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TE Comps
Batch B

ITL Experiment 3

Aim: Design UX for a given problem definition by using open source UX tools.

Tool: Wordpress

Theory:

Content Management System(CMS):
A content management system (CMS) is an application that is used to manage web content, allowing multiple contributors to create, edit and publish. Content in a CMS is typically stored in a database and displayed in a presentation layer based on a set of templates.

The following are the basic features of a CMS:

- Content creation (allows users to easily create and format content)
- Content storage (stores content in one place, in a consistent fashion)
- Workflow management (assigns privileges and responsibilities based on roles such as authors, editors and admins)
- Publishing (organizes and pushes content live)

One major advantage of a CMS is its collaborative nature. Multiple users can log on and contribute, schedule or edit content to be published. Because the interface is usually browser-based, a CMS can be accessed from anywhere by any number of users.

The second major advantage of a CMS is that it allows non-technical people who don't know programming languages to easily create and manage their own web content.

Wordpress:

What is WordPress? At its core, WordPress is the simplest, most popular way to create your own website or blog. In fact, WordPress powers over 40.0% of all the websites on the Internet. Yes – more than one in four websites that you visit are likely powered by WordPress.

On a slightly more technical level, WordPress is an open-source content management system licensed under GPLv2, which means that anyone can use or modify the WordPress software for

free. A content management system is basically a tool that makes it easy to manage important aspects of your website – like content – without needing to know anything about programming.

Why Wordpress?

If you're wondering why WordPress is such a widely used website content management system, here are some of the benefits of WordPress as a website platform:

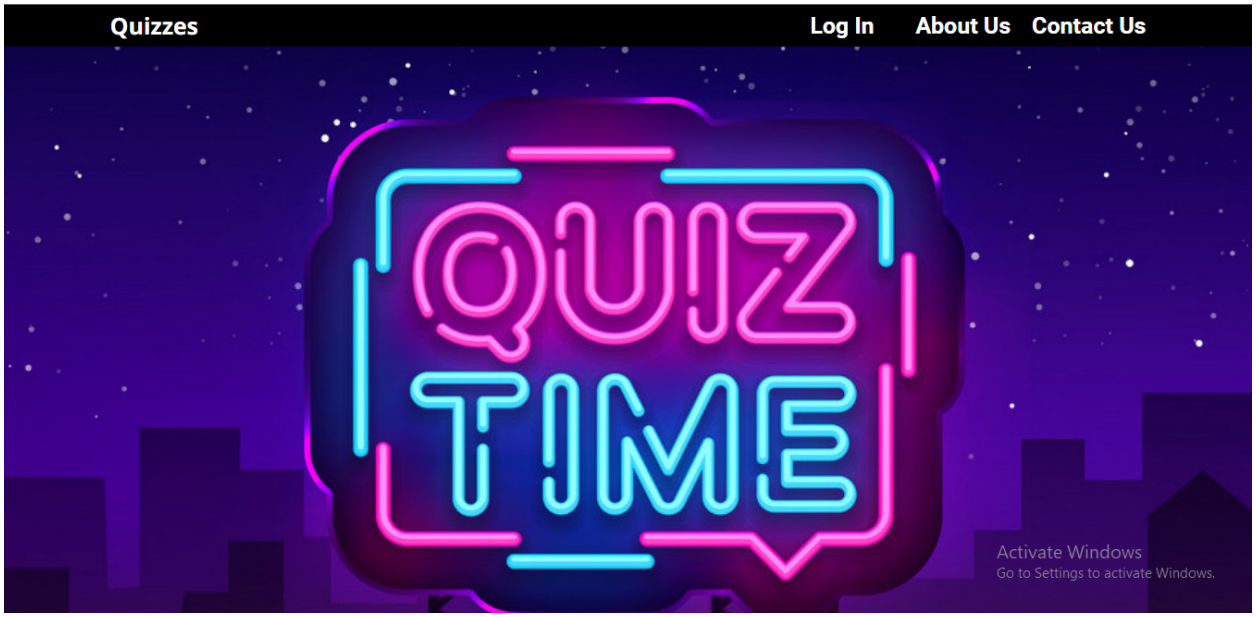
- Simplicity: WordPress allows you to publish and build your website content quickly. Even as a beginner, you can easily use WordPress.
- The cost is free – The actual WordPress software available on WordPress.org is free to download and use. You will, however, need to pay for web hosting and a domain name.
- Flexibility: WordPress allows you to create many types of websites from personal blogs and online stores to online magazines and newspapers.
- Easy to use – If you can use a word processing software like Microsoft Word, you can use WordPress to build and manage a website.
- Open-source software – WordPress is open-source software that is licensed under the GNU General Public License (GPL), meaning it isn't owned by a single company or entity. Hundreds of developers and users collaborate and contribute to the software to make it better. The spirit of open-source means constant improvements, accountability and free usage for everyone.
- No need to know code – WordPress removes the requirement of needing to know how to code in order to build a website. While WordPress utilizes a variety of coding languages, there's no need to know any of them to use WordPress.

Wordpress Features:

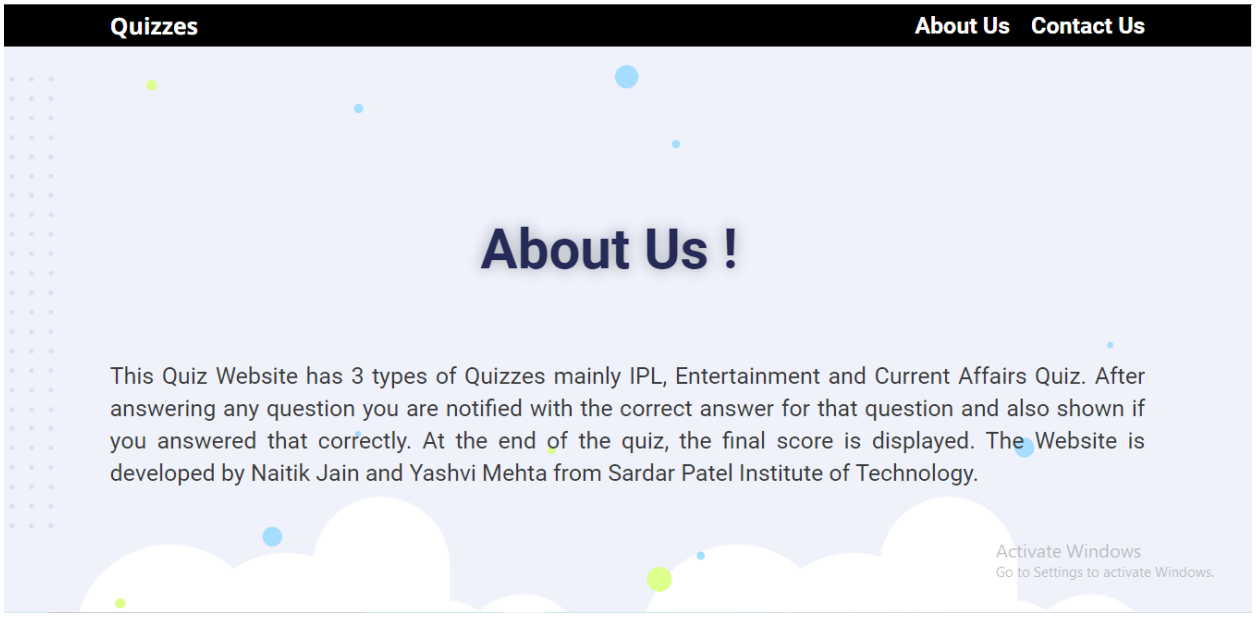
- SEO – Search Engine Optimization (SEO) begins at a technical level and WordPress delivers an exceptional code base for SEO. SEO allows your website's content to be found via common search engines such as Google or Bing. Check out these free WordPress SEO training videos to learn more.
- Speed – WordPress is a lean website framework that is constantly striving to remove code "bloat" that slows down the loading speed of a website.
- Mobile-friendly – Most WordPress themes are now mobile-friendly or responsive out-of-the-box.
- Media file library – WordPress includes a built-in media library where you can upload and embed media files such as images or videos into your pages or posts. You can even perform basic edits to your images within WordPress.
- Easy-to-use user interface – WordPress is very easy to use with no complicated settings. If you can use a WordPress processor, you can use WordPress. WordPress also has a focus on accessibility.

Screenshots :

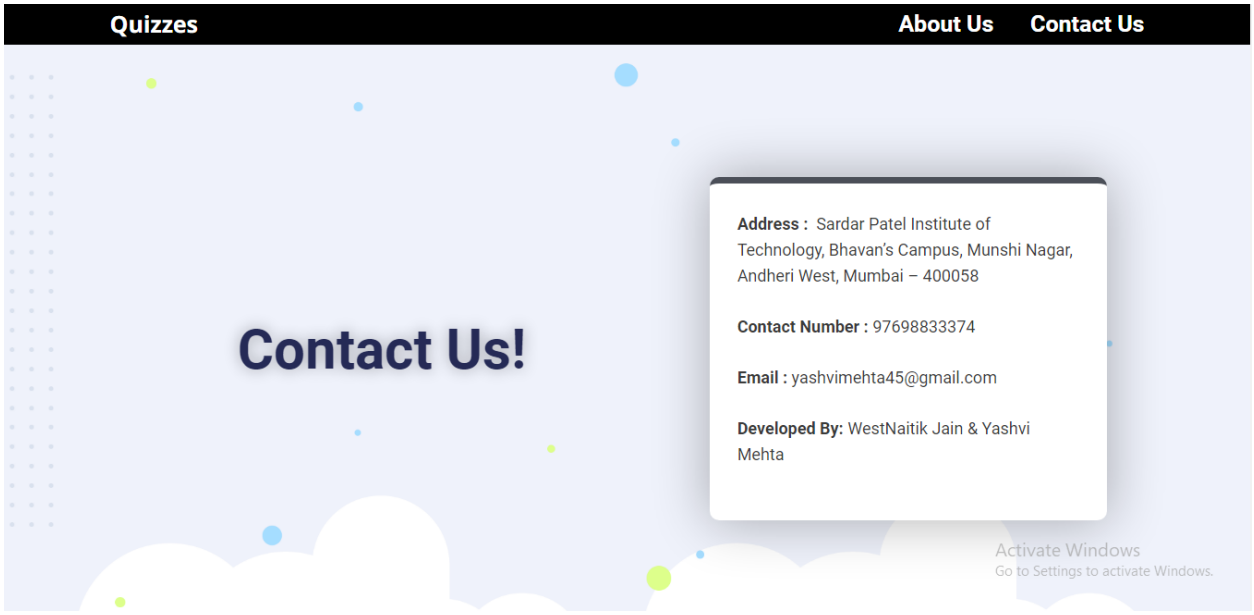
1) Landing Page having a Navbar



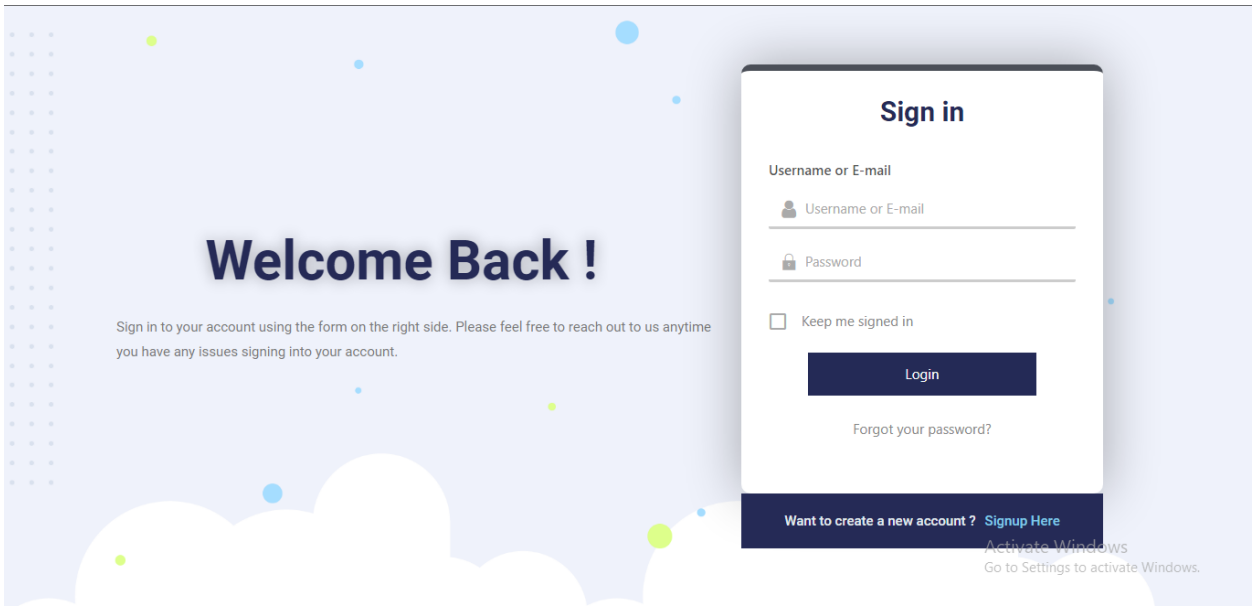
2) About us Page which describes the website in few words



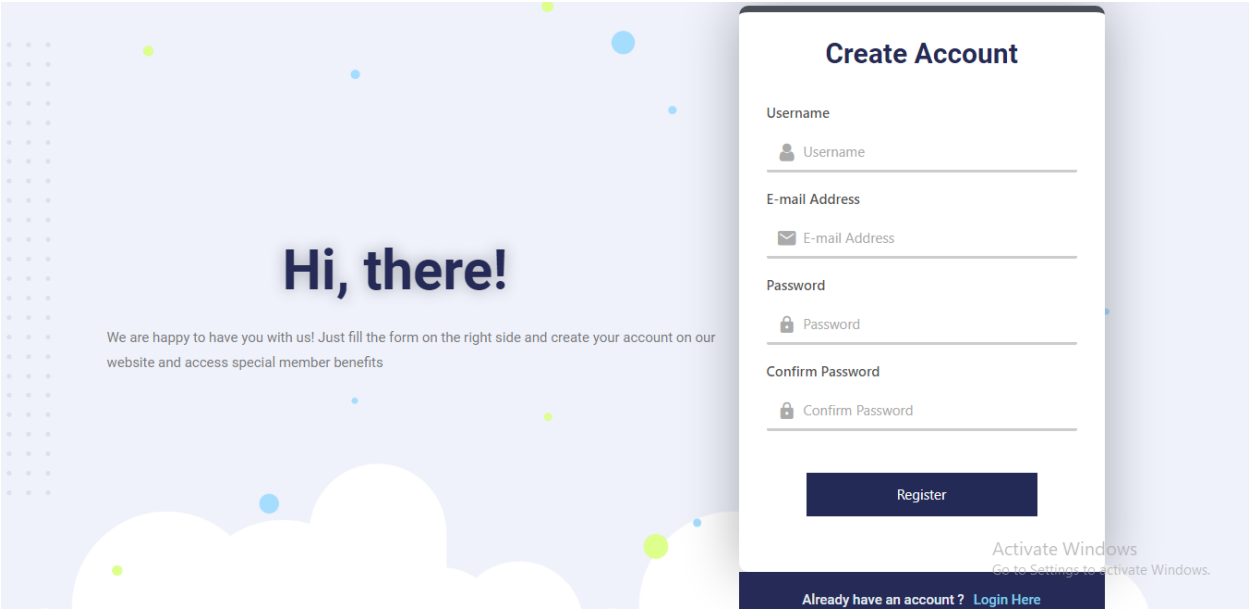
3) Contact Us Page which contains Contact Number, Email Id and Address of the Developers



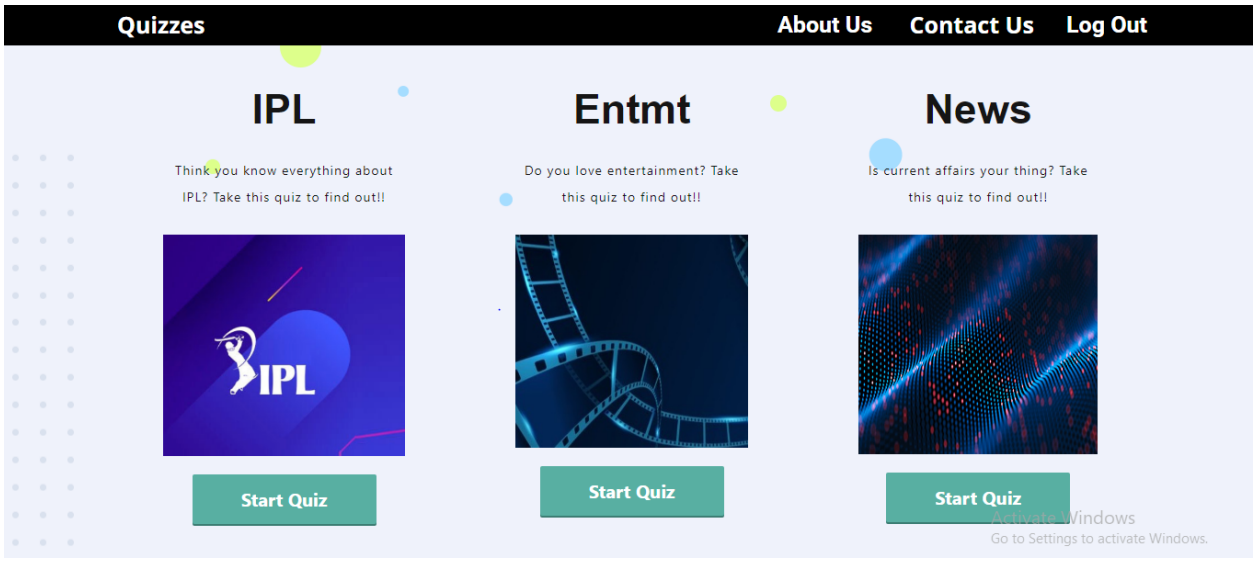
4) Login Page - A Registered User can enter his login credentials to get logged in



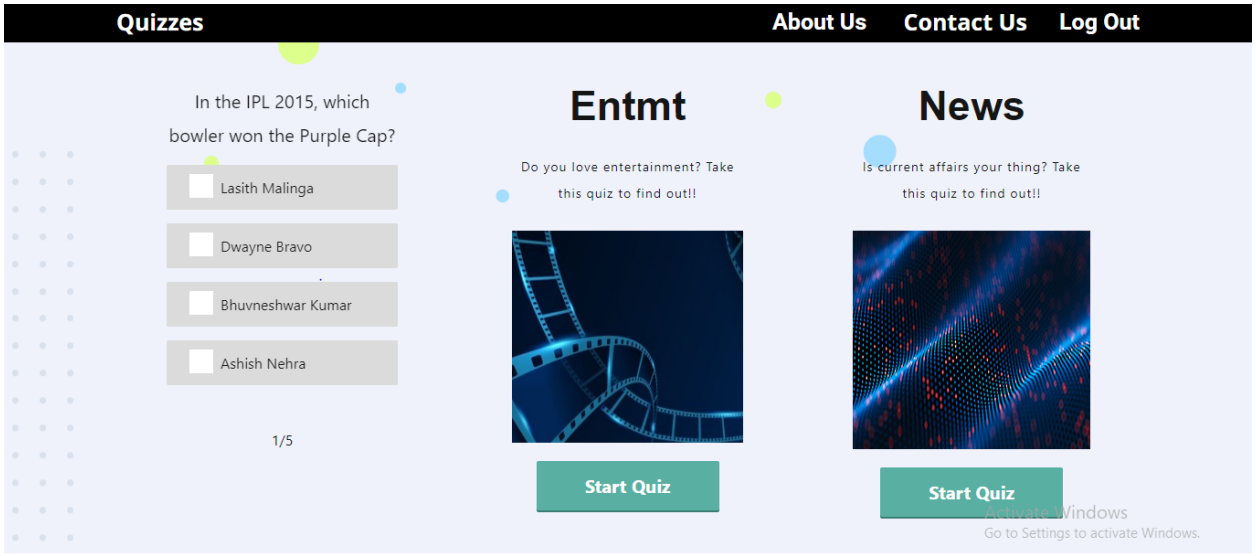
5) SignUp Page - An Unregistered user can create an account using the form

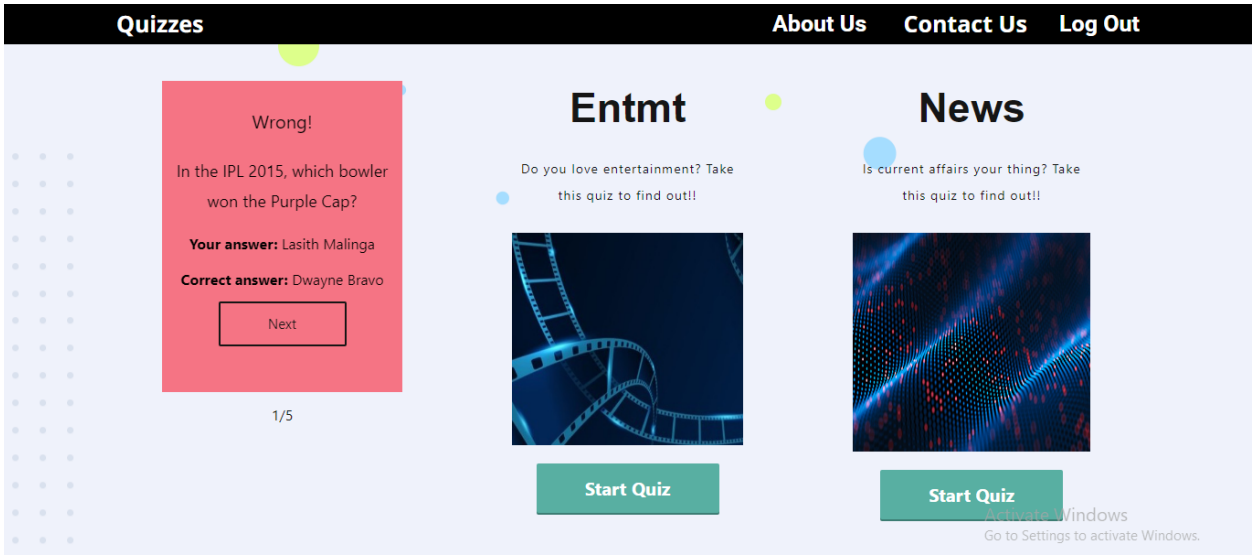


6) Quizzes page having cards of different quizzes

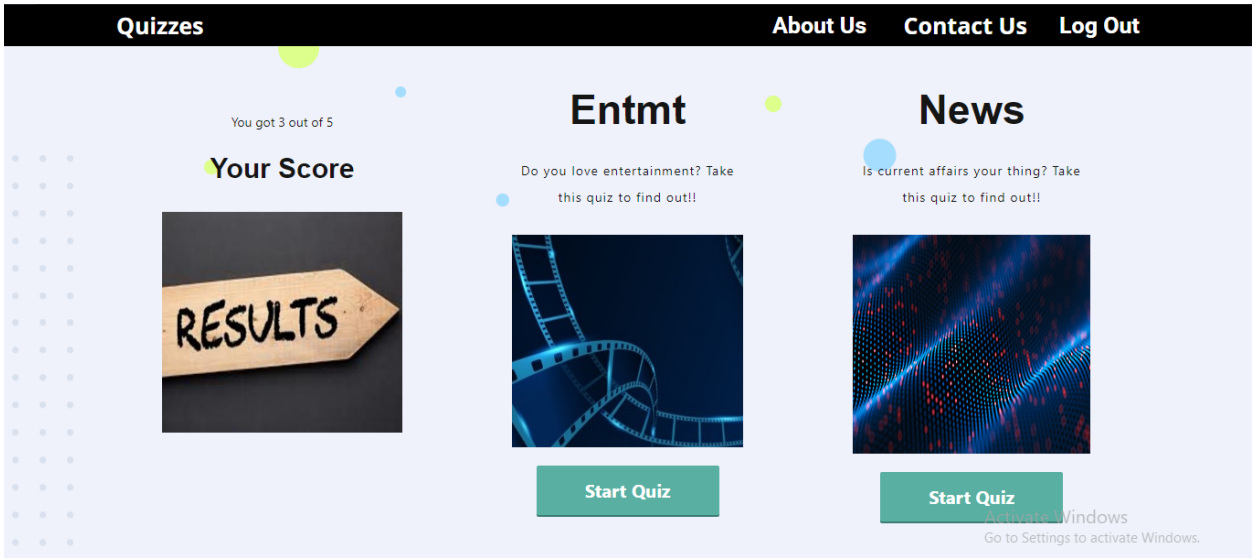


7) IPL/ Entertainment/ Current Affairs quiz page: It has the question and a marking scheme of +1 and 0.





8) Scores page: It displays the final score of 5 questions for that particular quiz.



Conclusion:

From this experiment, we learnt how to use CMS tools like Wordpress and made our website using it.