

CRAFTING THE DIGITAL EXPERIENCE: MEETING CONTEMPORARY STANDARDS IN WEBSITE DESIGN

Barkova M., student

*Olga S. Gubaryeva, PhD, Associate Professor,
Kharkiv National University of Radio Electronics.*

Modern requirements for website design have changed significantly in recent years, driven by advances in technology, changing user behaviour and evolving business needs. Today, a successful website design goes beyond aesthetics: it must be functional, user-friendly, accessible, and optimized for different devices and platforms.

One of the main demands for modern website design is adaptability. With the proliferation of mobile devices such as smartphones and tablets, users are accessing the Internet from a variety of screen sizes and resolutions. Thus, websites need to be responsive, easily adaptable to diverse devices, so that the content remains accessible and visually appealing across all platforms.

Another important aspect of modern website design is user-centricity. Designers should prioritize the needs and preferences of the target audience by creating intuitive navigation, clear calls-to-action, and engaging content. User experience design principles such as easiness, consistency and accessibility are central to this approach.

In addition to aesthetics and functionality, modern website design places a strong emphasis on performance. As users increasingly demand a fast and seamless browsing experience, optimising website speed and productivity is essential. A fast-loading web page not only increases user satisfaction, but also contributes to better search engine rankings, making it a critical success factor in the digital environment.

In addition, modern website design should prioritise accessibility and inclusivity. Websites should be designed with the needs of users with disabilities in mind, ensuring that all people can access and interact with content effectively. This involves adhering to web accessibility standards such as the Web Content Accessibility Guidelines and integrating elements such as descriptive text for images, keyboard navigation, and

semantic HTML markup. By ensuring accessibility, websites can reach a wider audience and demonstrate a commitment to diversity and inclusion.

Security is another fundamental requirement for modern website design. With cybersecurity threats on the rise, protecting sensitive data and ensuring user privacy is a top priority for both website owners and visitors. Designers should implement strong security measures, including encryption, strong authentication mechanisms, and regular software updates to protect against cyberattacks and data breaches. By prioritising security, websites can build trust with users and reduce the risks associated with online threats.

In conclusion, modern requirements for website design reflect the evolving needs and expectations of users in an increasingly digital world. From responsive and user-centric design to optimising performance, accessibility and security, websites must meet a variety of criteria to succeed in today's competitive online environment. By adopting these requirements and following best practices, designers can create web pages that deliver exceptional experiences, foster meaningful connections, and achieve tangible results for businesses and organisations.

FUTURE OF MULTIMEDIA

Samosvatova A., student

T. Herasymchuk, PhD, Associate Professor

Kharkiv National University of Radio Electronics

Multimedia, which combines text, audio, images, video, and interactive content, is a powerful tool that has revolutionized communication and technology. As we move forward, the importance of multimedia will only continue to grow, impacting various aspects of our lives and industries. This presentation explores the evolution, current trends, and future possibilities of multimedia.

The journey of multimedia began with simple text and images and has evolved to include rich, interactive experiences. Key milestones include the invention of the internet, which expanded access to multimedia content, and the rise of social media, which transformed how we create and share multimedia. Advances in virtual and