Abstract

This project focuses on developing a web-based online code editor that provides developers with a flexible and accessible platform for coding directly in their web browsers, eliminating the need for software installation or specialized hardware. The editor features a user-friendly interface with syntax highlighting and code autocompletion, enhancing the coding experience across multiple programming languages. It also includes essential debugging tools and version control systems, enabling effective management of code changes and troubleshooting, which boosts productivity and streamlines workflows. Designed for high performance and compatibility with various web browsers, the platform supports real-time collaboration, allowing developers to work together seamlessly from different locations, making it particularly beneficial for teams and remote work scenarios. The ultimate goal is to create an efficient, accessible, and feature-rich coding platform that caters to diverse workflows and sets a new standard for online development tools, thereby enhancing the coding experience for developers of all skill levels and becoming a valuable resource in the evolving landscape of software development.

Keyword

- Online Code Editor
- Web-Based IDE
- User-friendly Interface
- Multi-language Support
- Code Execution
- Theming and Customization