ABSTRACT

Quality Assurance (QA) is an essential process in software development to ensure that the product meets established standards and specifications. Blackbox testing is one of the techniques used in QA, where testing is performed without examining the internal structure or source code of the application. This testing focuses on the system's inputs and outputs, ensuring that all functions work as expected and that the system can handle various input conditions correctly.

Database design is also a crucial component of QA, as a well-designed database can enhance the performance, scalability, and data integrity of the application. In database design, it is important to consider normalization to reduce data redundancy and create appropriate indexes to speed up data access. By combining blackbox testing methods and good database design, developers can ensure that the application not only functions correctly but is also efficient and reliable.

This study examines the implementation of blackbox testing methods in the QA cycle and highlights the importance of effective database design.

Keywords: Quality Assurance, Information System, Black-box Testing, Database Design