MODERN TECHNOLOGIES
FOR DEVELOPING WEB-RESOURCES

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The relevance of the study stems from the growing role of web resources in the modern information society . It is difficult to imagine an organization that does not have its own representation in the webspace. Therefore, there is a need to find ways to improve their development. Web

developers – are those, who are constantly learning, evolving and looking for new solutions to create web resources. Technologies for creating Internet resources are improved and updated every day, so developers should always monitor their pace of development. That is why the object of research is a comparative analysis of modern technologies for creating web-resources.

Modern technologies for creating and maintaining web-resources are focused on platforms that allow you to effectively manage the content and data coming from site visitors. Typically, such solutions are based on server technologies such as ASP, ASP.NET, JSP, PHP or use ready-made powerful tools to create corporate sites that focus on the implementation of these technologies [1]. Let's take a closer look at some of them.

Creating web resources based on fragments of server code is an ASP technology, ASP.NET (Active Server Pages). ASP.NET pages are object-oriented. An ASP.NET page can be called by any browser or device, in response ASP.NET generates HTML and JS code. ASP.NET offers a model for dividing functionality into server and client parts: doings that occur on the client-side are processed by code executed on the server. ASP.NET has a number of advantages over other platforms for developing web applications. Perhaps the most important of these is integration with Windows servers and programming tools [2].

The following technology is JSP or Java Server Pages. It is a Java technology that allows you to create dynamic web pages for Java applications. The JSP page contains two types of text: static output, which can be formatted in one of the text formats HTML, SVG, WML, or XML, i JSP- elements that construct dynamic content. These files are processed on the server, as a result of which all JSP tags are converted into HTML tags, and the result is a normal HTML page [3].

Among other popular technologies that implement the creation of web resources with fragments of code running on the server, we highlight the non-commercial, freely distributable technology PHP (Personal Home Pages). PHP is a programming language specifically designed for writing web applications (scripts) that run on a Web server. The main task of PHP is to "vitalize" HTML pages. PHP allows you to create quality web-applications in a very short time, getting products that are easily modified and maintained in the future. PHP is easy to learn, and at the same time able to satisfy the demands of professional programmers [4]. Although PHP is traditionally recommended for use in combination with HTML code, PHP integrates with JavaScript, WML, XML, and other Internet programming languages with equal success.

Table 1. presents the results of a comparative analysis of modern technologies for creating web-resources.

Table 1

Comparison of modern technologies for developing web-resources

	ASP.NET	JSP	PHP
Ease of use	-	-	+
Productivity	+	-	-
Multiplatform	-	+	+
Availability of libraries	+	+	+

Thus, after a more detailed study and analysis of modern technologies for creating web-resources, we can conclude that PHP technologies have more advantages in use compared to others. PHP technology is easily combined with many programming languages, is fast to learn and meets all requirements in the development process. Due to the ease of installation and use, it is in demand by a large number of modern developers.

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