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USING FRAMEWORKS IN THE DEVELOPMENT OF THE PROJECT ON PHP

From database queries to visualization of the user interface, most web apps have much in common with each other. It is difficult to present a complete system for example without registration and authorization. By highlighting the common features and core application architecture and combining them into reusable templates and library sets, the architecture allows developers to focus more on how will the project differentiate against the background of others [1].

In fact, when developers use previous designs as the basis for developing new ones, while not developing similar elements from scratch, so-called templates, that is, frameworks are used. Framing is a workpiece or template for a software platform that provides its structure, software, facilitates development and combines various software project modules. Popular PHP frameworks such as Laravel, Yii, or Symfony use all of these approaches, paying particular attention to developing architectures and tools that will then be used by other developers in projects. But it is not always better to use the framework in the development. Sometimes it makes sense to write from scratch without using anything other than a simple, clean PHP code [2].

Using PHP-frames helps in developing web applications:

- Rapid development is one of the key requirements of the customer who wants to get the finished product as soon as possible for quick commissioning. Therefore, the use of a ready-made framework is one way to increase the speed of project development significantly. In order not to waste time planning the architecture of the application and evaluating different libraries, the developer begins to work on a fully functional template, with the ability to create a functionality, which is specific to a particular project, immediately.

- The framework makes the application more robust: solutions included in modern frameworks are constantly tested by a large number of developers on various projects using frameworks. Since templates have an open source code, issues related to reliability and security that can be skipped during a project development on a pure PHP code are quickly noticed and fixed.

- More simple support for the project: By providing a robust framework for the application and pushing for advanced techniques and templates in software development, the framework sends developers to write closely-related code with minimal repetition. Virtually all of the popular today PHP-based frameworks are based on object-oriented programming and development based on automatic testing. In other words, the project is easy to read, test, maintain and develop in the future.

- Classes, methods, functions and their use: without knowledge of design decisions and complete documentation, it will be difficult to enter the development of

the project. That is why the use of frameworks will help new developers start work on the project faster. And even if the structure is unfamiliar, then the documentation for the framework and familiar templates will help you to master the material more quickly with minimal effort.

- A significant advantage of the use of the frameworks is provided by an active community of developers. All modern frameworks draw attention of open source developers; widgets, libraries and additional components are constantly being developed, so developers can use ready-made solutions in projects. Also, educational materials, videos are created to explain the subtlety of how to achieve the best results by using one or another framework in the development.

Modern frameworks are a powerful tool in software development, they can save the developer time and effort. But do not forget that each project is, to a degree, unique and even a framework that is perfect for one project, may not succeed in developing another at all. Therefore, the main idea is to choose the right tool for future development.

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