# Purpose of web frameworks

Web framework is a software framework which is created to support the development of dynamic websites, web applications and web services. The development of a dynamic website is made easy with the use of a web framework. It provides a basic pattern of the code which helps quicken the process of web development. Web frameworks help simplify the process of web development and keep it as modern as possible. Web frameworks automates the repetitive web development tasks. Web frameworks gives you a process for turning an idea into code. A framework is a basic conceptional structure. Most of the applications have a common set of functionalities such as handling session data validation etc, and web framework prevent a developer from re-writing the same code every time to create a web app. The purpose of frame works is to allow developers to build unique features for their web projects instead of rewriting the same code repeatedly. Each framework may provide you a wide range of web app functionalities, resulting in a less error-prone program. In a nutshell, a framework aids in the prototyping, design, and implementation phases of the app development lifecycle, as well as the continuing maintenance and enhancement of a web application. Frameworks are very helpful when it comes to online security. Coming up with your own security is costly and dangerous if you do not do it right. To make anything more resilient, a framework can incorporate security aspects into its functioning and combine bug-fixing efforts. A framework can be secure by default, at least in theory. Most applications/websites these days require login, signup, password rest, authorization, API’s, logging, database, sending emails, payment processing, deployment, input validation etc, if a beginner has to implement all of this in their design without a framework, they would be lost, but with the help of a framework these tasks can be implemented easily and can be reused if possible.

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