

STRENGTHS AND WEAKNESSES OF RELATIONAL DATA MODELS

COLLABORATION

Multiple people may access the database and may alter it.

EXPENSIVE

Tons of efforts are needed to simplify or manipulate complex data. IT may cost you time, effort, and man-power. It requires work and knowledge in various subjects.

ORGANIZE

RDBMS are organized and a better way to interpret or understand a set of data.

COMPLEX

As data grows, so as the table and the records. Guru99 tells us that "[RDBMS] can sometimes become complex as the amount of data grows, and the relations between pieces of data become more complicated."

EASY ACCESS

Users may access it easily and conveniently. Educba states that "Anyone who accesses the data can query any table in the relational database."

LIMITATIONS

Several relational database systems have limits on their field lengths which are fixed and cannot exceed.

HIGH SECURITY

Having the tables distributed, we can make selected confidential tables accessible to a select admin. We can also set boundaries to those who access it.

DIFFICULT IN RECOVERY

Data recovery in RDBMS may be complex and difficult especially when your data is lost.

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The infographic contains the strengths and weaknesses of using Relational Database Management Systems. On the left part are the advantages and on the right are the disadvantages. It shows the strengths of the RDBMS: Collaboration, wherein users may access data with other users; Organize, these data models are well-organized and easy to understand due to its structure; Easy Access, users may manipulate and add data smoothly; and, High Security, wherein the user may select several tables to be confidential and they may set levels of securities or boundaries to the user. Disadvantages of RDBMS are: Expensive, wherein efforts and knowledge is required to possess or create a RDBMS; Complex, as data grows so as the tables and rows, which makes the data model more complicated; Limitations, wherein several field lengths cannot exceed a specific number of characters; and, Difficult in recovery of data, where you may suffer from difficulties if data is lost.

Quick references:

[Relational Data Model in DBMS: Concepts, Constraints, Example \(guru99.com\)](#)

[Relational Database Advantages | 8 Advantages of Relational Database \(educba.com\)](#)

[Advantages of RDBMS | disadvantages of RDBMS \(rfwireless-world.com\)](#)

Earl David Q. Ong BSCS 1