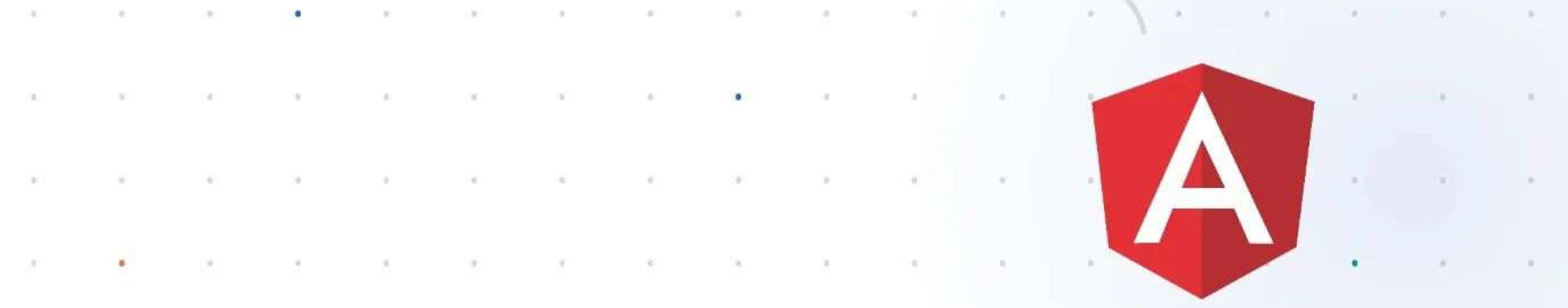




LIBRARY

FRAMEWORK







Libraries provide developers with predefined functions and classes to make their work easier and boost the development process.



Definition -

Framework, on the other hand, is like the foundation upon which developers build applications for specific platforms.



By using a library, you can control the flow of the application and call the library.



Inversion of Control —

In contrast, when you use a framework, the control is inverted, i.e., the **framework controls the flow** and calls your code.



It is possible to call a library out of context. You may use the library wherever you see fit in your code.

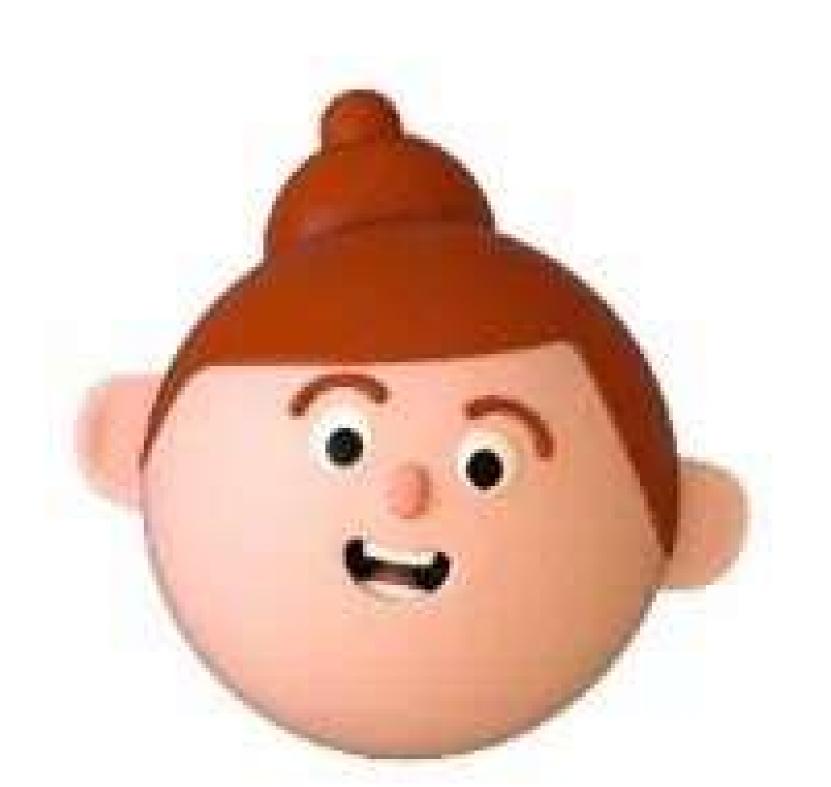


Scope

On the other hand, you can only call and use what belongs to a Framework within the same Framework.



Generally, **libraries aren't designed for extensibility**;
they are designed to
accomplish a specific
purpose.

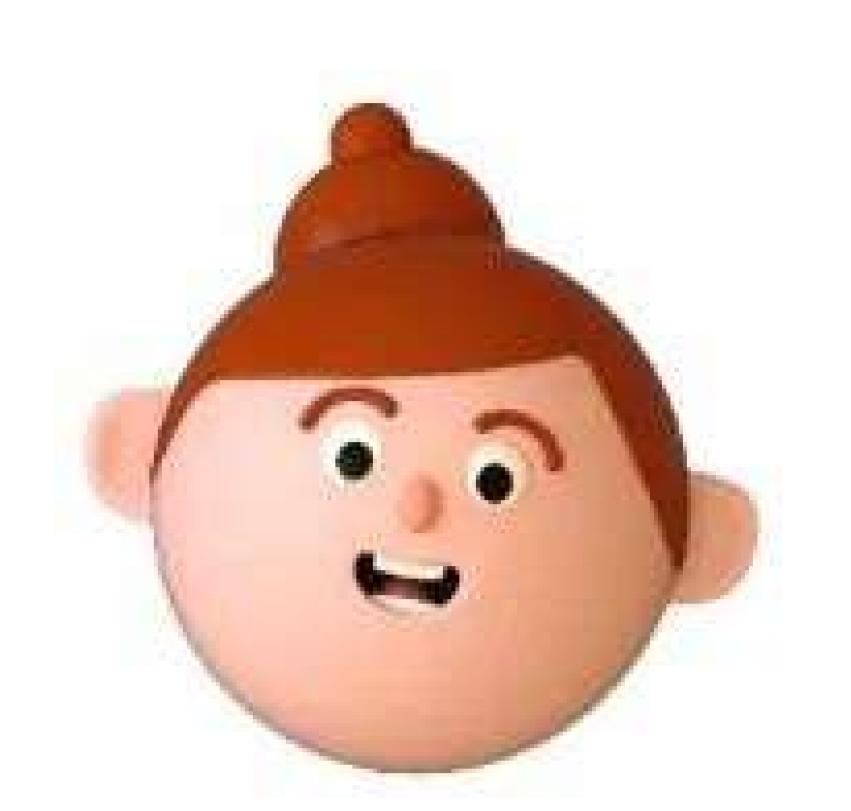


Extensibility -

Frameworks are **built to be extensible**, which allows
developers to incorporate appspecific features without
modifying the framework's source
code.ework within the same
Framework.



Less code is required to build libraries, which leads to faster loading times and better performance.

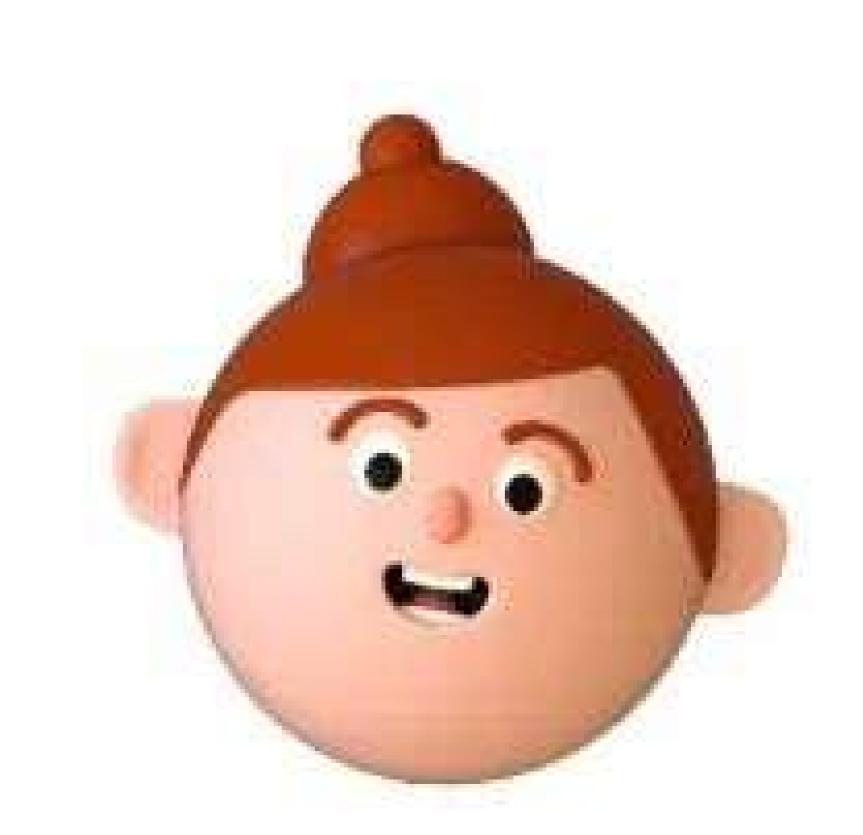


Performance -

Developing a framework requires a lot of coding, which increases loading times and decreases performance.



Good code quality, reusability, and control, enhanced speed and performance of the program, etc.



Examples: JQuery, React JS, etc.

Benefits, Examples

Faster programming, support from the community, great support for MVC (Model View Controller) pattern, etc.



Examples: Spring, NodeJS, AngularJS, Vue JS, etc.