Hosting Plan

A web server is a big computer that can store a lot of files which included (html, css or js etc). when users visit your website using your domain name. A web server will connect with their matching IP address, and it will send responses to the user (E, 2025).

Web hosting is a service that allows you to store your website's files on a server, so people can access your site online. Hosting providers lease this server space and make sure your website stays up and running (E, 2025). Making internet services accessible, affordable, secure, and reliable is essential. Expanding internet access is the key to enabling more people to take advantage of the many opportunities it provides (Europe, 2025).

Domain names are the backbone of navigating the internet. Domain names are not just web addresses, but they also play a crucial role in how we navigate the internet. They simplify access by linking memorable names to the servers where websites are hosted. Without them, we'd need to enter lengthy numerical IP addresses to reach a site (Domains, 2025).

When you type a URL into your web browser, it sends a request to the server that hosts the resource you want to access. The server then replies by delivering the requested content, such as a webpage, image, or video. The URL plays a key role in enabling this exchange between your browser and the server (Lenovo, 2025).

"GitHub" is a cloud-based platform where you can store, share, and work together with others to write code (GitHub, 2025). When it comes to hosting a portfolio website, GitHub Pages is always a great choice. Here are a few advantages of having GitHub pages for your portfolio; Its free and easy to set up, GitHub Pages is the best suited for static websites, like blogs and portfolios, It allows you to host unlimited websites for free, It's powered by GitHub, which means you can leverage version control and collaborate with others easily (Cheung, 2023).

References

Cheung, D. (2023, June 26). *"Why GitHub Pages Is the Perfect Choice for Your Portfolio Website"*. Retrieved from Medium : https://medium.com/@kalung531/why-github-pages-is-the-perfect-choice-for-your-portfolio-website-6b8fed615223

Domains. (2025, January 29). *How Do Domains Work?* Retrieved from bluehost: https://www.bluehost.com/blog/how-domains-work/

E, V. H. (2025, January 26). *Understanding Web Servers and Hosting: How They Make Websites Accessible Worldwide*. Retrieved from vigneshhe: https://vigneshhe.hashnode.dev/understanding-web-servers-and-hosting-how-they-make-websites-accessible-worldwide

Europe, C. o. (2025). *The Internet, a public service accessible by everyone*. Retrieved from Council Of Europe : https://www.coe.int/en/web/portal/public-service-accessible-by-everyone

GitHub. (2025). *About GitHub*. Retrieved from GitHub Docs: https://docs.github.com/en/get-started/start-your-journey/about-github-and-git

Lenovo. (2025). *What is a uniform resource locator (URL)?* Retrieved from Lenovo: https://www.lenovo.com/us/en/glossary/url/?orgRef=https%253A%252F%252Fwww.google.com%252F