



Debugging Databases with Database Inspector in Android



Ahmed Atef

[in in/ahmed-atef-maad](#)



Learning Objectives

- Understand the **importance** of the database inspector in an Android Application.
- Learn how to set up and use the Database Inspector tool for **efficient** database debugging.
- Learn how to use **Gutter actions** provided by Android Studio when using Room database library using **named bind parameters**.
- Run **custom SQL queries** while your application is running.
- Explore techniques for **inspecting and modifying** app database during runtime.



App Inspection

Android 14 > com.droidcon.easyinvoice

Database Inspector Network Inspector Background Task Inspector

Databases

room_master_table customer

Refresh Filter Search

Live updates

50

easy_invoice_db

business

customer

invoice

invoice_item

room_master_table

id : INTEGER

identity_hash : TEXT

tax

id

identity_hash

1

42

aece9b294a2b511a8a787d99b6407589

Room Master Table

- This table is created and managed internally by Room itself
- Room keeps its metadata information in that table
- Identifies database versions by generating a unique **identity hash**





Database States

- Open state
- Closed State

To ensure open connection:

- Toggle Keep database connection open from off to on

 easy_invoice_db
 easy_invoice_db (closed)





Thank you!



Ahmed Atef

in [in/ahmed-atef-maad](#)

