

Roles of Tester in Automated World

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Abstract : Testers' roles have changed dramatically as automation continues to revolutionise the software development lifecycle. There's a general belief that manual testing is becoming outdated with the introduction of advanced testing frameworks and tools. This abstract, however, disproves that notion by examining the complex and dynamic role that testers play in automated environments. In this work, we explore the complex duties that testers have when everything is automated. We contend that although automation increases productivity and simplifies monotonous tasks, it cannot completely replace the cognitive abilities and subject-matter knowledge of human testers. Rather, testers shift their focus to higher-value tasks like creating test strategies, designing test cases, and delving into intricate scenarios that are difficult to automate. We also emphasise the critical role that testers play in guaranteeing the precision, thoroughness, and dependability of automated testing. Testers verify the efficacy of automated scripts and pinpoint areas for improvement through rigorous test planning, execution, and result analysis. They play the role of quality defenders, using their analytical and problem-solving abilities to find minute flaws that computerised tests might miss. Furthermore, the abstract emphasises how testing in automated environments is a collaborative process. In order to match testing efforts with business objectives, improve test automation frameworks, and rank testing tasks according to risk, testers work closely with developers, automation engineers, and other stakeholders. Finally, we discuss how testers in the era of automation need to possess a growing skill set. To stay current, testers need to develop skills in scripting languages, test automation tools, and emerging technologies in addition to traditional testing competencies. Soft skills like teamwork, communication, and flexibility are also essential for productive cooperation in cross-functional teams. This abstract clarifies the ongoing importance of testers in automated settings. Testers can use automation to improve software quality and provide outstanding user experiences by accepting their changing role as strategic partners and advocates for quality.

Keywords : testing, QA, automation, leadership

Conference Title : ICSTM 2025 : International Conference on Software Testing and Methods

Conference Location : Bali, Indonesia

Conference Dates : January 14-15, 2025