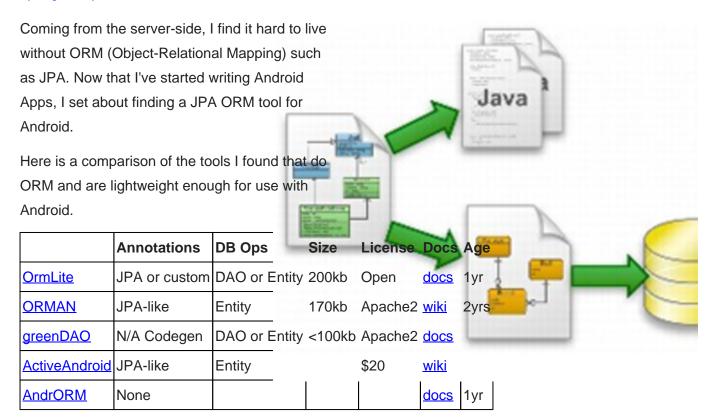
## **Android ORM / JPA**

By Roger Keays, 19 December 2011



"DB Ops" refers to how database operations such as persist() and update() are handled. Normally either by a DAO (data access object) or by the entity themselves.

## **Handling Large Data Sets**

Performance counts - especially since I need to handle large data sets. I don't want to load 3000 records into memory at once when the device only has room to display 10 at a time. Native Android supplies a Cursor to interate large data sets, and some ORM tools provide their own method too.

greenDAO has Query.lazyList() and OrmLite has DAO.iterator(Query) to do this, however Android adapters do not bind to an iterator so a custom adapter would need to be written in any case. There is a <a href="mailto:thread-online">thread-online</a> that discusses this, however I think I can rig up a something similar to my <a href="LazyList for JPA">LazyList for JPA</a> to make this happen.

## **Verdict**

I've started my project with OrmLite because it is the most mature. Lazy loading query results will need some custom code, but in the long run I think it will be better than polluting my code with column names and SQL hacks.

greenDAO was a good candidate from the performance perspective, but really I want to write my Entities myself so I can add the methods that I need.

## **About Roger Keays**



Roger Keays is an artist, an engineer, and a student of life. He has no fixed addressand has leftfootprints on 40-something different countries around the world. Roger is addicted to surfing. His other interests are music, psychology, languages, the proper use of semicolons, and finding good food.