



Independent University, Bangladesh

Mobile Application Development of “Your Lawyer” at Aveneur Solutions

An undergraduate internship report submitted by

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Under the guidance of

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Independent University, Bangladesh

In consideration of the partial fulfillment of the requirement for the degree of

BACHELOR OF SCIENCE in Computer Science

Department of Computer Science and Engineering

SPRING 2021

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Attestation

I understand the nature of plagiarism, and I am aware of the University's policy on this. I certify that this is an original work by me during. However, following internationally accepted academic guideline of using others written work and / or software (in the form of code) in my University project is properly cited if used in any part of this work.

Signature

Date

Mohammad Shamim Hossain

Acknowledgement

First of all, I would like to thank almighty Allah, for his grace in accomplishing my internship report timely. I would like to express my gratitude to the Faculty of Computer Science and Engineering department to keep internship credit in the curriculum of the graduation program and give me a scope of tasting the flavor of industry-oriented tasks and the field of work with my interest. I would like to thank specially to my supervisor, Mrs. Sabrina Alam, Lecturer, Department of Computer Science and Engineering, Independent University, Bangladesh, who encouraged and directed me with her continuous guidance, invaluable instructions, stimulating suggestions and thoughtful advice during pursuing this internship and preparation of this report.

I am also thankful to my organization supervisor of Mr. Ashiqur Rahman Rohan, Senior application developer, Aveneur Solutions from the core of my heart for her kind support, guidance, constructive, supervision, instructions and advice as well as for motivating me to do the internship smoothly at Aveneur Solutions. I express my profound gratefulness to all representatives of Aveneur Solutions for their participation and making a difference me to total this internship extend and report. Last but not least, I would like to thank my guardians and other family individuals for continuously giving me their unceasing back.

Mohammad Shamim Hossain
June, 2021
Dhaka, Bangladesh

Letter of Transmittal

21th May, 2021

Mrs. Sabrina Alam

Lecturer,

Department of Computer Science & Engineering,

School of Engineering & Computer Science,

Independent University, Bangladesh

Subject: Submission of Internship Report for the completion of Graduation.

Dear Madam,

I am hereby submitting my Internship Report, which is a part of the BSc. Program in Computer Science curriculum. This report is based on, "Internship at Aventure Solutions". I have got the opportunity to work at Aventure Solutions for three months, under the supervision of Mr. Ashiqur Rahman Rohan, Aventure Solutions. This internship has given me both academic and practical exposure.

The internship has allowed me to develop a network with the corporate environment. I tried to make this report as much information as possible with the experience I have gained during my internship period. To prepare a well-organized internship report, I have followed the guidelines and described the required fields with sufficient details. I, however sincerely believe that this report will serve the purpose of my internship program.

I shall be highly obliged if you are kind enough to receive this report and provide your valuable judgment. It would be my immense pleasure if you find this report useful and informative to have an apparent perspective on the issue.

Sincerely Yours,

Mohammad Shamim Hossain

ID#1610098

Department of Computer Science,

School of Engineering & Computer Science,

Independent University, Bangladesh

Abstract

Nowadays mobile development plays important role in modern life. This report is about the activity of the mobile app development department of Aveneur Solutions and my contribution to their project.

The report is broadly categorized into ten different chapters. At first, there is an introduction, Vision, Mission & objective, Corporate divisions, Details of the product lines or services. In chapter two focused on Literature Review. In this chapter, I told about the Relationship with Undergraduate Studies and Related Works. In Chapter three will be Project Management. And chapter four will tell about methodology. Internship experience & observation details will be talked in chapter five. Chapter six will tell about Project as Engineering Problem Analysis. Chapter seven about Internship outcome & issue analysis. Then chapter 8 about Conclusion & implication. Chapter nine will about References. And lastly, I talked about the Appendix in Chapter ten.

Evaluation Committee

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Supervisor

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Name

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Internal Examiner

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External Examiner

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Convener

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Chapter 1

Introduction

Bangladesh has a literacy rate of more than 50 percent and a population of more than 150 million. In the last two decades, the country has made significant economic progress by increasing its GDP growth rate to more than five percent. It is argued that with the development of the IT sector, the country has a huge potential to jump into an industrialized economy. Because of Bangladesh's cultural acceptability, English language skills, analytical ability, and bright trend in software development, a large number of educated and strong youth with good quality and natural skills have a high potential to be a huge source of skilled human resources. A recent study found that the wage rate for IT professionals in Bangladesh is about half that of Indian IT professionals. However, the IT sector has not yet grown as expected. The country earned US\$ 33 million in 2009 by exporting software. Although export earnings from the software sector increased by US\$ 8 million compared to 2008, the share of software exports compared to 2006 was only 0.2 percent of the country's total exports (BASIS) 2010). The IT sector is mainly concentrated in Dhaka, the capital of Bangladesh. There is an IT cluster called IT Incubator Center, which was established in November 2002, where about 50 IT firms are now doing business.

Over the past few decades, Bangladesh's software and IT services industry has come a long way. It has matured. This industry no longer resides in the surrounding area. It has joined the mainstream. Not only is the industry making a significant contribution to national income, but it is also playing a very important role in creating high-quality employment for a large section of the country's young graduates.

Over the past few decades, Bangladesh's software and IT services industry has come a long way. It has matured. This industry no longer lives in the surrounding area. It has joined the mainstream. Not only is the industry making a significant contribution to national income, but it is also playing a vital role in creating high-quality employment for a large portion of the country's young graduates.

1.1 Background

Generally, taking an appointment from a Lawyer is very hard. First, they need to find the nearest lawyer also need to know which lawyer is available. Sometimes people face harassment especially girls. But they can't find a lawyer instantly. There are many people in Bangladesh they don't know their rights. That's the reason they face a lot of problems. When someone has been injured in an accident, choosing the right law firm to handle their case is a difficult undertaking. This Mobile-based real-time lawyer system will solve all these problems.

So, by using this app victims can find a lawyer easily. This information will be stored in the database for further reference or monitoring. Also, people able to know their rights.

1.2 Objective

Project objectives are what we plan to achieve by the end of our project. The objective of a project is specific, measurable and must meet time, budget, and most importantly meet the client's requirements. The main objectives of this application are described below:

- Automate the current system.
- To provide information about fees, appointment time, appointment date.
- To access victims list in the app from any place, so lawyers can schedule their plan accordingly.
- This mobile application must attract prospective clients.
- Educate visitors and help them to know about own rights and decide that apps are the right choices to solve their legal issues.
- To store data in the database for further reference or audit.

1.3 Scope of the project

This Mobile-based lawyer apps will permit to register lawyers and victims. It also provides a login page after the registration process. It provides a different user interface with different functionality for lawyers and victims. This application solves the current lawyer system and provide better services. The main users of the project are to find the right lawyer. Using this application people can know their rights. Also, lawyers can able to see how many victims are coming, how many appointments are done, how many appointments pending. The system provides information about the lawyers.

1.4 Company profile:

Avenueur Solutions is an aesthetic-first web design, digital content and software development company - serving businesses both large and small. We are a creative IT company that provides a variety of services to suit your specific needs. We encourage innovation, turn ideas into reality and provide opportunities for business development. Their main services are to set up and maintain business dashboards, data mining, and reporting. They also provide the full range of consultancy and implementation of Cloud Computing Architecture by designing highly fault-tolerant, scalable, secured, compliant, and cost-effective solution according to need.

1.4.1 Vision, mission & objective:

Mission

Avenueur Solutions mission is to provide the highest-grade, bespoke web, application, software, and technological solutions to its valued client base in an affordable and time-efficient manner. They provide services to all types of companies from solo bloggers to large enterprises.

Vision

We are on a journey to expand and grow into a ubiquitously trusted name in the fields of digital design and technology. In time, Aveneur Solutions shall span the globe to provide its digital development and technology transfer services in major markets of the world over, such as the United Kingdom, Singapore and the United States. The core values of the organization will always be honesty and social responsibility.

Objective

Top products, top performance, and top service.

Aveneur Solutions customers' success is our declared goal and utmost concern. Therefore, they make great demands on every detail of our work in all sections of our services.

They offer our customers

- high-performance, user-friendly software solutions
- first-class, proven hardware products and
- comprehensive individual services

Treat each other with responsibility and respect.

Their everyday work both within and outside the company is characterized by mutual respect. The resulting positive attitude is the basis of all issues related to staff management at all classification levels.

They expect and encourage

- a high level of self-motivation,
- constructive criticism,
- individual responsibility,
- a pleasant working environment as well as
- continuing education.

They continue to develop ourselves and our performances.

The services provided by them have a significant influence on the central business processes of our customers. Therefore, they conduct strict internal control to ensure a high level of transparency and gapless traceability of all work processes.

They continuously control and optimize the effectiveness and efficiency of their actions to be more productive at work and to further improve the quality of their job performance at the same time.

They secure our leading position every day – thereby maintaining our independence.

The quality and efficiency of their products and solutions and also their daily personal commitment has made them the market leader concerning ERP solutions for the packaging industry.

To maintain this status and ensure the future success of their company, they pursue clear strategic objectives. Together they want to

- create new jobs
- maintain existing jobs,
- foster innovations and
- plan and shape the future.

Regular breaks and ongoing maintenance updates simultaneously ensure the effectiveness of our IT solutions while protecting customers' investments. Only satisfied and successful customers help them to reach their most important strategic goal: to maintain and expand their corporate success and their financial and economic independence.

1.4.2 Corporate divisions:

Aveneur solutions is under IT divisions.

1.4.3 Details of the product lines or services

Design: Visual service

Their designing team of creative minds explore new ideologies through the challenges our clients provide us. We use various visualization tools like the ones provided by Adobe Creative Suite to meet the need of our clients.

Develop:

At Aveneur, they provide high quality Software's and Solutions through Test Automation, Quality Assurance and Agile Processes. Their success in Software/Application development is achieved through effective collaboration between the Stakeholders. They tackle any changes made through our effective set of Procedures to overcome the challenges in an organized way. They encourage external participants to review our projects to bring out a diverse perspective of the software to ensure quality.

They Use HTML, CSS, JavaScript, React, Typescript, Dotnet core and Flutter.

Innovation:

- Business consultancy
- Security System
- Cloud Migration
- Data Mining
- AI Chatbot Integration
- IOT Services
- Company Training & Certifications

Chapter 2

Literature Review

Literary Review is a scholarly paper that presents current knowledge, including theoretical and methodological contributions to a particular subject, as well as specific research. Conducting a writing audit includes collecting, evaluating, and analyzing distributions related to you that ask you questions. Literary review is the study of scholarly sources on a particular subject. It allows you to identify relevant theories, methods and gaps of current research, providing an overview of current knowledge. The literature review strategy is an examination of data on particular subject. It is looking into what is known, and not what is expected. It points to form the ultimate, exact representation of the knowledge and research-based hypothesis accessible theme. This strategy is aiming to be utilized due to require of gathering and preparing hypothetical base. I am aiming to utilize diverse books and articles too other sources like instructional exercises, gatherings and related program.

2.1 Undergraduate Courses related to the Project:

As I am student of Independent University, Bangladesh in the department of computer science. I completed all off my course then offered by my University. The course and syllabus in a very efficient way which helped me a lot to accomplish my project. Database management system, Web application, Mobile application, System analysis and design, Software Engineering, Software Quality and testing, C++, Java, data Structure all of

these courses helped me to documented and implemented my task in internship program.

2.2 Related Works:

Programming – To build the mobile applications I need to program. In University I learn different programming language like java, C++, Python. That helps to understand Dart language. I think every language is similar.

Structuring Data – A project has lots of different categories data which need to be structured properly. In this project, Data Structure and Database management system courses' knowledge helps me to structure this project data in well manner.

Algorithmic programming – To implement any logic need to choose write approach which also called efficient Algorithm. The knowledge of Algorithms course is applied here.

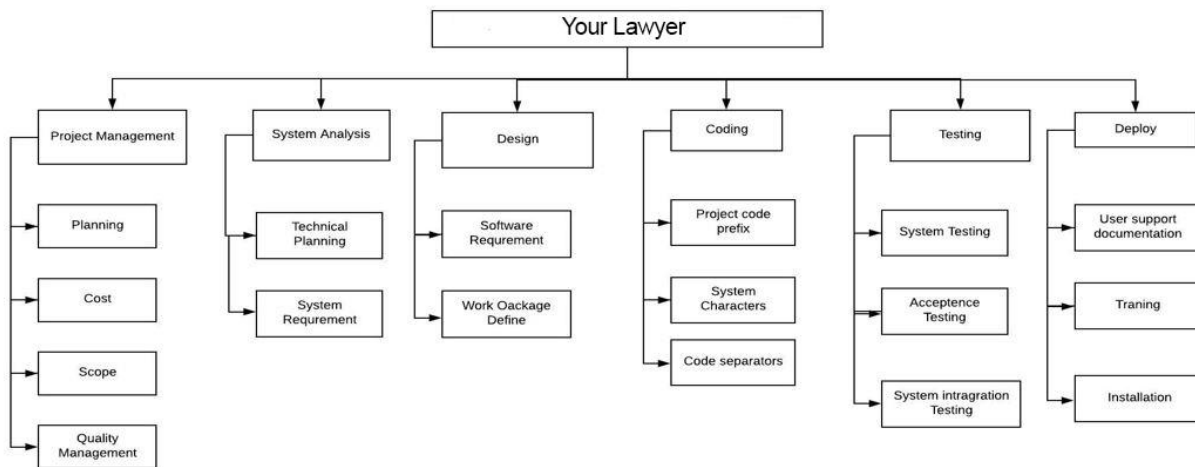
Project Management – To complete any project needs a proper management in workloads. The knowledge of Software engineering course is applied here. I learn also software marketing in this course. That's helps me a lot to manage project.

System Analysis – Every system needs to be analysis. Hence, the knowledge of System Analysis and design is applied here.

Chapter 3

Project Management

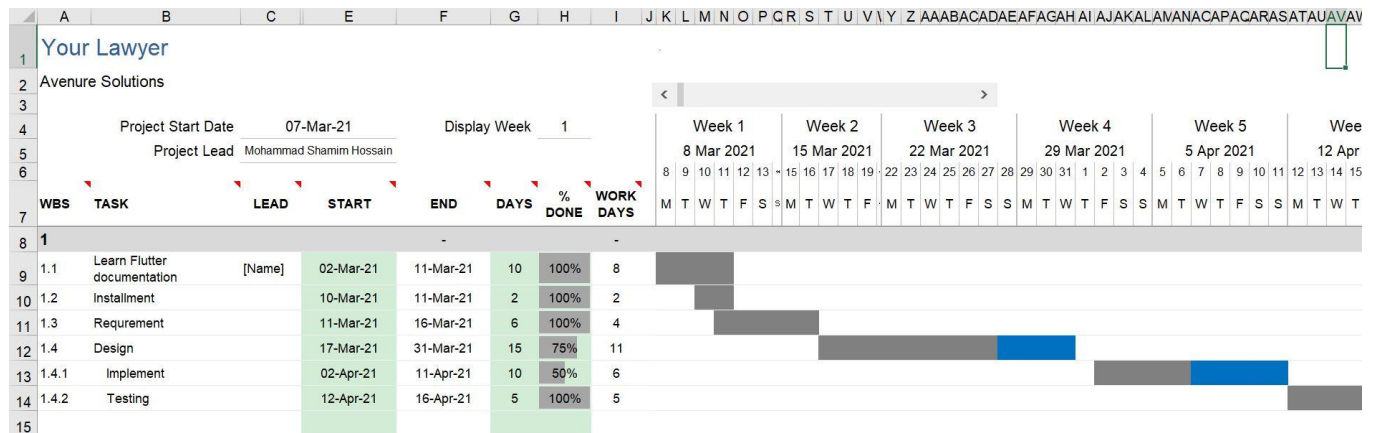
3.1 Work Breakdown Structure



3.1 Activity wise days of work distribution

Activity wise days of work distribution			
		Expected days	Considered Days
Project Management	10%	8.8	9
System Analysis	20%	17.6	18
Desing	15%	13.2	13
Coding	30%	26.4	26
Testing	15%	13.2	13
Implementation and Deployment	10%	8.8	9
	100%		

3.3 Gantt Chart



Chapter 4

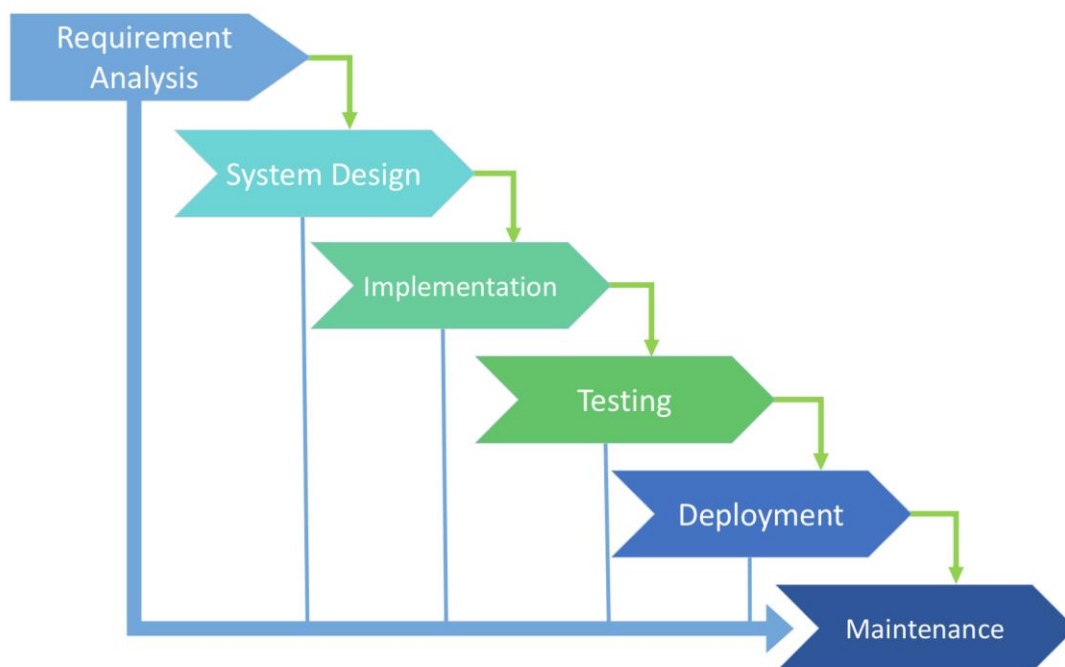
Methodology

4.1 SYSTEM DEVELOPMENT METHODOLOGY (SDLC):

One of the primary concepts of the software development process is the SDLC model which refers to the software development life cycle models. SDLC - an uninterrupted process, which begins at the moment of the decision to launch the project and ends at the moment of complete removal from exploitation. There is no single SDLC model. They are divided into each major group with their characteristics and weaknesses.

4.1.1 Waterfall Model:

Waterfall - a cascade SDLC model, so that the development process looks like a flow, proceeding step by step in the stages of analysis, project, implementation, testing, implementation and support. This SDLC model includes the complete gradual implementation of each phase. This process is strictly documented and predetermined with the expected features in each phase of the life cycle model of this software development.



4.1.1.1 Feasibility study:

We study to understand the problems experienced through interviews, observations, participation, etc. We use the information obtained to determine the reality of the proposed system in terms of technical, economic and social possibilities.

4.1.1.2 Design

We design user interfaces and databases. It is at this stage that we have identified any errors before moving on to the next stage. The output at this stage is the design specification which is used in the next stage of application.

4.1.1.4 Coding:

At this point I start coding my part then submit it to GitHub. The output of this step is that the components of one or more products are built according to pre-defined coding standards and are debugged, tested and integrated to meet system architecture requirements.

4.1.1.5 Testing:

At this stage, we will ensure that both individual and integrated are flawless and regularly verified to meet customer requirements. We will involve both unit testing of individual code modules, system testing of integrated products, and acceptance testing by or through the customer. We will ensure that the received bugs are corrected before proceeding to the next stage.

4.1.1.6 Installation:

In this state I install this application then check the functionalities.

4.1.1.8 Benefits of waterfall model:

The advantages of waterfall development allow it to be categorized and controlled. A product can be defined by setting a deadline at each stage of development and a product development process model can be phased out one by one.

The development goes from concept to design, implementation, testing, installation, problem solving and ends in management and maintenance. Each stage of development proceeds in strict order. Some of the major advantages of the waterfall model are: –

- Simple and easy to understand and use
- Easy to manage due to the rigidity of the model. Each stage has a specific distributable and a review process.
- Phases are processed and completed one at a time.
- Works well for smaller projects where requirements are very well understood.
- Clearly defined stages.
- Well understood milestones.
- Easy to arrange tasks.
- Process and results are well documented.

4.2.2 Functional Requirements:

This section describes the various functionality requirements of the system in order to consider the features / attributes that the system may provide.

1. Login for Admin (by Admin)
2. Registration of Lawyer (by Admin)
3. Update details of Lawyers (by Admin)
4. Delete Lawyer (by Admin)
5. Login for Lawyer (by Lawyer)
6. Registration of Clients (by Lawyer)
7. Update details of Clients (by Lawyer)
8. Delete Client (by Lawyer)
9. Add case details of Clients (by Lawyer)
10. Update case details of Clients (by Lawyer)
11. Delete Cases of Clients (by Lawyer)
12. Login for Client (by Client)
13. View/ Download Case Details (by Client)
14. Registration as Visitor of Website (New User)
15. Finding Lawyers (by a registered Visitor)

After being logged in, an admin in this project can make the entries of the lawyers who register with the apps, can update details of lawyers or delete a lawyer. After a lawyer is registered, he can further carry out his tasks with his clients. The first time a lawyer registers himself, he gets an ID and password from the administrator that he uses during the period.

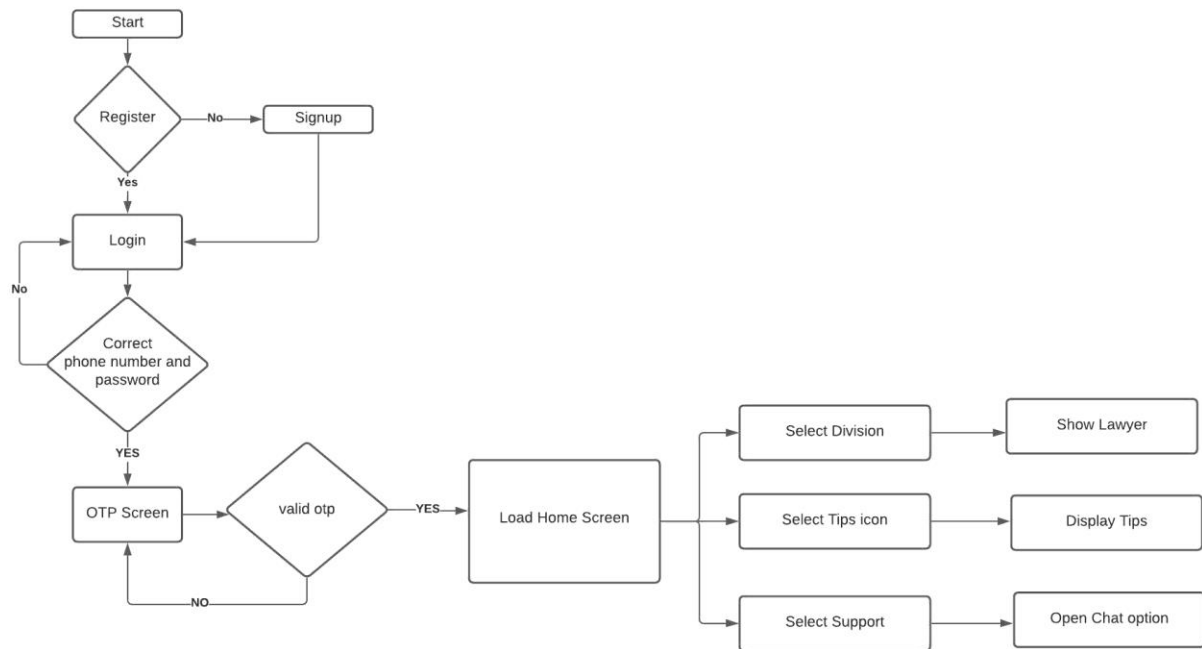
After being logged in, a lawyer can register his clients, update client's details, delete a client and can store all the case details of his clients in the database. He has previous details of the case which can help him plan for further

evaluation of the case. Accidentally completed cases (due to withdrawal, death, etc.), or those that have been resolved by him are also stored in the database which he can use as a reference for future cases. A lawyer can also update the case details of his clients and delete some if desired. After being logged in, a client can see his case details and all the transactions carried out during the case. He can also find out new lawyers through this apps. New visitors can't visit this apps.

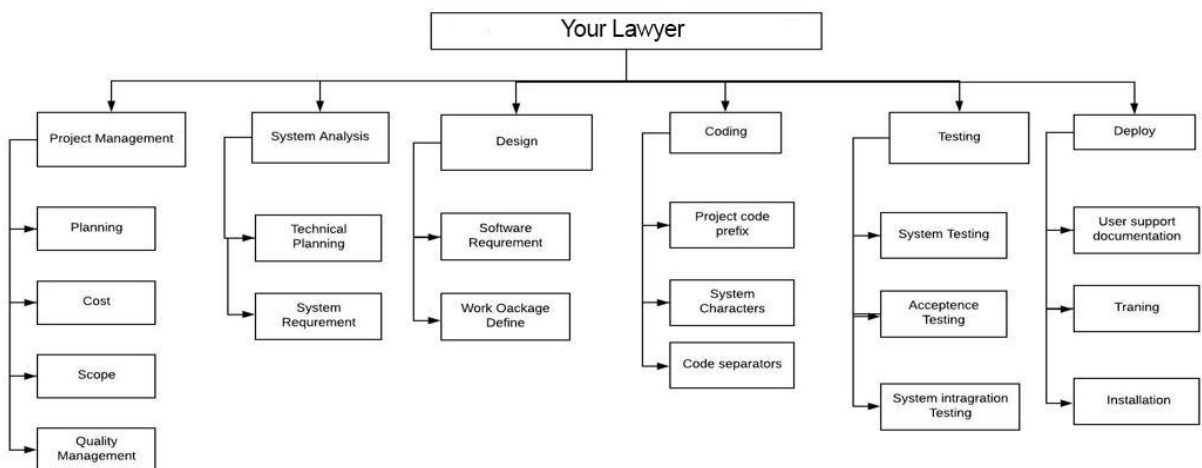
4.2.3 Non-functional Requirements (NFR):

1. The system should not disclose any private information or message to anyone else.
2. The system will have backup server.
4. User must have easy password accessible to the system.
5. The system will have bug report system for user.
6. The system should have two step authentications for login.
7. The system will have small development working on solving bugs reported by the user.

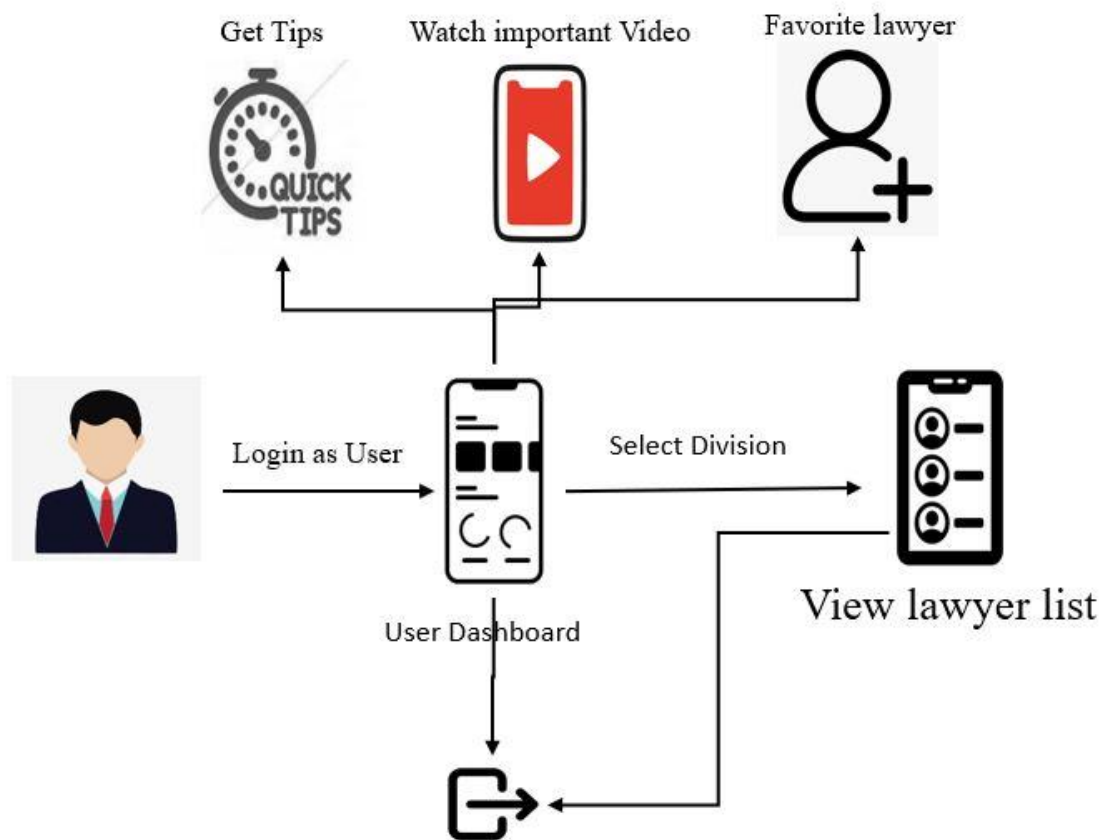
4.2.4 Data Flow Diagram:



4.2.5 Use Case Diagram:



4.2.6 Rich Picture



4.3 Design:

At this stage we will create an overall design of the system architecture and physical design that includes the user interface and database design. It is at this stage that I will detect any errors before moving on to the next stage. The output at this stage is the design specification which is used in the next stage of application.

Chapter 5

Internship experience & observation details

In Aveneur Solutions I have worked as a full stack software developer. During my internship program my work performance was an important issue for the organization as well as for me. Performing perfectly was a challenging task for me. The first month of the three-month internship period was my training period. My studies in the first month were perfect for working in the field. From the second month I started doing office work as well as field work. I have managed an average of 10-14 days of work per month as a new employee for any IT firm. This is an impressive company. My supervisor is very satisfied with my work and depending on me he hired five new developers in the firm to work on time and efficiently. . My work also lacked something.

5.1 Job responsibilities:

As already mentioned, the company caters to the needs of clients in three main areas, namely website development services, software development services and mobile development services. I was immersed in mobile development services. My role was as an Android application developer. Under this role, I will work in a group of two to develop two applications that can be run on Android phones. The domain selected by my group was Application Development.

For the first two weeks, we were created to learn / master the coding techniques of developing Android applications related to our scheduled work. During this time, we were assisted a lot by our consultants at the firm. Then, we were handed the actual application to develop for the next four weeks.

The reason for choosing to develop an Android app is that the field provides plenty of scope. Android development tools are open source and so one can fully develop as an Android programmer. Another reason is that the field is relatively new to the industry and the trends show that there is a huge need for Android programmers in the market. Yet, another reason is that programmers can easily market their products in the Android app market and earn quite a good support income.

Chapter 6

Project as Engineering Problem Analysis

6.1 Sustainability of the Project/Work

Nowadays, most classes of people in Bangladesh use smartphones intensely. Smartphones and the internet make people's lives easier. People are now looking for a simple solution to every situation that reduces the hassle of everyday life. Thus, people become more dependent on online based solutions. Growth and analysis suggest that usage will increase further in the future. With this change in the social environment, it is safe to believe that the system is highly sustainable. It is very likely that in the near future people will be more interested in meeting their daily needs through online activities. The app advocates such changes by securing stability.

6.2 Social and Environmental Effects and Analysis

We all know how a busy life leads a lawyer with a strict schedule. They can't make any plans properly for their tight schedule. If they had known earlier, how many clients were coming, what was the appointment deadline, they could have used their time more efficiently. They can make the right plans for their personal lives according to the schedule. The most important effect of the legal system at the social level is its time-saving quality. Time is precious and valuable and the use of this application saves the life of the user. At the individual level, the effect has great positive results. The application also has a positive impact on the environment. It will make our environment clean and polluted.

6.3 Addressing Ethics and Ethical Issues

There are no ethical threats or risks to the appointment system. Clint and attorneys are required to provide some general information during their registration. The client needs to provide some basic information for their appointment. All this data is stored securely and securely in the database.

Only users registered with authentication can access the information. The confidentiality of information is strictly maintained.

Chapter 7

Internship outcome & issue analysis

7.1 Problems & challenges faced in the workplace:

During Internship period in Avenours Solutions. Those challenges were new for me. When I selected for viva. I was little nervous in this time. But when I talked to the CEO of the company, I feel confident. When I hear that they are also working on android applications development. I interested on it. Because they use flutter framework for build android app. First few days I have faced some challenges. But I have taken this challenging time as a lesson of my life. These difficult situations and new experiences will help me to sustain in the corporate world in future.

In my opinion 3 months are not proper for adapt and understand the overall work flow and operations of a company which is involved with so many different projects and different department. For lockdown our office in closed since last of April. In this time, we work from home. It was little challenging but we done us in online. In this case we use Discord and google classroom for meeting. Is was less time consuming but some problem was there.

It was very difficult for me to maintain work progress as like as other team members. Since they are very experienced and good at their work. I had to work like a full-time employee as my office time was 9:30 am to 5:30 pm.

Since I don't have any experience that's why it was challenging for me but I enjoy it.

My work skill has improved day by day. My supervisor Mr Ashikur Rahman Rohan helps me a lot to know the working environment. In free time I learn flutter from online. When I face a problem instantly I discuss with my supervisor. That helps a lot to learn Flutter.

7.2 Analyzing of the issue(s) based on relevant theory:

Object Oriented Programming (OOP)

Procedural programming is about the method or method of composing activities in data, while object-oriented programming is about creating both data and methods. Object-oriented programming has several advantages over procedural programming:

OOP is faster and easier to execute and it provides a clear structure for the programs. OOP helps to keep the Flutter code DRY "Don't Repeat Yourself", and makes the code easier to maintain, modify and debug. OOP makes it possible to create reusable applications with less code and shorter development time.

Software Engineering:

Software engineering analyzes user needs and then defines design, building, and experimental software applications that will meet those needs. This course has helped me to understand the working method, project as product, designing and testing. Database Management: A database management system that creates a course that organizes data into a

database. The functions of a DBMS include compliance, protection, backup and restore, integrity and data details. Knowledge of the database helps me to efficiently store, filter, manage and organize data.

System Analysis and Design:

Works with information system development plans by understanding in detail what a system should do and how system components should be applied and worked together through system analysis and design. During my internship the systems analysis and design course helped me to prepare business plan requirements, various diagrams.

Database Management:

A database management system is a course that is going to organize data into a database. The functions of a DBMS include compliance, protection, backup and restore, integrity and data details. Knowledge of the database helps me to efficiently store, filter, manage and organize data.

Web Application and internet:

Web applications and the Internet work with basic backgrounds, terminology, basic concepts, and hands-on experience with a variety of technologies needed to create modern full-stack web applications. Although originally conceived as a vehicle for providing World Wide Web documents, it is now being used as a platform for sophisticated interactive applications. Applications that provide instant access, automatic upgrades, and large-scale collaboration. Creating full stack web applications requires a different approach than conventional applications and involves the integration of numerous technologies.

Data Structure:

In computer science, a data structure is a data organization, management and storage format that enables access and change. The knowledge of this course helped me a lot to understand the effective way of the storage format for easy access for the user.

7.3 Recommendation:

After completing the internship in Avenour solutions I have some recommendation for this training and development in this company. These are

- **Promotional activities:** Although they work with so many projects and that is more than enough for this organization. Yet my proposal will be more focused on promotional activities.
- **Emphasize training as an investment:** Although initial costs may seem high, stress within your organization that training is a long-term investment in your employee development.
- **Maintenance of the systems:** Since Avenour work for many systems for their operation and clients, so they need watchful maintenance of the systems by the responsible management.
- **Maintain standard quality of products:** They should maintain standard quality of products and services.
- **Target your needs:** Identify the specific skills you need to improve and the time frame you want to meet your training goals to provide appropriate payback.

- **Encourage a learning culture:** Explain to all employees that your employees care about improving their skills and that each employee - whether trained or not - wants to be competitive within their skill set.
- **Select high-quality instructors:** Ensure that employed trainers are professional trainers and that their materials can serve as valuable resources in the future.
- **Make it a continuous process:** Don't limit your training to new employees, and try to bring in more employees who can benefit from additional training.
- **Track the results:** A training program will not work unless you monitor its progress. Choose a metric like productivity or profit to help determine the return on investment and establish concrete results for your training efforts.

Chapter 8

Conclusion & implication

It has been a great opportunity for me to work as an android app developer during internship at IT department of Aveneur Solutions. This three-month internship program was like a step stone to my carrier within the work advertise. Amid internship I learned numerous vital information almost IT division. The internship program made a difference me to pick up vital information almost how the IT segment forming in our nation. Internship at AS instructed me how to handle distinctive client, later program related advances, regularly utilized advances and best utilized of this innovation. This program gave me a clear thought around proficient life as an android developer, what I must confront and how to handle those circumstances. During internship, I tried to cover my weakness about app development and tried to become a better full stack software developer.

Working on lawyer mobile application our boss gives separate task of our members.

This application helps general people to find a lawyer easily and also in location-based lawyer can easily found. At the same time a lawyer can easily signup and write his/her details so that any kind of people can easily found them. If any customer has any complain they can easily complain in the complaint section.

Bangladesh is a restructured country, which is increasingly feeling its presence in the world forums. Moreover, it is a country that is seen as the next growth center. So, let us be aware that there is a revived Bangladesh, a creative Bangladesh, a walking Bangladesh. I hope IT sector is the next opportunity for Bangladesh.

Chapter 9

References

References

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- Rap Payne, Beginning App Development with Flutter

Chapter 10

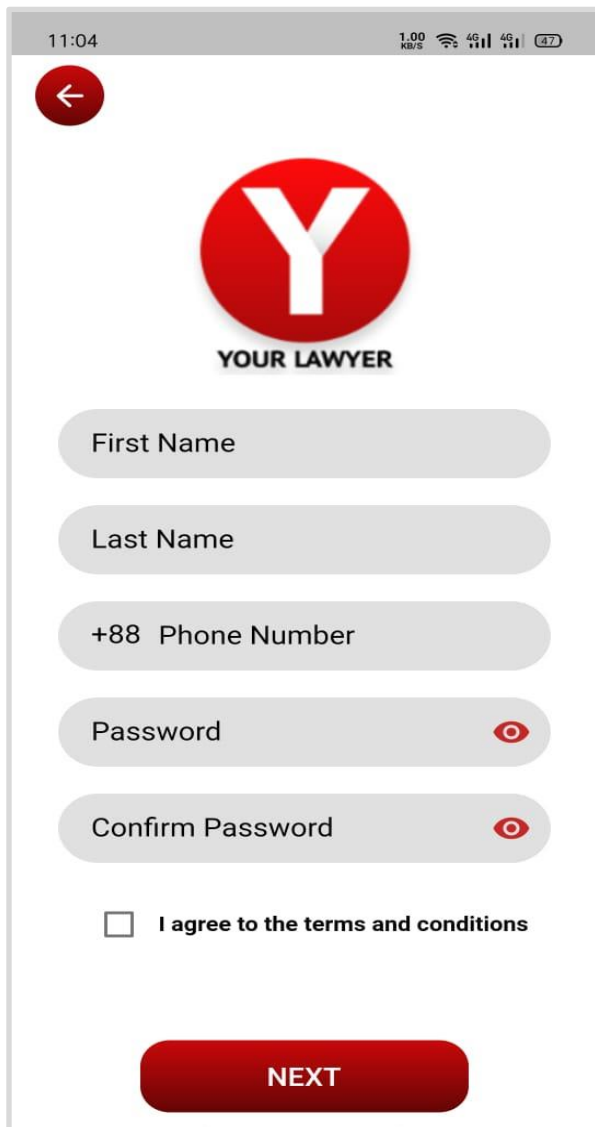
Appendix

Appendix A (Daily Task)

DATE	TASK
28/2/2021	Get internship Offer letter
2/3/2021	Joining day for Aveneur Solutions and familiar with the working environment
7/3/2021	Learn Flutter documentation
10/3/2021	learned about widget, child, container, column, row in flutter
15/03/2021	face some problem and discussed with senior
21/03/2021	Learn Provider package in flutter and A general idea of JWT authentication and its integration with flutter
25/03/2021	Complete first task (Login and Auth in Flutter)
28/03/2021	Starting Project: Read project requirements of "Lawyer App"
4/4/2021	Design UI
6/4/2021	Made Home page of app
8/4/2021	created navigation for pages
11/4/2021	I faced so many errors and problem because of their version change and upgrade, I tried to fix them
13/4/2021	Fix those design and submit for checking
15/4/2021	Read api documentation
18/4/2021	I discussed with senior, they help to learn api documentation
24/4/2021	Complete Homepage backend
6/5/2021	Complete lawyerPage backend
12/5/2021	Submit my work and they merge it with their project
17/5/2021	And They tested it along with our team, gave me feedback. They were satisfied with my work, all the functionality of this app run smoothly


Appendix B

(UI Screenshots)



11:04 1.00 KB/S 4G 4G (4.7)


←



YOUR LAWYER

First Name

Last Name

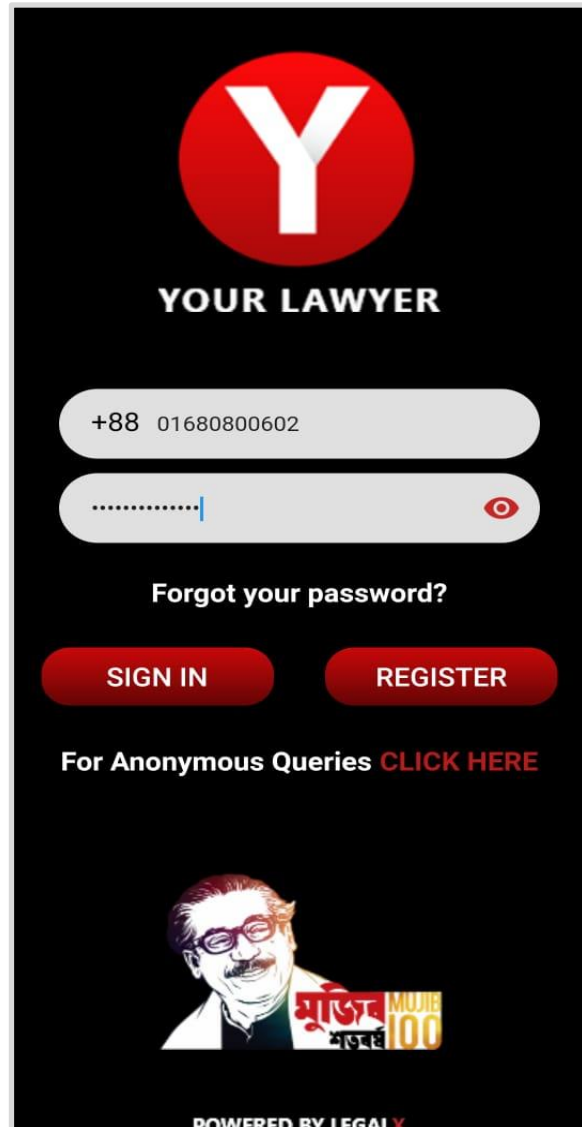
+88 Phone Number


Password 

Confirm Password 


☐ I agree to the terms and conditions

NEXT




YOUR LAWYER


+88 01680800602

..... 

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