New Platform for Managing Various Types of Biomedical Data

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Various types of biomedical data have been collected and integrated into hospital database. Whenever questionnaires change, database needs to be redesigned and tedious coding must be done. To overcome these problems, we devised a new DB management platform on genomic and health data. The platform uses Java Applet as a basic user interface program and MySQL for database management. It also supports functions for creating and modifying tables for each new questionnaire. The system handles various situations more flexibly by separating GUI and text parts from the questionnaire. The platform was applied to genomic and health DB from diabetes mellitus patients at Seoul National University. It has reduced complications in modification of the DB and UI without recompiling and editing codes. This development gives researchers opportunities to concentrate on analyzing data rather than the system itself.

References