



Islington college
(इस्लिंग्टन कलेज)

Final Year Project Proposal

Find your lawyer web app

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Introduction

Crimes are always happening in Nepal whether be small or big incidents. Web-based apps are one technology with the potential to improve access to justice, either by helping lawyers increase the efficiency of service delivery or by reducing the need for recourse to lawyers altogether for some legal needs. Many people face difficulties to find a lawyer. And to solve this difficulty, find your lawyer web application is to be developed. Find your lawyer web application is the web application which will make the manual and cumbersome process of searching for a lawyer, instant. (Taousse, 2016)

Problem Scenario

In case of finding lawyers, people have to travel to law firms in order to find a lawyer, which can be tiring to the people and will be a waste of people's time and energy. Also, most people do not know much about laws and legal services. So, just for a small advice, people rush to the law firm. (2019)

Project as solution

Through this web app, people can choose a lawyer according to their criteria from anywhere. People do not have to travel to seek for a lawyer. Also, as this app contains questionnaire system, people can openly talk about their problems with the lawyers and can get legal advices on the related topic.

Aims and Objectives

The goal of this project is to create a web app in which people can easily contact with lawyers according to their requirements.

The main objectives of this project are:

- To stop problems before they start through legal advices.
- To help lawyers increase the efficiency of service delivery.
- To save money and time as we can hire a lawyer from home too.

Expected Outcomes and Deliverables:

At the end of this project, the outcome is expected to be a user-friendly web application which has features that are easy to use and can present lawyers according to the client's requirements. This web app can provide legal advices to the clients where clients can openly talk about their problems.

Project risks, threat and contingency plans:

With every success, there will always be a threat or a risk in it. Every project is expected to have risks and threats. While doing this project, many risks, countless bug, errors are expected.

The most obvious, and perhaps most significant, issue is that data collected by apps could be vulnerable to collection and misuse by unauthorized third parties (i.e. hackers). This gives

rise to a significant set of privacy and security risks. Another risk is the delivery of legal services by non-lawyers — known as the unauthorized practice of law which is illegal. This problem can be tackled as the lawyers can only be approved and managed by the admin.

Methodology:

For this project, Agile methodology is applied. Agile methodology is a conceptual framework for undertaking software engineering projects. This methodology has adaptive approach that responds to changes favorably and has improved quality by finding and fixing defects quickly and identifying mismatches early. I chose Agile methodology because this methodology helps in fast and quick changes. It makes an easy job for web application development so that the outcome is adaptable after its release. Throughout the process customers save time, money, and have the flexibility to make changes anytime during the development process.

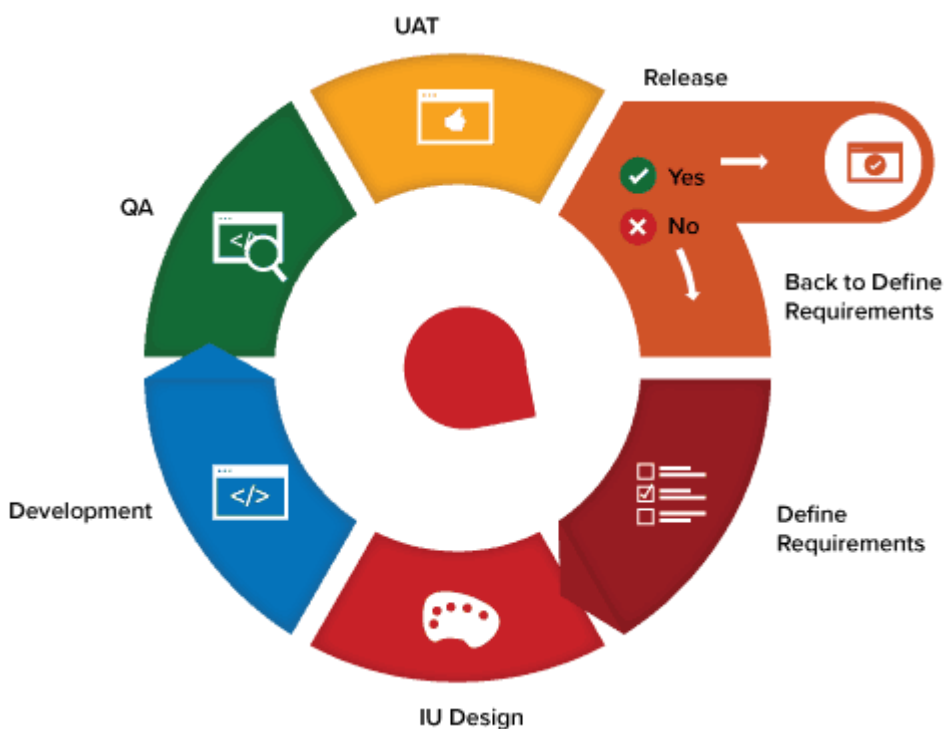


Figure 1: Agile iterative methodology

For this project, agile iteration is going to be used. The Agile software development lifecycle is dominated by the iterative process. Each iteration results in the next piece of the software development puzzle - working software and supporting elements, such as

documentation, available for use by customers - until the final product is complete. Each iteration is usually two to four weeks in length and has a fixed completion time. During an iteration, it is important that the customers and business stakeholders provide feedback to ensure that the features meet their needs.

The Agile team implements the PDCA (Plan, Design, Check, Adjust) cycle on each iteration separately in the following manner:

Plan - Define the requirements for the next iteration based on the product backlog and summarization of the work done.

Design/Execution - Design and develop software based on defined requirements.

Check/Testing - QA (Quality Assurance) testing, internal and external training, documentation development and review the completed work and ascertain whether all criteria have been met.

Adjust - Integrate and deliver the working iteration into production. New problems are identified along with their causes. Before the next cycle begins again, the product backlog is refined for future reference.

The iterations are repeated for optimizations and improvisations and, the lessons learned from previous cycles are applied in the next cycle. The cycle goes on until a fully functional software is ready as the final product.

Resource requirements:

Many requirements are needed to be considered during the developing phase of an application. Some of the basic requirements that are needed for this project are:

Design and Markup

- HTML5, CSS3, JavaScript & jQuery for markup, design and interaction behavior
- Bootstrap will be used for making the site responsive and as a framework.

Server side language

- PHP (Laravel)

Database Software

- MySQL

Hardware Requirements

- Intel Core processor
- RAM 4GB and Above
- HDD 100 GB Hard Disk Space and Above
- 64 or 32 bit OS Windows 8 and above

Features:

1. Registration for customer, admin, as well as Lawyers.
2. Showcasing lawyers with their details.
3. Questionnaire with lawyers.
4. Clients can post their case details on the webpage.
5. Search by lawyer location, lawyer services like criminal, divorce, affidavit, civil, and then schedule a meeting.
6. A customer search will show minimal info of a lawyer related to the service which customer searches, a click on lawyer profile should go to lawyer profile, where in customer can schedule a meeting and book a slot.
7. Lawyers will manage their own schedule.
8. Payment gateway where lawyers will pay for leads.
9. Comment section for lawyers profile page and clients can only comment for their lawyer.

Work Breakdown Structure

Activities	Duration	Description
Research on project	Oct 10 – Nov 14	The research on the related topics for the project will be completed.
System Design	Nov15 – Nov 20	The system of how it looks and all the features in the system will be finalized.
Wireframe Design	Nov 20 – Nov 22	Wireframe design of the system will be designed.
UI Design	Nov 22 – Nov 25	The frontend part of the system will be completed.
Login and registration form for customer, admin and lawyer.	Nov 26 – Dec 1	Login and registration forms with both UI and backend will be completed.
Profile page for the lawyers	Dec 1 – Dec 5	The profile page for lawyers with edit function will be completed.
Search and sort function for lawyers	Dec 5 – Jan 15	The navigation of lawyers with search and sort function will be completed.
Lawyer booking function	Jan 16 – Feb 10	The schedule booking of the lawyers will be completed.

FYP – Find your lawyer web app

Questionnaire function	Feb 10 – Feb 29	The questionnaire with lawyers for legal consultant will be completed.
Payment gateway for lawyers	Feb 30 – March 30	The payment gateway for lawyers for registration will be completed.
Documentation	April 1 – April 30	Report writing will be completed.

Table 1: Work Breakdown for agile iterative development

Milestones

- ❖ Login and registration form (Nov 26 – Dec 1)
- ❖ Lawyer profile (Dec 1 – Dec 5)
- ❖ Navigation bar for lawyers (Dec 5 – Jan 15)
- ❖ Lawyer booking function (Jan 16 – Feb 10)
- ❖ Questionnaire with lawyers (Feb 10 – Feb 29)
- ❖ Payment gateway (Feb 30 – March 30)

Gantt Chart

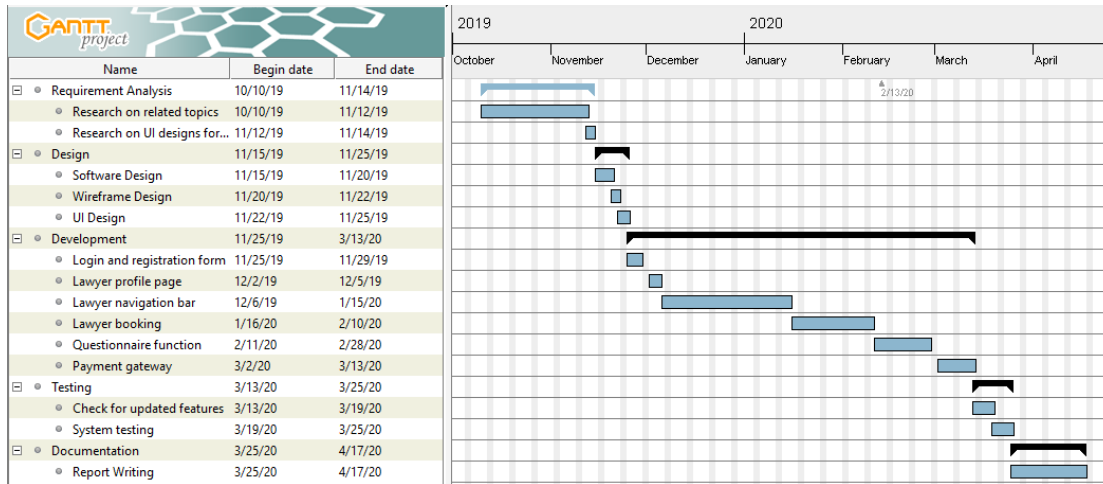


Figure 2: Gantt Chart

Conclusion

In conclusion, find your lawyer web app is a helpful application which can help people solve their legal problems in a single click. This web app helps lawyers increase the status and exposure of their ability to more audience. Also, through this application, people can find lawyers according to their requirements and conditions from anywhere.

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