

ABSTRACT

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CODE REVIEW AND WHITEBOX TESTING IN FRONTEND DEVELOPMENT BASED ON FUNCTIONAL DOCUMENTS AT PT INTI CORPORA TEKNOLOGI

The professional internship conducted at PT Inti Corpora Teknologi aims to understand and assist the software development process, particularly in activities related to code review and white-box testing on the user interface, based on predefined functional documentation. The scope of activities includes the role of code reviewer and executor of unit testing using the Jest framework, employing a white-box testing approach to ensure that every function in the code is thoroughly tested and aligned with system requirements. The intern also studied and applied the testing process based on the Software Testing Life Cycle (STLC), which includes requirement analysis, planning, test case creation, and test execution. In practice, the testing was conducted on the "Add Application User" sub-feature and focused solely on unit testing for the interface. Although the testing managed to cover most of the core functionalities, coverage tool results showed that the tests did not yet reach 100% code coverage. This highlights areas for future improvement. Overall, this activity provided comprehensive insights into the interface testing process and made a meaningful contribution to improving software quality.

Keywords: White box, Testing, Code Reviewer