

ABSTRACT

This report discusses the enhancement of a Vue 3 and TypeScript-based boilerplate designed for internal company applications, aimed at improving efficiency and consistency in web application development. In today's digital era, the need for efficient internal applications has become increasingly vital to support business operations. However, challenges often arise in application development, including time constraints, workforce management, and code conflicts. The developed boilerplate addresses these issues by providing a reusable framework that accelerates development and ensures consistent code quality. Utilizing Vue 3 with its Composition API facilitates modular and efficient code development, while TypeScript adds an extra layer of safety by detecting errors during compilation. By adopting this boilerplate, developers can concentrate on building application-specific features without repeatedly constructing foundational components. Additionally, this boilerplate is equipped with comprehensive documentation, making implementation and further development more straightforward. The final outcome of this project is a framework that enables faster, more efficient, and higher-quality development of internal company applications.

Keywords: Boilerplate, Vue 3, TypeScript, Internal Applications, Web Application Development, Development Efficiency.