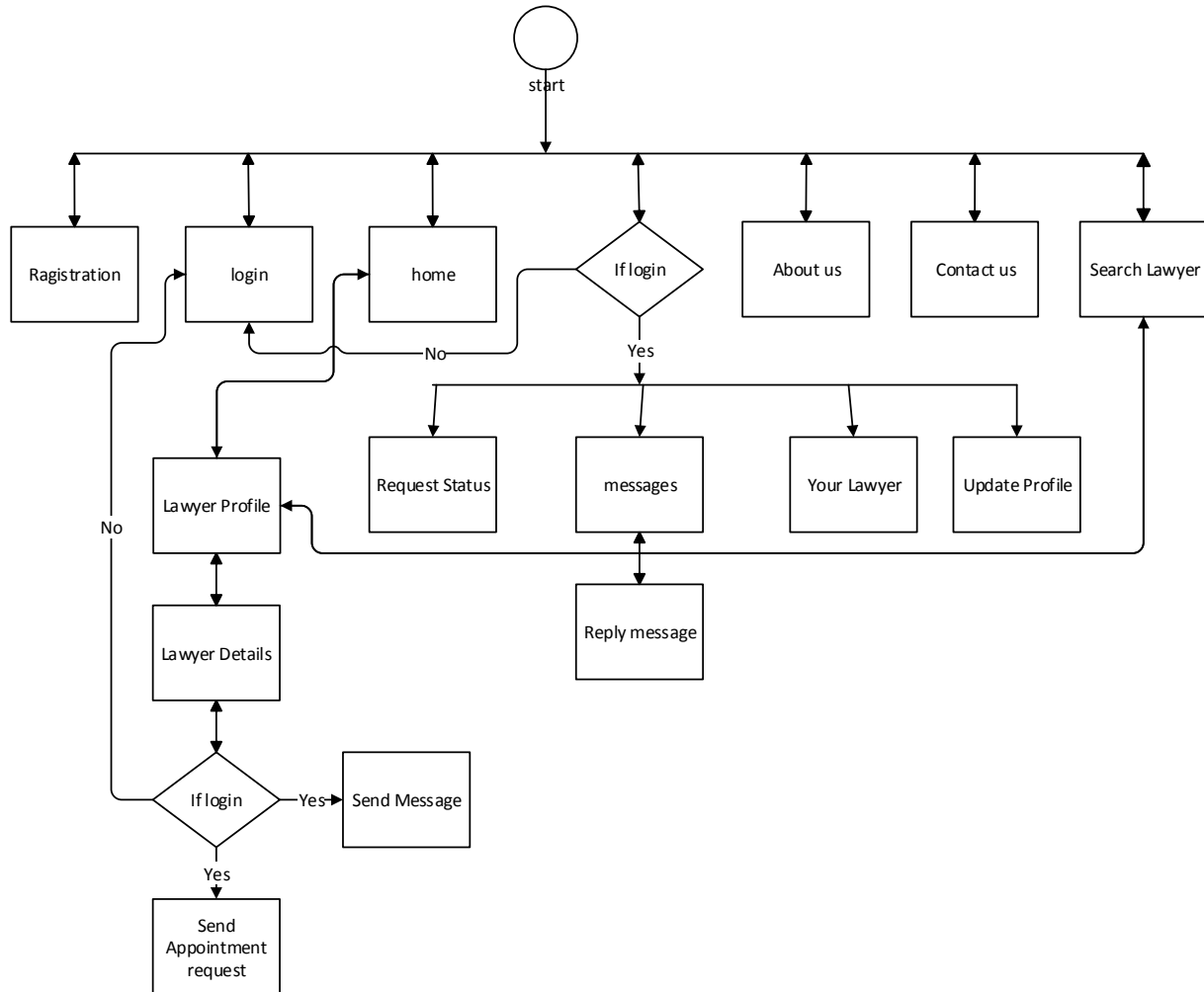


Figure 8: Flowchart for client's module

3.3.2 Flowchart for lawyers

Here I want to describe what can do a lawyer by this system.

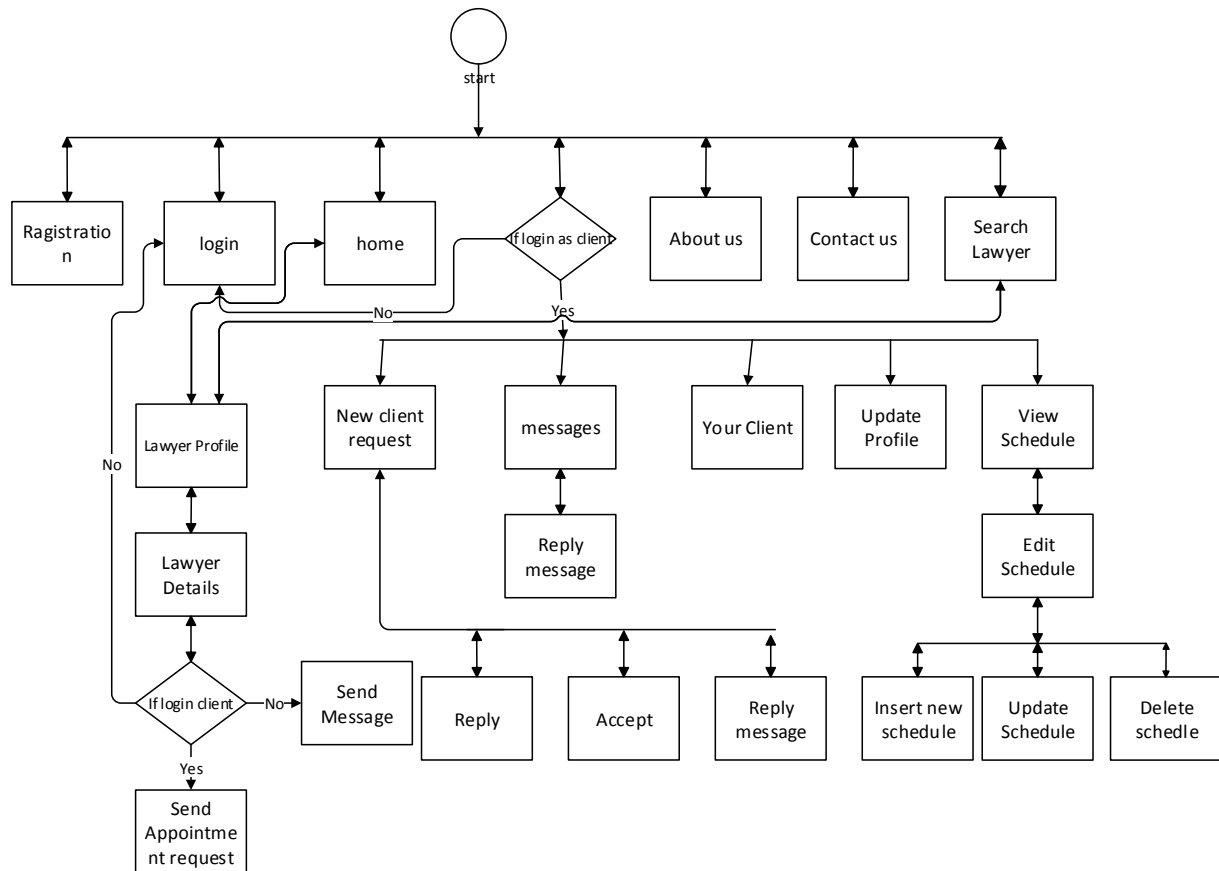


Figure 9: Flowchart for Lawyer's module

3.3.3 Flowchart for admin

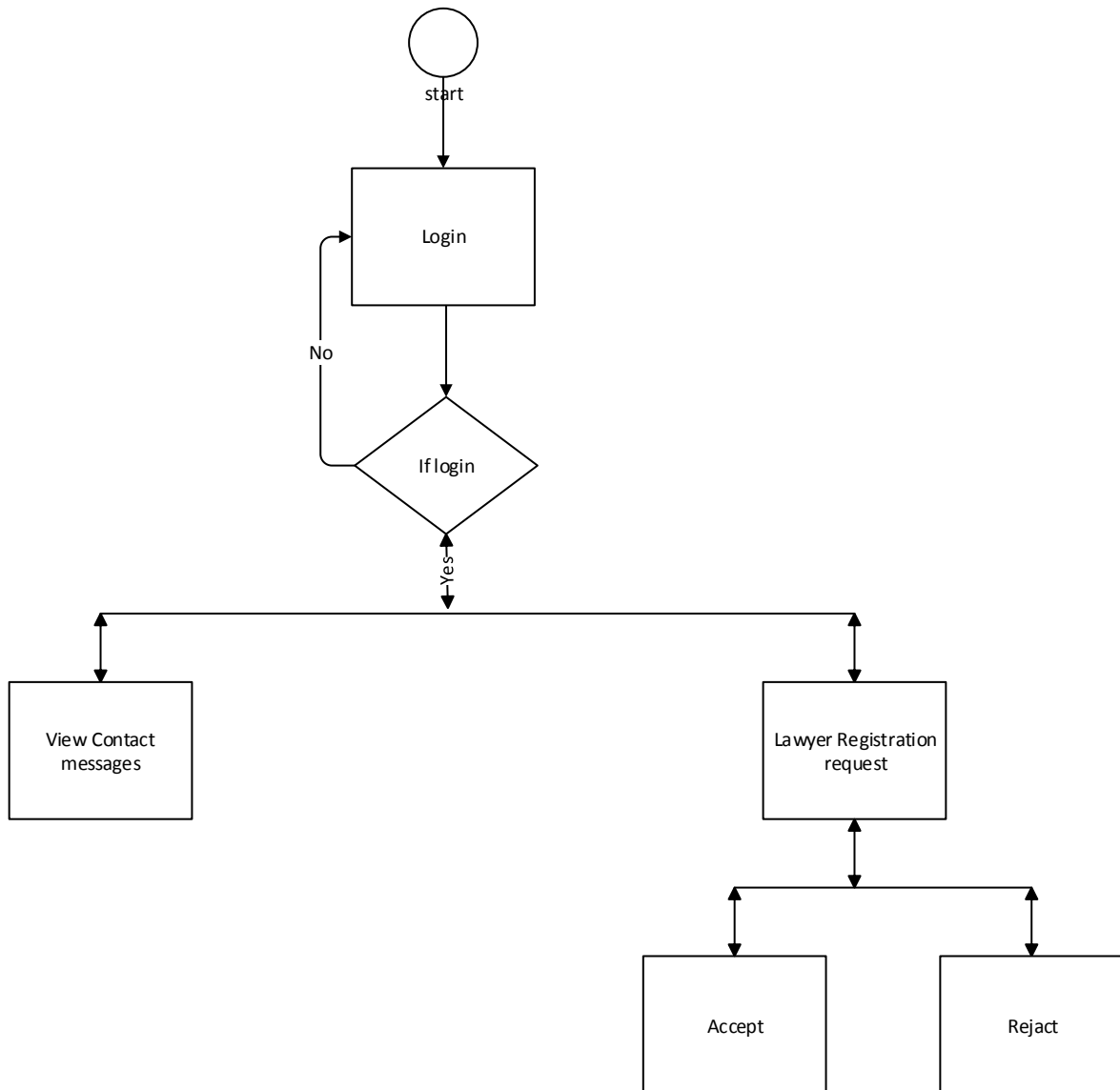


Figure 10: Flowchart for Admin module

3.4 DATA FLOW DIAGRAM (DFD)

DFD is a graphical illustration of the flow of data over an information system, modelling its process characteristics. A DFD is often used as an initial step to create an overview of the system. Data objects symbolized by labeled arrows and transformation are symbolized by circles also called as bubbles.

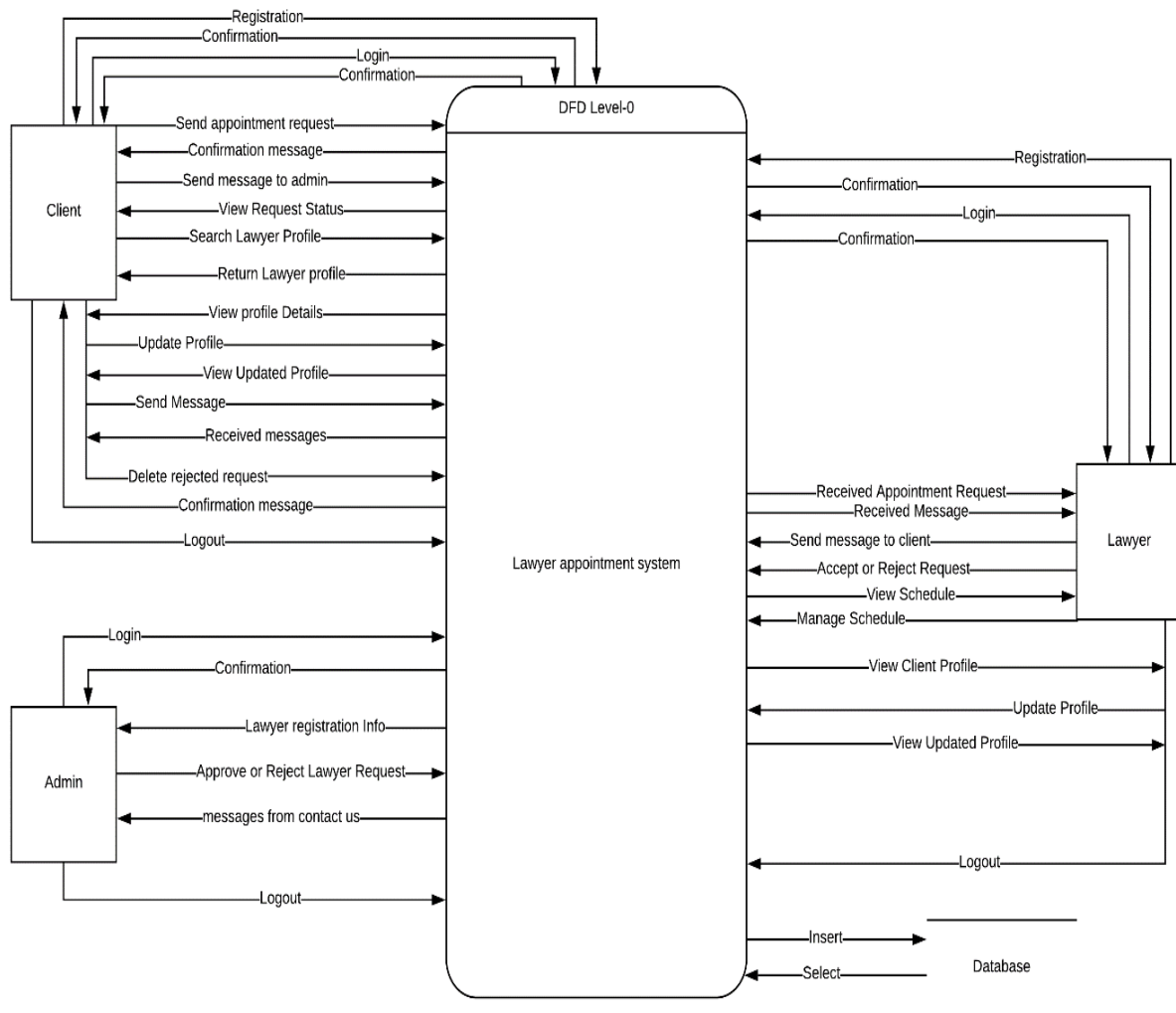


Figure 11: Data flow diagram (DFD) level 0

3.5 ENTITY RELATIONSHIP DIAGRAM (ERD)

ER-Diagram is a graphically representation of entity and relationship of entity. There are two types of ERD- Logical and physical diagram.

In this stage I want present my system physical ERD.

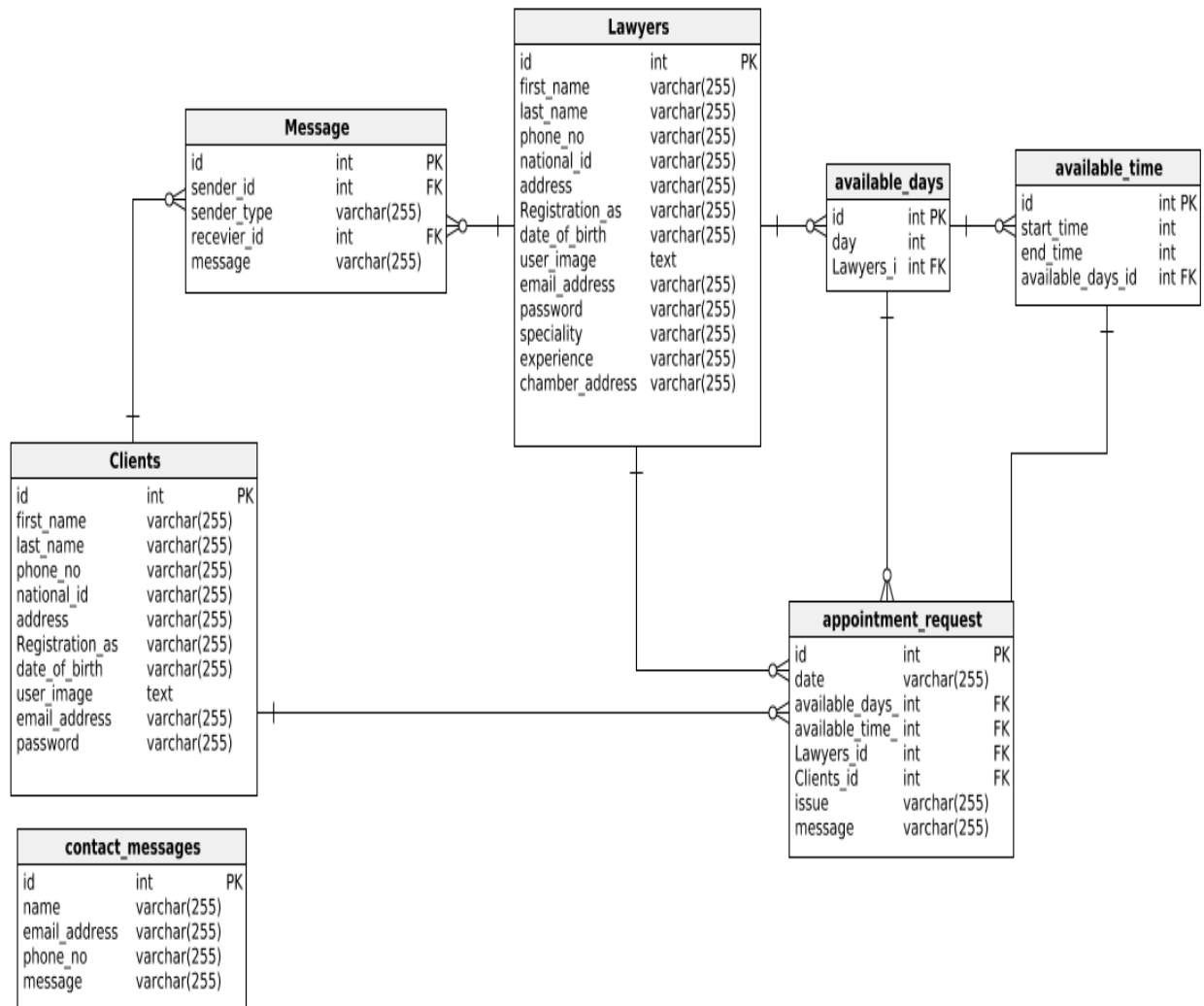


Figure 12: Entity Relationship Diagram (ERD)

3.6 ACTIVITY DIAGRAM

The activity diagram of a system describes the processing flow within each operation.

Now I am show activity diagram of **lawyer appointment system**

3.6.1 Registration and Login activity diagram

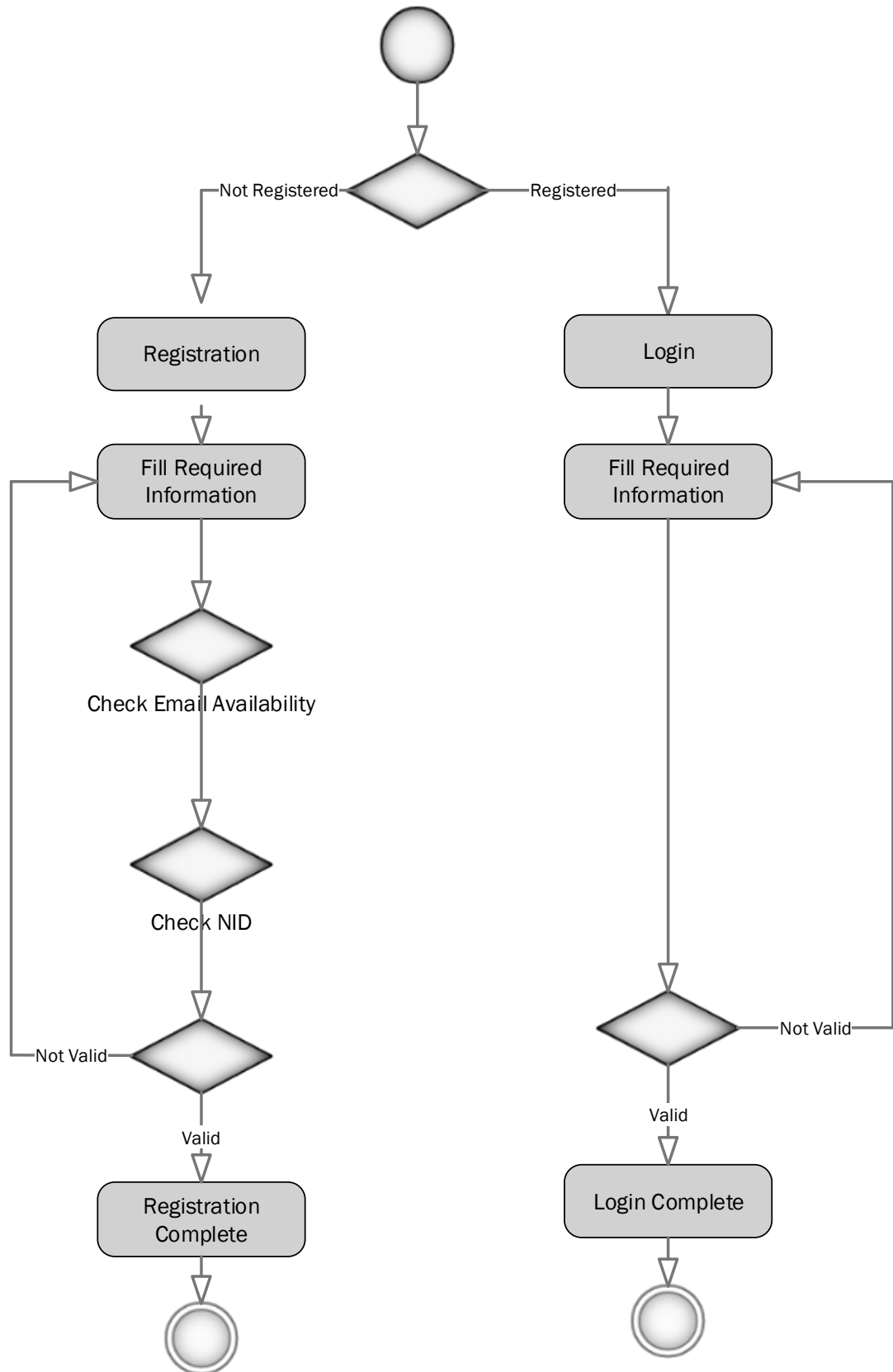


Figure 13: Activity diagram for registration and login

3.6.2 Send appointment request activity diagram

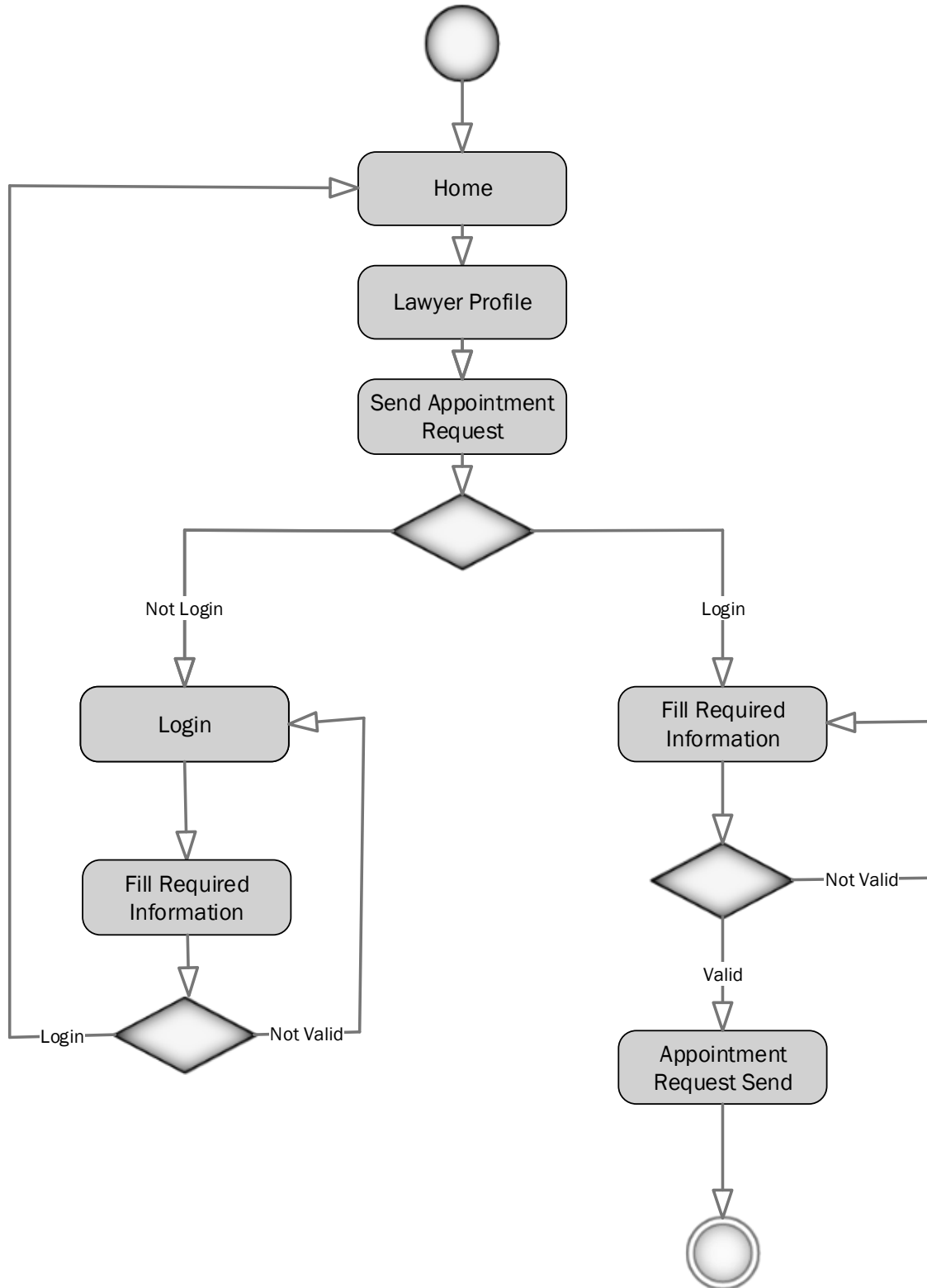


Figure 14: Activity diagram for send appointment request

3.6.3 Manage Schedule activity diagram

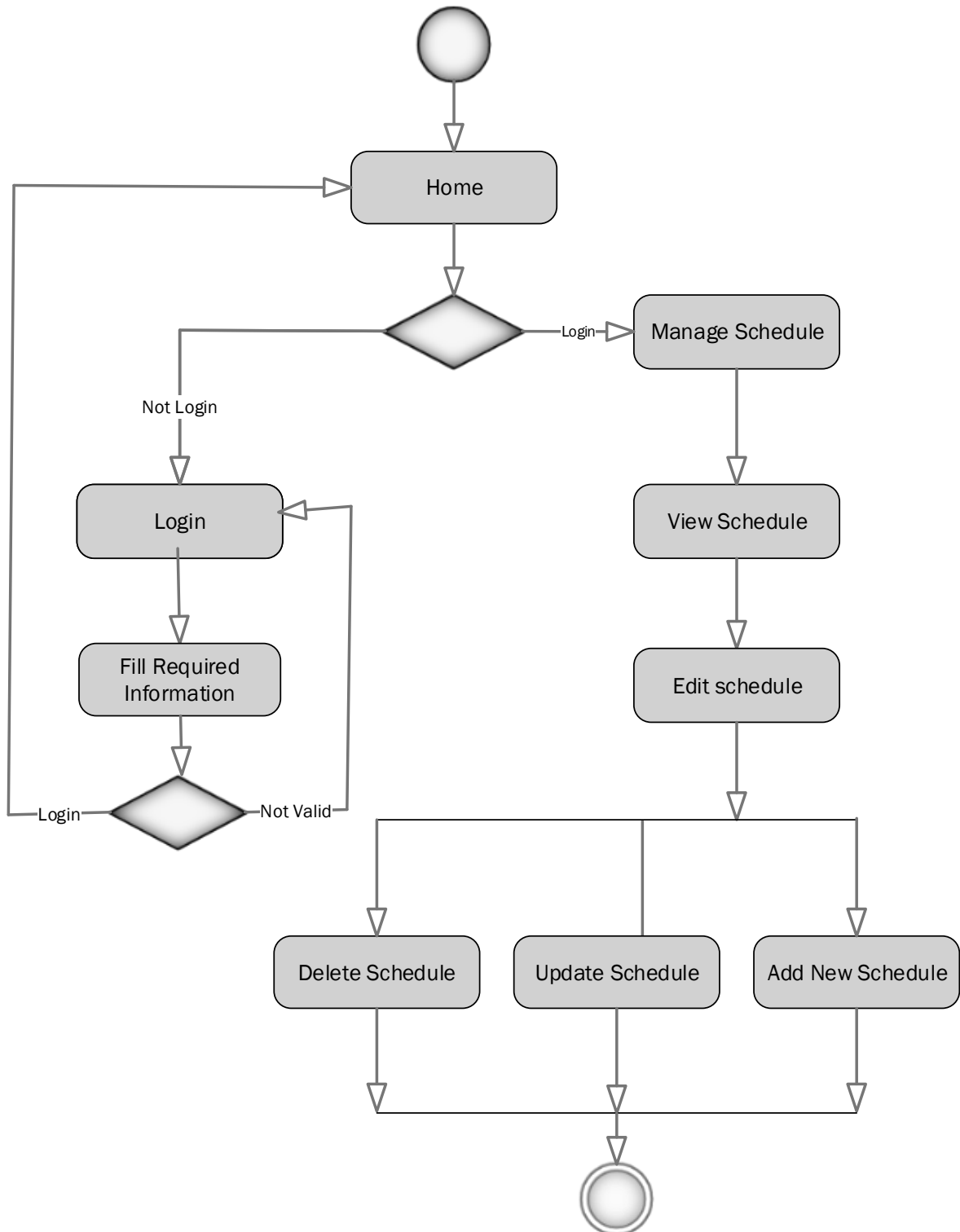


Figure 15: Manage schedule activity diagram

3.6.4 Manage appointment request activity diagram

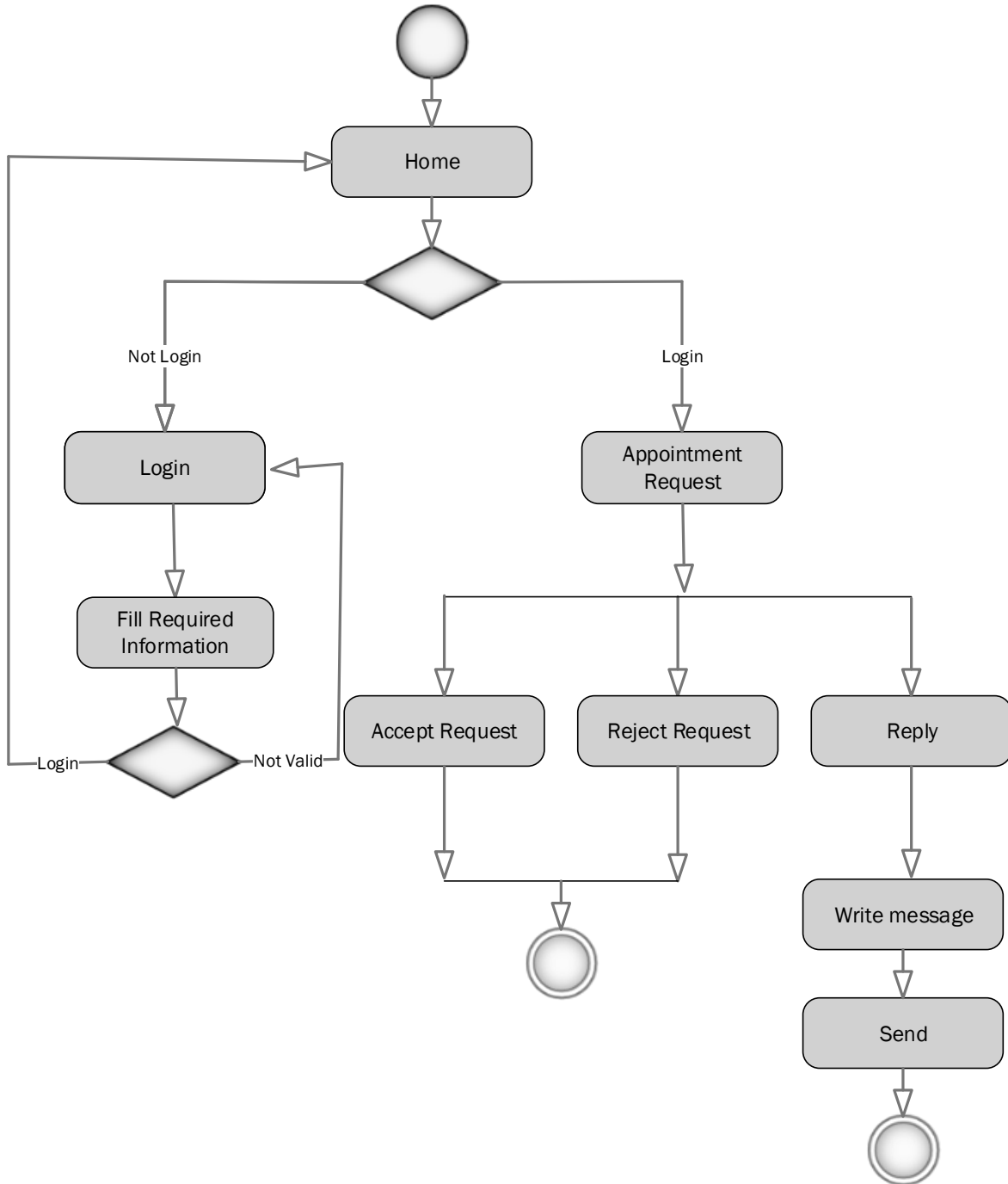


Figure 16: Activity diagram for manage appointment request

3.6.5 Update profile activity diagram

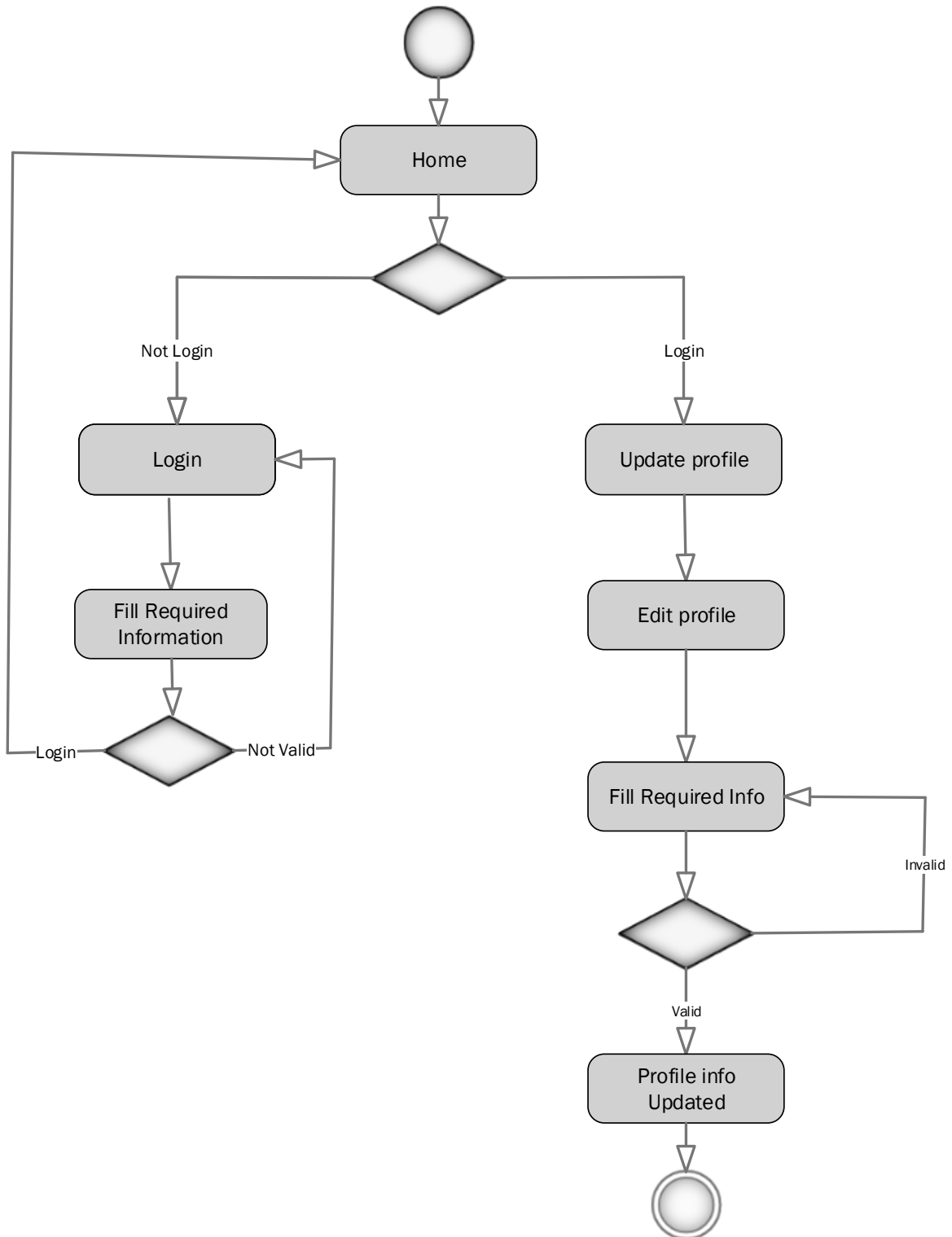


Figure 17: Activity diagram for update profile Information

4 TECHNOLOGY & TOOLS

For developing this project, I have use some tools and technology that's are talking in below.

4.1 TECHNOLOGY

- Programming language: PHP
- Web server: Apache
- Design: html, css, bootstrap, JavaScript, Ajax
- Database server: MySQL
- Framework : Laravel

4.2 TOOLS

- IDE:PhpStorm
- XAMPP

5 IMPLEMENTATION

The system design is mapped. Coding and all the logics and functions of the business processes of the system are implemented with appropriate codes. User friendly and descriptive graphical user interface is made with illustrative indication of the features. The description of the Graphical User Interface (GUI) and features are followed in the next section. Along with safe operations, proper authentication schemas are implemented to protect the system from unauthorized access and ensure the validity and confidentiality of the data in the system. The object designs and data models are implemented. Database is created in MySQL. HTML pages and forms are implemented for user interaction purposes.

5.1 HARDWARE & SOFTWARE SPECIFICATIONS

In this stage I want to describe what's need to build this application.

➤ **Hardware Requirements:**

- ✓ PROCESSOR: Dual Core or above
- ✓ RAM: 2GB or above
- ✓ Cache Memory: 2MB or above
- ✓ HDD: 20GB or above

➤ **Software Requirements:**

- ✓ **IDE:** NetBeans IDE, Eclipse, Aptana Studio PHP Editor, PhpStorm, PHP Designer, Notepad++, Sublime Text, Codelobster PHP Edition etc
- ✓ Database: MySQL
- ✓ Web-Server: Apache

5.2 UI IMPLEMENTATION

5.2.1 Home page

Now I am showing home page of my application. In home page anyone can view lawyer profiles.

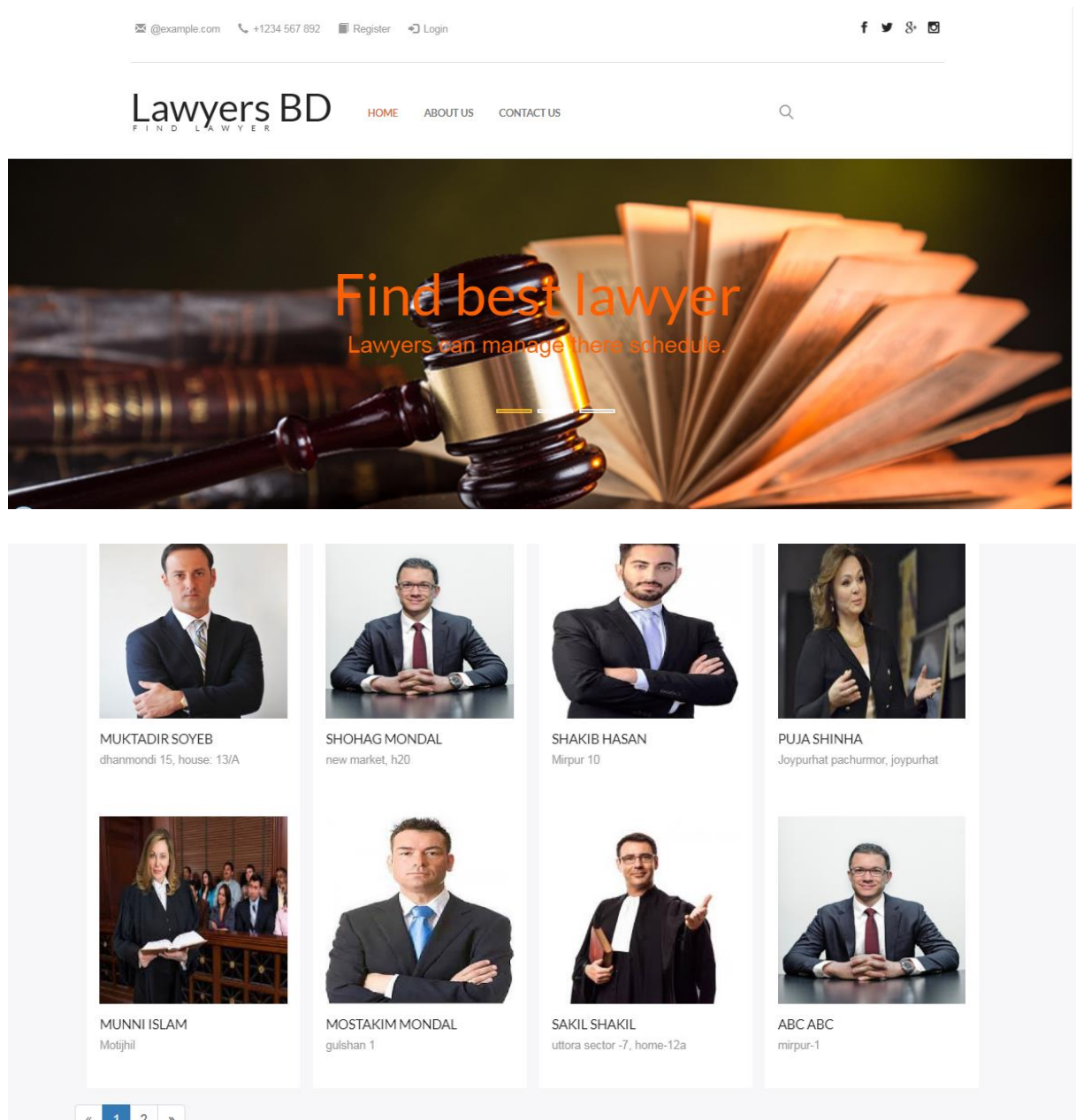
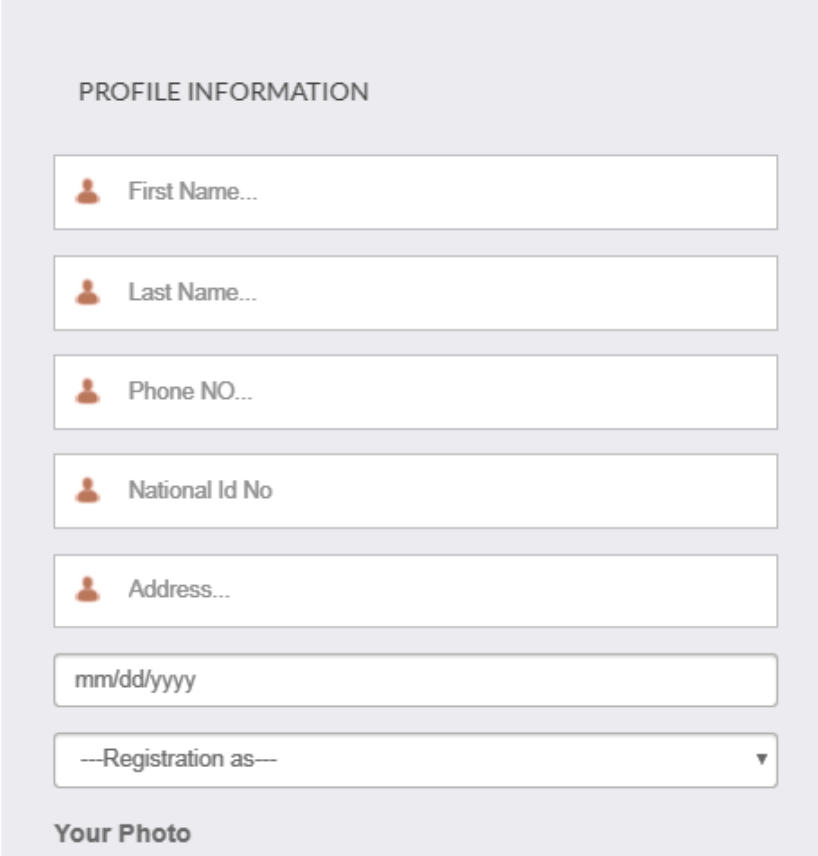


Figure 18: Home page

5.2.2 Registration page

In this stage user can registration as a lawyer or client. User must have to fill up all the field other ways it show error message.

Register Here



The image shows a registration form titled "Register Here". The form is divided into two main sections: "PROFILE INFORMATION" and "Your Photo". The "PROFILE INFORMATION" section contains several input fields, each with a person icon on the left:

- First Name...
- Last Name...
- Phone NO...
- National Id No
- Address...
- mm/dd/yyyy
- Registration as-- (dropdown menu)

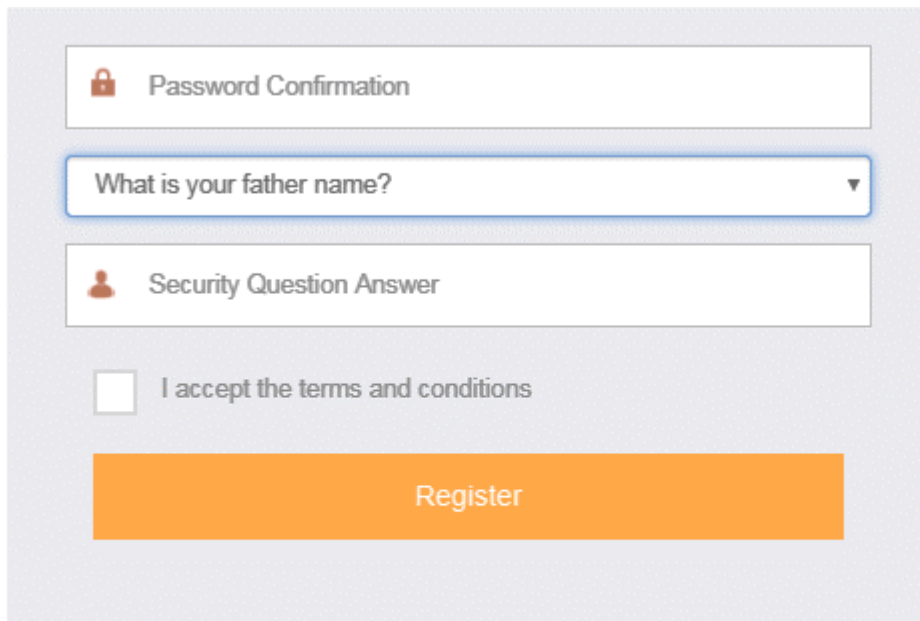
The "Your Photo" section is partially visible at the bottom of the form.

Figure 19: Registration page (part 1)

The registration page (part 2) contains the following fields and sections:

- National Id No**: Input field with a person icon.
- Address...**: Input field with a person icon.
- mm/dd/yyyy**: Date input field.
- Lawyer**: Dropdown menu with a downward arrow.
- Speciality...**: Input field with a person icon.
- Year of experience...**: Input field with a person icon.
- Chamber Address...**: Input field with a person icon.
- Your Photo**: Section header.
- Choose File**: Button next to the text "No file chosen".
- LOGIN INFORMATION**: Section header.
- Email Address**: Input field with an envelope icon.
- Password**: Input field with a lock icon.

Figure 20: Registration page (part 2)



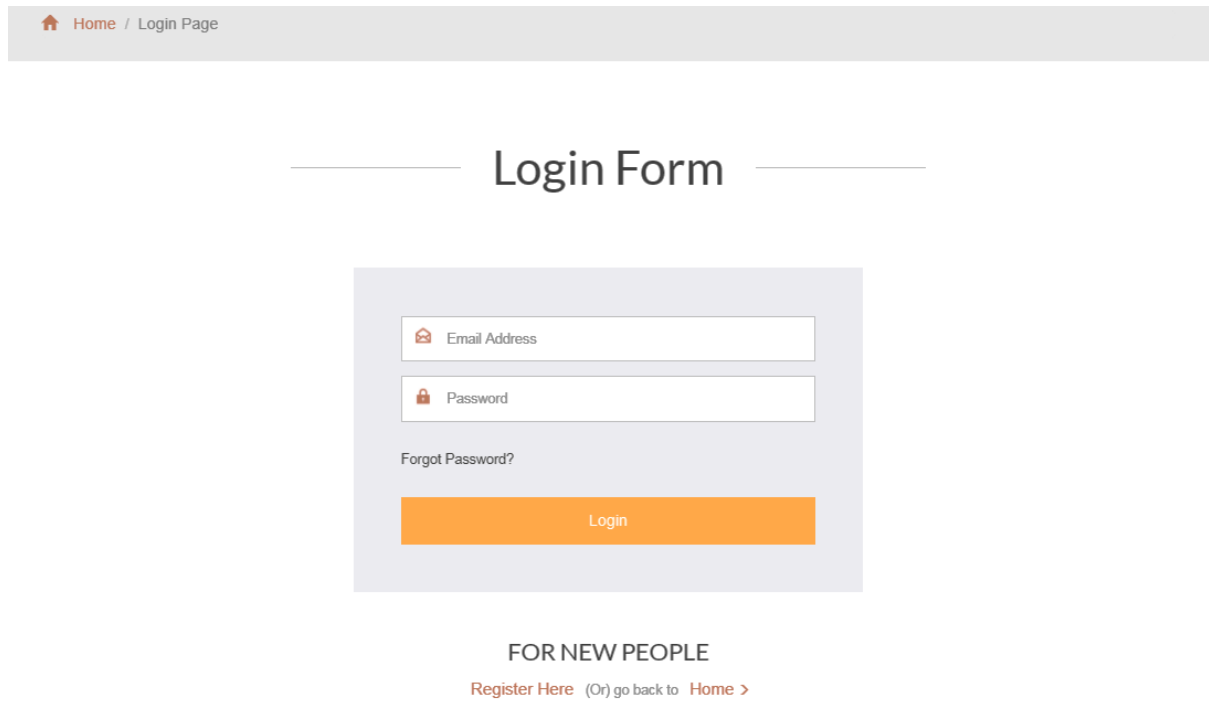
Registration page (part 3) showing the following fields and elements:

- Password Confirmation (with a lock icon)
- What is your father name? (with a dropdown arrow)
- Security Question Answer (with a person icon)
- I accept the terms and conditions
- Register (orange button)

Home

Figure 21: Registration page (part 3)

5.2.3 Login page



Home / Login Page

Login Form

Email Address

Password

[Forgot Password?](#)

Login

FOR NEW PEOPLE

[Register Here](#) (Or) go back to [Home >](#)

Figure 22: Login page

5.2.3 Update Profile:

User can update his profile from this page.


Full Name	zahid hasan
Phone NO	019859869886
Address	35 shukrabadh
National ID	1234567890
Date of Birth	1996-05-17
Email Address	zahidhassanshaikot@gmail.com
Speciality	civil
Experience	30
Chamber Address	mirpur-1
Image	
	Edit Home

Figure 23: View Profile details for update information page

First Name	<input type="text" value="zahid"/>
Last Name	<input type="text" value="hasan"/>
Phone NO	<input type="text" value="019859869886"/>
Address	<input type="text" value="35 shukrabadh"/>
National Id	<input type="text" value="1234567890"/>
Date of Birth	<input type="text" value="05/17/1996"/>
Email Address	<input type="text" value="zahidhassanshaikot@gmail.com"/>
Speciality	<input type="text" value="civil"/>
Experience	<input type="text" value="30"/>
Chamber Address	<input type="text" value="mirpur-1"/>
Image	<input type="button" value="Choose File"/> No file chosen

Figure 24: Update user profile (part 1)



Figure 25: Update user profile (part 2)

5.2.5 Manage Schedule

A lawyer can update his daily schedule.

Edit	Saturday	10:00-10:30	10:30-11:30	
Edit	Sunday	10:00-10:30	2:00-2:30	3:00-3:30
Edit	Monday	10:00-10:30		
Edit	Tuesday			
Edit	Wednesday			
Edit	Thursday			
Edit	Friday			

Figure 26 View daily schedule.

Edit schedule:

✉ @example.com ☎ +1234 567 892 🗨 Hi zahid hasan [f](#) [t](#) [s](#) [i](#)

Lawyers BD [HOME](#) [APPOINTMENT REQUEST](#) [SCHEDULE](#) [ABOUT US](#) [CONTACT](#) 🔍

Your current schedule is on Sunday

New Schedule is Inserted

<input type="text" value="10:01 AM"/>	To	<input type="text" value="10:30 AM"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text" value="01:00 AM"/>	To	<input type="text" value="01:20 AM"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>
<input type="text" value="01:30 AM"/>	To	<input type="text" value="02:00 AM"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Insert new schedule for this day....

To

Figure 27 Edit daily schedule

Appointment Request:

Date	Day	Time	Client	Issue	Message	Requested at	Action
2018-04-15	Sunday	3:00-3:30	aaa hih hi	daily meeting	meetingmeeting meeting	2018-04-16 21:32:04	Reply Accept Reject
2018-04-15	Monday	10:00-10:30	aaa hih hi	nothing	Need some help	2018-04-07 12:51:01	Reply Accept Reject

Figure 28: Appointment request

Send Appointment Request:

Select date

04/28/2018

Available time: 10:00-10:30 10:30-11:30

Issue

Rich text editor toolbar: Bold, Italic, Underline, Text Color, Background Color, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, Source.

Submit Now

Figure 29: Send Appointment Request

Send Message:

FIND LAWYER

Rich text editor toolbar: Bold, Italic, Underline, Text Color, Background Color, Bulleted List, Numbered List, Indent, Outdent, Undo, Redo, Source.

Send Now

Figure 30: Send Message

6 TESTING

The testing of the software was done in full manual end user data flow testing style. Due to unavailability of test providing platform, automated software derived testing could not be performed. The testing approach is narrated here omitting the technical details.

Two common type of testing is black box testing and white box testing. Black box testing is also called functional testing. In this stage we test only functionality, input, and output. White box testing is structure level testing. For this project I have used black box testing method.

6.1 TEST CASE

A test case is a document, which has a set of test data, preconditions, expected results and post conditions, developed for a particular test scenario in order to verify compliance against a specific requirement [4]

Table 6.1.1: Test case for Lawyer Registration

Test Case ID: TC 01		Module Name: Registration				
Sub Module: Lawyer Registration		Test Designed by: Md Zahid Hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 05.02.2018				
Test Title: Lawyer Registration with valid information		Test Executed by: Md Zahid Hasan Shaikat				
Description: Test the system's on registration page		Test Execution date: 06.02.2018				
Pre-conditions: The user navigate to registration page and input the required filled. And click on the Register button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Registration Page	Click on Registration Tab	Registration.blade.php	Lawyer should be registered	Lawyer navigate or	Pass

2	Input First Name	Zahid hasan		successfully and the email address is the login id.	redirect to home page.
3	Input Last Name	Shaikat			
4	Input Phone No	01985986986			
5	Input National Id No and it must be unique	1234567890			
6	Address	Dhanmondi 32, Dhaka 1207			
7	Date of birth	17-05-1976			
8	Select Registration as	Lawyer			
9	Input Specialty	Civil			
10	Year of Experience	30			
11	Chamber Address	Dhanmondi 32, Dhaka 1207			
12	Write about you	Hi I am zahid hasan . I am a lawyer			
13	Choice a photo	1.jpeg(selected from pc)			
14	Email	Zahid721@diu.edu.bd			
15	Password	123@123			

16	Confirm password	123@123				
17	Select a security question	What is your father name?				
18	answer	Mohshin				
19	Check trams & condition	<input checked="" type="checkbox"/>				
20	Click on Signup Button					

Post-conditions: if the user information's are valid then the information will saved in the database otherwise show the invalid fields.

Table 6.1.2: Test case for Client Registration

Test Case ID: TC 02		Module Name: Registration				
Sub Module: Client Registration		Test Designed by: Md Zahid Hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 05.02.2018				
Test Title: Client Registration with valid information		Test Executed by: Md Zahid Hasan Shaikat				
Description: Test the system's on registration page		Test Execution date: 06.02.2018				
Pre-conditions: The user navigate to registration page and input the required filled. And click on the Register button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Registration Page	Click on Registration Tab	Registration.blade.php	Client should be registered	Client navigate or	Pass

2	Input First Name	Zahid hasan		successfuly and the email address is the login id.	redirect to home page.	
3	Input Last Name	Shaikat				
4	Input Phone No	01985986986				
5	Input National Id No and it must be unique	1234567890				
6	Address	Dhanmondi 32, Dhaka 1207				
7	Date of birth	17-05-1996				
8	Select Registration as	Client				
12	Write about you	Hi I am zahid hasan . I am a Student				
13	Choice a photo	1.jpeg(selected from pc)				
14	Email	Zahid721a@diu.edu.bd				
15	password	123@123				
16	Confirm password	123@123				
17	Select a security question	What is your father name?				
18	answer	Mohshin				

19	Check trams &condition	<input checked="" type="checkbox"/>				
20	Click on Signup Button					
Post-conditions: if the user information's are valid then the information will saved in the database otherwise show the invalid fields.						

Table 6.1.3: Test case for Lawyer Login

Test Case ID: TC 03			Module Name: Login			
Sub Module: Lawyer Login			Test Designed by: Md Zahid hasan Shaikat			
Test Priority (Low/Medium/High): High			Test Designed date: 05.02.2018			
Test Title: lawyer Login with valid email and password			Test Executed by: Md Zahid Hasan Shaikat			
Description: Test the system's Login page			Test Execution date: 06.02.2018			
Pre-conditions: The user has valid email and password. The current email is zahid721@diu.edu.bd and password 123@123. The system navigate to Login page. And click on the Login button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Login Page	Click on Login Tab	Login.blad e.php	Lawyer should be able to login successfully.	Lawyer navigate or Home Page successfully.	Pass
2	Input Email and it must be Unique	Zahid721@diu.edu. bd				
3	Input Password	123@123				

4	Click on Signup Button					
Post-conditions: lawyer is validated with database and successfully login to account. The account session details are logged in database.						

Table 6.1.4: Test case for Lawyer login failed

Test Case ID: TC 04			Module Name: Login			
Sub Module: Lawyer Login			Test Designed by: Md Zahid hasan Shaikat			
Test Priority (Low/Medium/High): High			Test Designed date: 05.02.2018			
Test Title: lawyer Login without valid email and password			Test Executed by: Md Zahid Hasan Shaikat			
Description: Test the system's Login page			Test Execution date: 06.02.2018			
Pre-conditions: The user has valid email and password. The current email is zahid721@diu.edu.bd and password 123@123. The system navigate to Login page. And click on the Login button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Login Page	Click on Login Tab	Login.blade.php	Lawyer should not be able to login successfully.	Lawyer navigate to login page with error message.	Pass
2	Input Email and it must be Unique	Zahid@diu.edu.bd				
3	Input Password	123@000				
4	Click on Signup Button					

Post-conditions: lawyer is not validated with database and login fail. And it show an error message.

Table 6.1.5: Lawyer Appointment

Test Case ID: TC 05		Module Name: Appointment				
Sub Module: Lawyer Appointment		Test Designed by: Md Zahid hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 15.03.2018				
Test Title: Send appointment request to lawyer		Test Executed by: Md Zahid Hasan Shaikat				
Description: Test on the lawyer appointment page.		Test Execution date: 16.03.2018				
Pre-conditions: User need to login as a client then visit a lawyer profile whose he want to send appointment request. Then click on send appointment button. Then fill up then input field with valid data. Then click on submit button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Appointment page	Click on Send Appointment request Tab	Lawyer-appointment-request.blade.php	Request should be send to this lawyer	Request navigate to lawyer profile with successful message.	Pass
2	Select day	Sunday				
3	Select Time	10:00-10:30				
4	Input issue why want to appoint	bankruptcy				
5	Message	I need to contact with you emergency				
6	Click on send button					

Post-conditions: If all inputted data is valid then the data will save in database successfully. And send a successfully message.

Table 6.1.6: Test case Send Message to Lawyer

Test Case ID: TC 06		Module Name: Message				
Sub Module: Send Message to Lawyer		Test Designed by: Md Zahid hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 15.03.2018				
Test Title: Send message to lawyer		Test Executed by: Md Zahid Hasan Shaikat				
Description: Send the message to lawyer from message page.		Test Execution date: 16.03.2018				
Pre-conditions: User need to login then visit a lawyer profile whose he want to send message. Then click on send message button. Then fill up then input field. Then click on send button.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Appointment page	Click on Send message from lawyer details page Tab	Lawyer-send-message.blade.php	message should be send to this lawyer	Message navigate to lawyer profile with successful message.	Pass
2	Message	I need to contact with you emergency				
3	Click on send button					
Post-conditions: If user send message to lawyer it will save in database successfully. And send a successfully message.						

Table 6.1.7: Test Case Reject client request

Test Case ID: TC 07		Module Name: Request Status				
Sub Module: Reject Request		Test Designed by: Md Zahid hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 15.03.2018				
Test Title: Reject appointment request by lawyer		Test Executed by: Md Zahid Hasan Shaikat				
Description: When a client send request to lawyer, lawyer can reject the request.		Test Execution date: 16.03.2018				
Pre-conditions: Lawyer need to login. Then click on appointment request from menu. Then click on reject button that request want to be reject.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Appointment page	Click on appointment request Tab	New-appointment-request.blade.php	The request status will be show rejected	The request status is rejected	Pass
2	Click on Reject button					
Post-conditions: If lawyer reject a request it will save in database successfully. And send a successfully message.						

Table 6.1.8: Test case Accept client request

Test Case ID: TC 08		Module Name: Request Status				
Sub Module: Accept Request		Test Designed by: Md Zahid hasan Shaikat				
Test Priority (Low/Medium/High): High		Test Designed date: 15.03.2018				
Test Title: Accept appointment request by lawyer		Test Executed by: Md Zahid Hasan Shaikat				
Description: When a client send request to lawyer, lawyer can Accept the request.		Test Execution date: 16.03.2018				

Pre-conditions: Lawyer need to login. Then click on appointment request from menu. Then click on Accept button that request want to be reject.

Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Appointment page	Click on appointment request Tab	New-appointment-request.blade.php	The request status will be show Accept	The request status is Accepted	Pass
2	Click on Accept button					

Post-conditions: If lawyer Accept a request it will save in database successfully. And send a successfully message.

Table 6.1.9: Test case for edit lawyer schedule

Test Case ID: TC 09			Module Name: Manage schedule			
Sub Module: Update Schedule			Test Designed by: Md Zahid hasan Shaikat			
Test Priority (Low/Medium/High): High			Test Designed date: 15.03.2018			
Test Title: Update lawyer daily schedule			Test Executed by: Md Zahid Hasan Shaikat			
Description: For getting appointment of a lawyer, clients need to know lawyer schedule. In this application lawyer can maintains his weekly schedule			Test Execution date: 16.03.2018			
Pre-conditions: Lawyer need to login. Then click on Manage schedule from menu. Then click on edit button to update daily schedule.						
Step	Test Steps	Test Data	Code Module	Expected Result	Actual Result	Pass/Fail
1	Navigate to Appointment page	Click on manage schedule Tab	schedule.blade.php	Lawyer can update his	Schedule is updated	Pass

2	Click on Edit button			regular schedule		
3	Input start time	10:30 AM				
4	Input End Time	11:00 AM				
5	Click on update button					

Post-conditions: If lawyer update his schedule it will save in database successfully. And send a successfully message.

6.2 TEST REPORT

Generally, this is a communication sent out to establish transparency to the QA team's activities of the day during the test cycle – includes both defect information and test case run information.[6]

Total unit of test case sample are 9. Some test cases are succeed in 1st iteration and some are in second. The succession percent are shown in following table:

Table 10.4: Test Report

Number of Unit Test Case	100% Success in first iteration	Less than 100%	Total Succession %
Total : 9	6	3	80%
Total : 9	9	0	100%

7 CONCLUSION

The application is designed in such a way that future modifications can be easily done. The following conclusion can be assumed from the development of the project. Automation of the entire application improves the good organization. It delivers a friendly graphical UI and gives proper access to the authorized users depending on their authorizations. It effectively overcomes the delay in communications. Updating of data becomes very easier. Application security, data security and reliability are the striking features. The System has passable scope for modification in future if it is essential

8 FUTURE IMPROVEMENT

This application avoids the manual work and the problems concern with it. Well I have worked hard in order to present the website. Still, I found out that the project can be done in a better way.

Due to time and technology concern I am unable to deploy the online payment system and notification system and other small features. For that reason, I am going to develop new features like following:

- Online Payment System using payment gateways
- Notification System
- View laws and search laws.
- Review of lawyer from clients.

9 APPENDIX

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