



Firestore



What is Firestore?

It's a database! Specifically:

- It's part of Firebase
- It's a database as a service
- It's a [document store NoSQL database](#)

There is a good introduction [in their docs](#).

Video credit:
Google.



Let's let google teach us.





What else can Firestore do?

- Offline persistence
- Realtime updates across clients
- Paginated query data
- Transactions and batched add
- Out of the box machine learning (part of Firebase)



How do we use Firestore?

1. In your browser, [create a cloud instance](#).
2. In gradle, add the library to your Android project.
3. In code, get your firestore instance.
4. In code, write CRUD queries and handle responses with listeners.

There is a great example [in their docs](#). (Click “Java Android”)



Let's add it to ListyCity

(This is the lab **demo**.)

User Story:

As a ListyCity user, I want to have my city list changes stay forever.



Let's add it to ListyCity

(This is the lab **exercise**.)

User Story:

As a ListyCity user, I want to delete a city from my list by name.

Appendix



Simple Exercise Data Hierarchy



Cities (Collection)



Edmonton (Document)



Calgary (Document)



Toronto (Document)

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Complex Exercise Data Hierarchy

