

Persist data with SQLite

ITMC 323 Flutter Course at UOT by Dr. Bast Elgrady

- If you are writing an app that needs to persist and query large amounts of data on the local device, consider using a database instead of a local file or key-value store. In general, databases provide faster inserts, updates, and queries compared to other local persistence solutions.
- Flutter apps can make use of the SQLite databases via the [sqflite](#) plugin available on pub.dev.

Choosing the right database for your Flutter app

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- We would focus primarily on two types of databases that can be used with mobile technologies. Databases can be classified based on a number of factors, which range from the type of data they support, how they scale, how they can be defined, and the location of their storage.
- There are lots of databases out there, but we will stick with these two:
 - Nonrelational databases (NoSQL)
 - Relational databases (SQL)

Firestore



- Firestore is a service made by Google and it acts as a back-end to our applications offering different things including **cloud hosting, cloud messaging, authentication, and a real-time database.**