AUDAT 2.0: Sistema de auditoría de datos para la Contraloría General de la República [

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text (article)

Analítica

Today there are different systems designed for the audit process data, but these present themselves as owning or limiting their functionality are very generic. The present investigation focuses on the development of an application software for the management of the auditing process of the Comptroller General of the Republic (CGR), which provides an increase in the quality of the auditor process, optimizing the work by minimizing the burden current manual and, therefore, facilitating decision making. For its development the use of free technologies was taken into account, using for the modeling the Visual Paradigm for UML 8.0 tool, for the design of the Java SWING library interfaces, for the database design the SQLite database management system, Java 8 programming language and NetBeans as a development environment. The implemented system guarantees the necessary computer support for the processing of the information in the data audit process carried out in the CGR, achieving the optimization of this process. It allows the auditors to manipulate the data sources of the audited systems from the import of data from different files such as: SQLite, Microsoft Access, Microsoft Excel, dBase and CSV and the database managers PostgreSQL, MySQL, SQL Server and Oracle. Graphically shows the results of filters or extractions of records. In addition to performing different statistical analyzes such as random and systematic sampling

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