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Mindset of Application Developer Vs Framework Developer

The mindset of the Application developer and the Framework developer are entirely different. Why? Looking from their perspectives - requirements are different, end users are different and goals are different, although both are software developers - the way they think are different.

In the software development, developers has been repeating the code, sharing the code, project after project, even though the projects are different, most of the design sequence and code flow are the same. It was unnecessary waste of resources hence the frameworks were born. Framework were developed by the seasoned developers with their depth knowledge of the problems, design and solutions, to facilitate the application developer for easy usability, extensibility, maintainability, testability and many more. So it is fair to say that software framework are designed with best solutions, and easy to use and maintain in mind. Furthermore, design patterns are heavily used in the framework development, which are the best practices for solid foundation for any software development.

Undoubtedly, framework development poses a big challenge for the software developers, as the coding and design requirements bar are higher, and minor bugs could turns out to be catastrophic failure for the framework. The challenge for the framework developer is to think from the mindset of application developer “how they will use the framework and develop the application on top of framework?” Without understand the application developer future requirements, framework developer can't come with the desired framework, even how hard he tries.

Application developer on the other hand, think from the customer point of view. How to develop a software that fulfills the customer requirement and meet the business requirement. Application developer doesn't have to think in depth about how to make code perfect, though he has to make the code extensible, maintainable, and less bugger, he doesn't have to show the code to the customer. His main responsibility is the software should work as expected. Therefore, it is also very crucial for application developers to use the framework for developing the software, since the framework provides many inbuilt functionality that are reliable and extensible. Though, one caveat is the application developer has to spend time learning the framework before implementing it.

Software development is a challenge for both application developer and framework developer, but the focus are different. Application developer think more from the business prospect, as the provide the end result to the customer, and framework developer think from the code base as how the application developer will use the code, to build the future products.

Failure in the hand of framework developer could have a cascading impact in the consuming application, therefore I believe that framework developer has more stake in the software

development then application developer. Application developer can always decide not to use the framework if it doesn't provide functionality and reliability that helps in building the application. Hence the mindset of application developer is to think for business customers and the mindset of framework developer is to think for application developers.