

Application of JUnit in Java program testing

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Abstract: This topic focuses on researching and applying JUnit - a unit testing tool for Java to develop test modules for Java source code. The practical context requires automation and improved efficiency of the testing process. The goal is to build a testing system for Java programs through analyzing, designing, and implementing test scenarios based on JUnit. The method combines unit testing theory with experimentation on real source code. The significance of the topic lies in providing an effective solution for system administrators and software developers, while contributing to the development of automated testing technology in Java programming.

Keywords: JUnit, Java program testing, Test module, Test scenario, Unit testing tool