



**INFORMATICS
INSTITUTE OF
TECHNOLOGY**

Informatics Institute of Technology
Department of Computing

Bsc(Hons) Artificial Intelligence and Data Science

Module: CM1605 Web Technology

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Group Coursework Report

Tutorial Group : A

Coursework Group No : 8

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1. Acknowledgement

2. Introduction

Topic Chosen: Legal Assistant Application

We chose the topic of legal assistant application. The website is called Valor Administration, which indicates that it is designed to help its users achieve victory in their legal proceedings. It provides a variety of benefits along with that guidance.

The Content of the Website:

A Presentation	Sign-up & Log-in Form	Feedback Form
Main Page	Shop Page	Cart Page
Services List Page	Quiz Page	Gallery Page
User Customization	About Us Page	Editor's Page
Newsletter Sign-up Form		

Members:

• Damitha Weerasinghe	2236765	Student 01
• Gouri Medhavi	2237943	Student 02
• Namitha Eshan	2122106	Student 03

3. Research on existing systems

We needed to undertake research on various law firm websites to acquire a better idea of the task at hand. The primary websites we resorted to were Sidley law firm, Varnes law firm and Kirkland & Ellis, which presented us with many elements of Law and appropriate layouts to incorporate into our own website.

- **Sidley Law Firm (<https://www.sidley.com/en/global/>)**

This website makes it easier for the user to traverse the website. It employed a well-contrast color theme and a UI design, which helped us to differentiate between what is appropriate for a legal practice website and what is not.

Special Features:

- Fixed Sidebar – The fixed sidebar contained the most important pages of the site which leads its user to the right place.
- News Forum – Eye catching layout which shows the latest news of the law firm.
- Careers – Simple UI design that highlights the most crucial information as needed.

- **Varnes Law Firm (<https://www.varners.law/>)**

This website has an eye-catching homepage with a fantastic color scheme. The website Assisted us in organizing our website and pathways. We took a few concepts from this website and created it our own.

Special Features:

- Hover animation – This site contains unique hover animations.
- Topic Highlights – A unique approach to spotlighting key points which led us to trust the company as a law firm/
- Loader – An attractive loader with the firm's logo.

- **Kirkland & Ellis Law Firm (<https://www.kirkland.com/>)**

This was the most professional website we discovered. It has a good pledge that aims to assist those in need. This webpage led us down the appropriate route.

Special Features:

- Home page – One page website highlighting key features.
- News Page- Off canvas page to showcase the latest site news.
- Menu – Off canvas sidebar with a fade in animation to showcase the other pages

4. Technical Discussion

- **Damitha Weerasinghe - Student 1**

- Presentation Page

- Sign-up Page
- Gallery
- Page Editors Page

- **Gouri Medhavi - Student 2**
 - The Main Page
 - Navigation
 - Feedback Form
 - The Quiz
 - Page Editors Page

- **Namitha Eshan - Student 3**
 - Shop
 - Cart
 - Order History
 - Font Size
 - About Us
 - Page Editors Page

- **Student 4**
 - Leaderboard
 - Favorite Page
 - Newsletter Forum
 - Page Editors Page

5. Discussion of UX/UI principles/Applications/Justifications

5.1 Navigation Techniques

We utilized two navigation bars on our website. The fixed side bar, the standard top horizontal menu and the footer which holds the site's main content as well as the elements of the horizontal menu. We have used the side bar to offer an extra degree of organization and hierarchy. It comprises the site's primary aspects.

- **Fixed Side Bar**
- **The standard Horizontal Menu**
- **Footer**

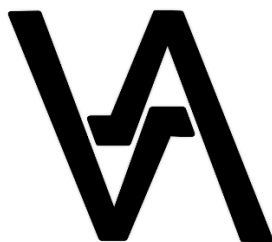
5.2 Color balance/selection/consistency

Most of the site's background is images in tones of blue, black and white. Images consisting Darker shades of brown and black are used as backgrounds for Home, login, signup, Attorney's Information and quiz pages.

The horizontal menu and footer are drawn to prominence by placing white lettering on a deeper blue background.

The side bar stands out because of the distinctive light blue we picked as the backdrop color, as well as the black lettering accentuated on it.

Using a basic style, the emblem was designed to represent elegance and professionalism. The emblem combines the initials "V" and "A," which stand for "Valor Administration." Our goal was to draw attention to the Emblem in the sidebar. We have made the logo in the PNG format for ease of use.



5.3 Color Contrast Test

In researching Law Firms, we discovered that hues of blue, gold, and purple were commonly utilized as font colors, while white backgrounds were the most common among the websites. We used that as inspiration to choose our theme. We picked blue to signify elegance, intellect, independence, inspiration, trust, and loyalty.

Light blue – Individuality, peacefulness and eye-catching. It promotes reliability and feelings of tranquility.

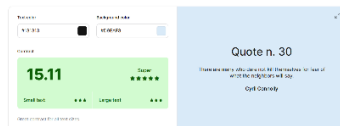
Dark blue hues -. It conveys elegance, authority, and intellect. It guides the user to the information they require.

The color combination test results

- The horizontal top menu.

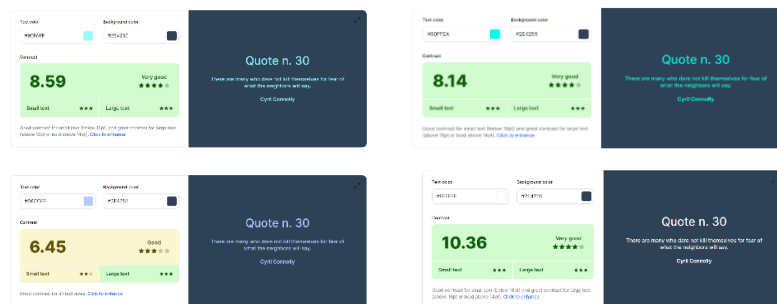


- The side bar.



- The Footer.

The color combinations we used to differentiate and highlight the important aspects are provided below.



5.4 Typography /consistency

The Fonts we mainly used in our website are Oswald and Source sans pro. We chose these fonts to have a unique approach to the website. We considered it was important to use a unique font family so the users would focus on the content.

5.5 Accessibility

What are the HTML accessibility techniques used in developing websites? Relate to following categories, Provide the code snippets related to each category.

- Text Accessibility Techniques

We mostly used visuals to deliver information to the user and only used words where it was absolutely essential. This allows a larger audience to appreciate our website. To create an outline for the page, we utilized headings and subheadings. We kept the headings the same. This aided in organizing the page such that it is easily intelligible to non-visual users, including search engines, and easy to navigate for screen reader users. I utilized horizontal rulers to easily distinguish between various paragraphs and left enough space between lines and blocks of text. This allows many people to track text horizontally and makes content simpler to read in general.

- Image Accessibility Techniques

We utilized alternate text for each picture using the alt tag, so that if the images are unavailable, the text explaining the missing image would be displayed instead of the broken image indicator that is generally displayed in such circumstances.

- Table Accessibility Techniques

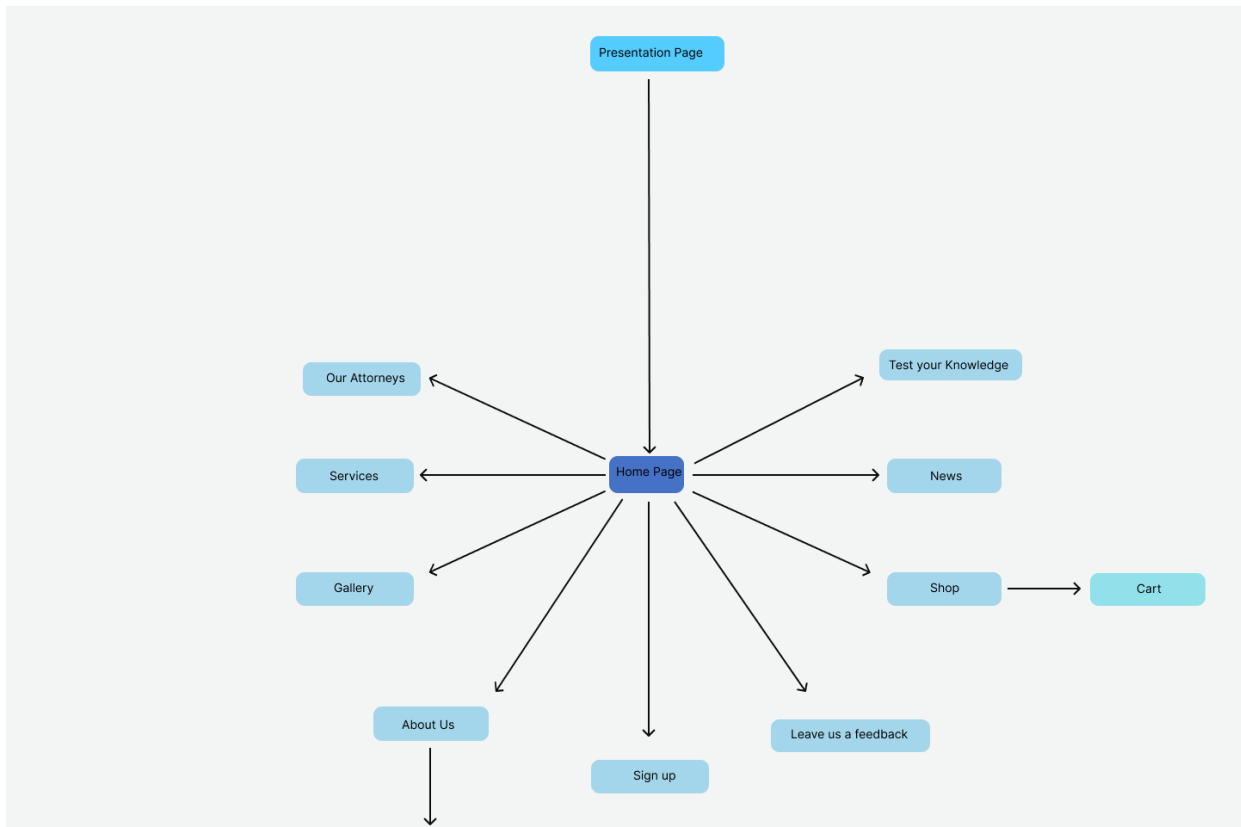
- Form Accessibility Techniques

To improve accessibility, we utilized label tags surrounding input tags in all of the forms we designed for our website.

5.6 Accessibility Test

This section should include a Test Report taken from the Accessibility Tool of any **TWO** web pages your website.

5.7 Site Diagram



6. Self-Reflection

♦ **Damitha Weerasinghe** — **Student 1**

Our team did an excellent job of bringing our website to life. Even though we had various obstacles in accomplishing our goals, such as having just two members at first, then needing to come to terms with our newly recruited member, and other coursework due dates being extremely near to this given deadline.

As a result, we had to fulfill all the deadlines by doing a large amount of coursework. When the website began to take shape, we realized that our old methods of working alone and then merging would not work. As a result, we started holding

frequent meetings on Discord to work on this project together. We were delighted that we were competent enough to finish all our assignments simultaneously.

♦ **Gouri Medhavi** – **Student 2**

I tried to get together with my regular colleagues when the coursework was issued, but we were not meant to mix groups A and B in this coursework. Thus, it was too late to find collaborators for this project. My colleague and I began the coursework by splitting the four parts amongst us. The burden, combined with other coursework, was straining us.

We were startled when a new member was introduced three days before the submission. Even though it was difficult to rearrange everything and incorporate his recommendations into the project given the short time we had left and the hectic schedule, we were able to create a beautiful website. I admire my colleagues'`

willingness to tolerate my absurd suggestions. This was a last-minute collaboration, but it was the sweetest. The teamwork was immaculate, and we all persevered in achieving the task at hand.

♦ **Namitha Eshan** – **Student 3**

My experience working on the Web Technology coursework was filled with challenges and obstacles, but ultimately, it taught me important lessons about communication, time management, and teamwork. One of the main difficulties I faced was due to a miscommunication with management, which added additional stress to an already demanding workload. Balancing both past and current coursework simultaneously was a hectic and overwhelming experience, and I struggled to stay organized and focused at times.

Furthermore, the fact that we were a group of only three students working on a project meant for four was an added challenge. However, I am grateful that I was able to find a team that was able to overcome these obstacles and bring our website to life. Through frequent meetings and effective planning, we were able to stay on track and ensure that everyone was contributing equally to the project. It was a valuable lesson in effective communication and teamwork, and I am thankful for the experience.

Ultimately, despite the challenges, we were able to finish the coursework on

time and I am proud of the work that we were able to accomplish. This experience has taught me important skills that I will carry with me throughout my academic and professional career.

7. References

- UI/UX References

Lawrato - <https://lawrato.com/>

Pathlegal - <https://lk.pathlegal.com/>

Rocketlawyer - <https://www.rocketlawyer.com/legal-advice>

LegalKart - <https://www.legalkart.com/>

Panther - <https://lawconsult.pantherapp.co/>

LegalShield - <https://www.legalshield.com/#open/>

Legalzoom - <https://www.legalzoom.com/country/lk>

Varners - <https://www.varners.law/>

Lambadarios - <https://www.lambadarioslaw.gr/>

Bsflp - <https://www.bsflp.com/>

Juris - <https://arbitrationlaw.com/profile/harish-n-salve>

Legal500 - <https://www.legal500.com/c/sri-lanka/intellectual-property/>

Whitecase - <https://www.whitecase.com/>

Kirkland & Ellis - <https://www.kirkland.com/>

Sidley - <https://www.sidley.com/en/global/>