

AdvoAdvice

Under the supervision of

Dr. Deepti Chopra

by

Aryan Gupta, 04517711922

Harsh Sharma, 00717708423

Saumya Giri, 00917708423

Akanksha Sharma, 01117708423

School of Engineering & Technology

Vivekananda Institute of Professional Studies – Technical Campus Pitampura, Delhi - 110034

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Introduction

AdvoAdvice is an innovative web-based platform designed to streamline legal processes and make legal services more accessible. Through this online platform, users have the ability to transform complex legal documents into easily understandable language that caters to the needs of the general public. Additionally, users can seek clarification on legal matters and constitutional questions through interactive chatbot functionality.

This technology revolutionizes the way individuals interact with legal documentation, offering a simplified approach to understanding complex legal jargon. By providing a user-friendly interface, AdvoAdvice empowers users to navigate legal processes with confidence and clarity. Whether converting intricate legal documents into layman's terms or seeking answers to legal inquiries, the platform's comprehensive features cater to a wide range of legal needs.

Furthermore, the incorporation of a chatbot enhances user experience by offering real-time responses to questions related to law and constitution. This interactive feature serves as a valuable resource for users seeking immediate guidance on legal matters, ensuring timely and accurate assistance.

In essence, AdvoAdvice represents a transformative solution in the legal technology landscape, bridging the gap between legal expertise and everyday users. By leveraging the power of web-based technology and intuitive design, the platform facilitates greater accessibility and understanding of legal processes, empowering individuals to navigate the complexities of the legal system with ease.

Problem Statement

Developing a website that facilitates a platform from where the users can convert their legal documents to layman language and also, they can get solution to the question that are related to law and constitution.

Feasibility Study

Hardware and Software Requirements

**Client Side:**

|  |  |
| --- | --- |
| **RAM RAMfgdfRA RAM** | 512 MB |
|  |  |
| **Hard disk** | 10 GB |
|  |  |
| **Processor** | 1.0 GHz |
|  |  |

**Server side:**

|  |  |
| --- | --- |
| **RAM** | **1 GB** |
| **Hard disk** | **20 GB** |
| **Processor** | **2.0 GHz** |

**Software Requirement:**

**Client Side:**

|  |  |
| --- | --- |
| **Web Browser** | Google Chrome or any compatible browser |
| **Operating System** | Windows or any equivalent OS |

**Server Side:**

|  |  |
| --- | --- |
| **Web Server** | AWS |
| **Server-side Language** | Python 3.12 |
| **Database Server** | MYSQL |
| **Web Browser** | Google Chrome or any compatible browser |
| **Operating System** | Windows or any equivalent OS |

* Front End

*“The layer above the back end is the front end and it includes all software or hardware that is part of a user interface Human or digital users interact directly with various aspects of the front end of a program, including user-entered data, buttons, programs, websites and other features.” [1]*

For developing the front end of the website, we are using the following software’s:

* HTML
* “*The HyperText Markup Language or HTML is the standard*[*markup language*](https://en.wikipedia.org/wiki/Markup_language)*for documents designed to be displayed in a*[*web browser*](https://en.wikipedia.org/wiki/Web_browser)*. It can be assisted by technologies such as*[*Cascading Style Sheets*](https://en.wikipedia.org/wiki/Cascading_Style_Sheets)*(CSS) and*[*scripting languages*](https://en.wikipedia.org/wiki/Scripting_language)*such as*[*JavaScript*](https://en.wikipedia.org/wiki/JavaScript)*.”[2]*
* *Here, we are using HTML to describe the structure of our webpages.*
* CSS
* *“Cascading Style Sheets (CSS) is a*[*style sheet language*](https://en.wikipedia.org/wiki/Style_sheet_language)*used for describing the*[*presentation*](https://en.wikipedia.org/wiki/Presentation_semantics)*of a document written in a*[*markup language*](https://en.wikipedia.org/wiki/Markup_language)*such as*[*HTML*](https://en.wikipedia.org/wiki/HTML)*or*[*XML*](https://en.wikipedia.org/wiki/XML)*”[3]*
* *Here, we are using HTML to style our webpage, layout in display for different screen sizes of the devices.*
* Javascript
* *“JavaScript is a dynamic programming language that's used for web development, in web applications. It allows you to implement dynamic features on web pages that cannot be done with only HTML and CSS.”[8]*
* Here in this website we are using JavaScript to enable the dynamic interactivity on the websites when it is applied to HTML document.
* Back End

*“The back- end of a website consists of a server, an application, and a database.”[4]*

* MYSQL

*MYSQL is a database server.*

*MYSQL is ideal for both small and large applications.*

*MYSQL supports standard SQL.*

*MYSQL compiles on several platforms.*

*MYSQL is free to download and use.*

* Django Rest Framework

DRF is used to create RESTful API’s based on Django models.

* NLTK
* TensorFlow
* Scikit-Learn

References

[1] <https://www.techtarget.com/whatis/definition/front-end#:~:text=The%20layer%20above%20the%20back,programs%2C%20websites%20and%20other%20features>.

[2] <https://en.wikipedia.org/wiki/HTML>

[3] <https://en.wikipedia.org/wiki/CSS>

[4] <https://www.udacity.com/blog/2020/12/front-end-vs-back-end-vs-full-stack-web-developers.html#:~:text=The%20back%2D%20end%20of%20a,exist%20in%20the%20first%20place>.

[8] <https://www.freecodecamp.org/news/what-is-javascript-definition-of-js/>

Guidelines for Preparing Synopsis

**Normal Body Text:** Font Size: 12, Times New Roman, 1.5 Line Spacing,

**Paragraph Heading:** Font Size**:** 14, Times New Roman

**Chapter Heading:** Font Size: 16, Times New Roman, Centre Aligned

**Reference:** All the references should be arranged alphabetically or serially as the case may be for quoting in the text.

**For Journals:**

Kerr, G.T. :Survey of data ware house tools; **International Journal of Databases.**, ISSN : 2012- 3034; April 2010, vol.73, no.3 pp1385- 1386.

**For Conferences:**

Garside, J. et-al; Proposed Automation tool for Bug Localization; **IEEE conference on software Engineering**., China,2102, vol. 40, no.2, pp. 3-16.

**For books:**

**For Links:**

MeCabe and Smith; **Handbook on networks**; 4th ed., TMH, pp.812- 814.

Complete link should be given.