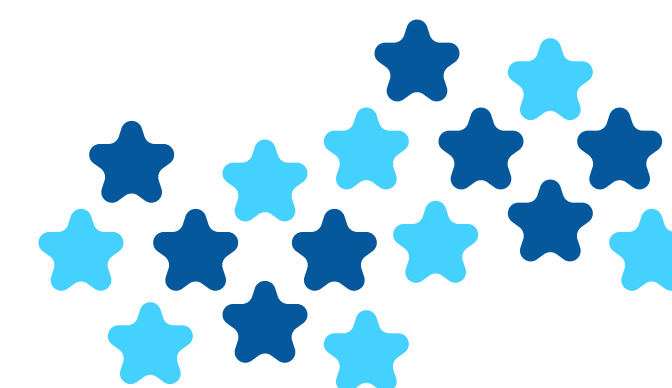




9

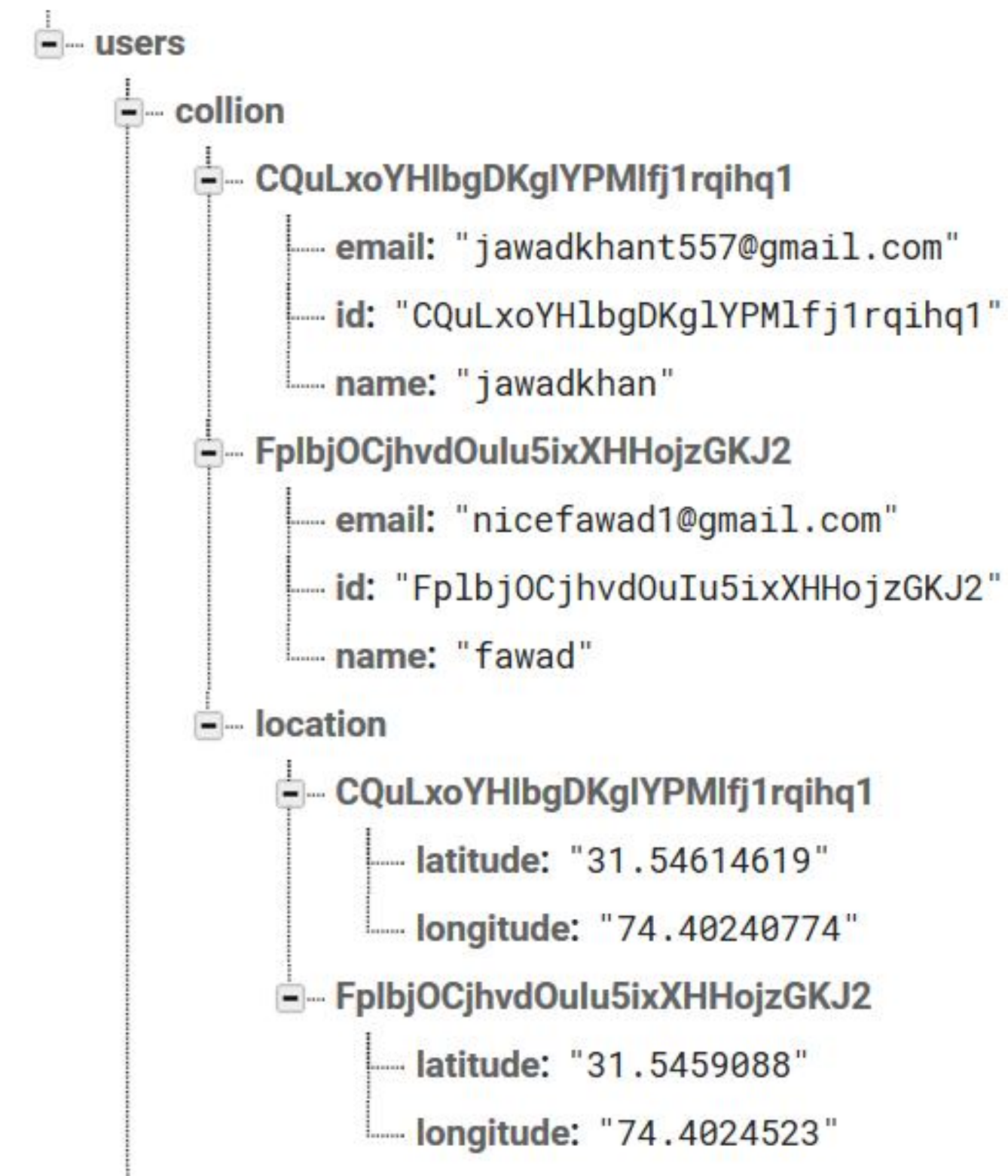
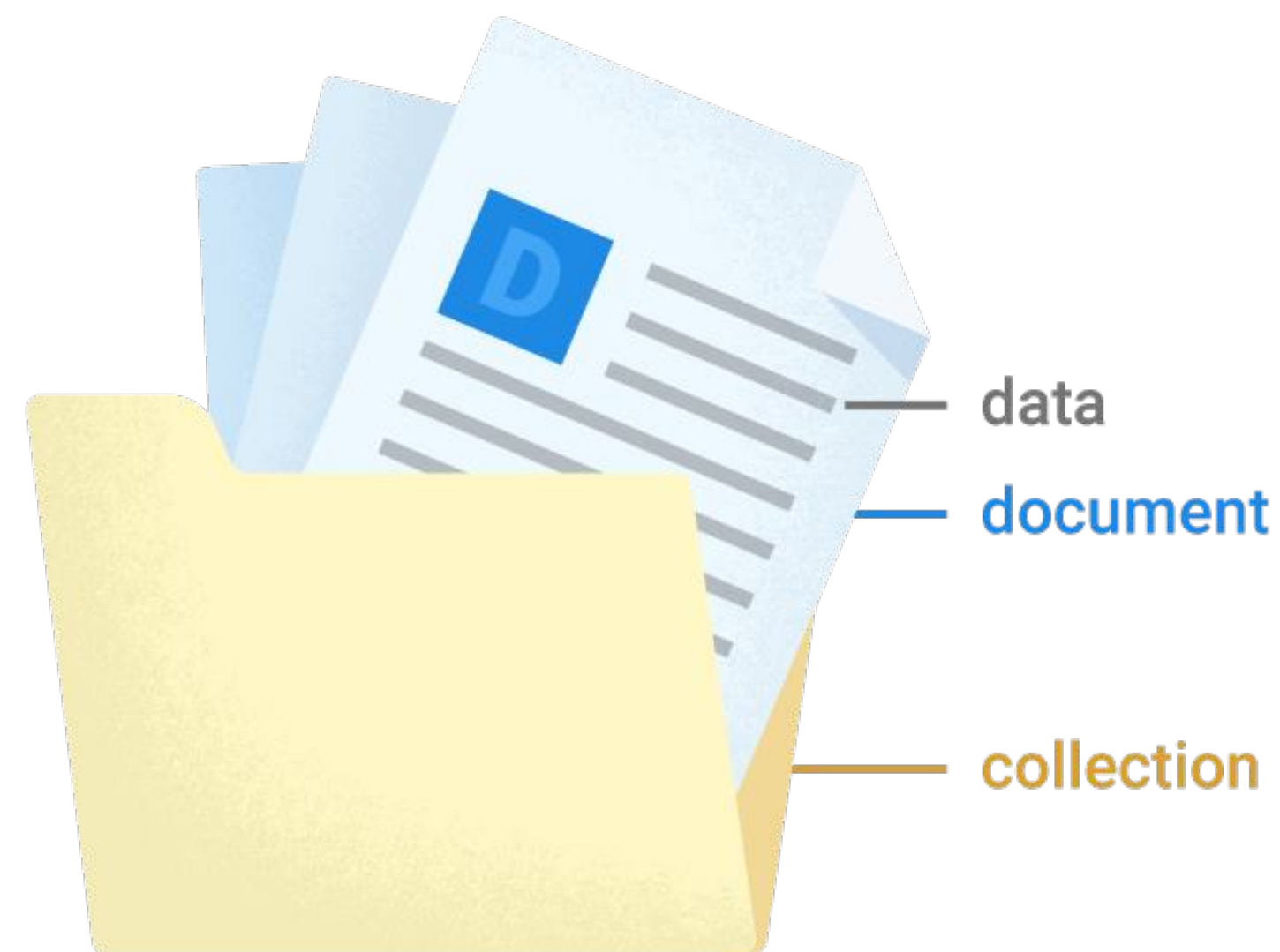
Firestore

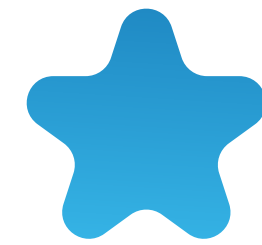




★ Firebase Collections ★

Firestore is a document/collection database. Documents hold whatever JSON data you'd like, but they must live within a collection.





Using **add()** Method



<https://medium.com/wenable/firebase-cloud-firestore-81b40f39e1e2>

```
val device = HashMap<String, Any>()
device["deviceName"] = "Pixel 2XL"
device["manufacturer"] = "Google"
var softwareInfoMap = HashMap<String, Any>()
softwareInfoMap["OS"] = "Android 9.0"
softwareInfoMap["lastUpdated"] = Date().toString()
device["softwareInfo"] = softwareInfoMap
mFirestore.collection("Devices").add(device).addOnSuccessListener { documentReference ->
    Log.d("TAG", "DocumentSnapshot added : ")
}
.addOnFailureListener { e ->
    Log.w("TAG", "Error adding document", e)
}
```



★ Using `set()` Method ★

```
mFirestore.collection("Devices").document("Device - 1").set(device).addOnSuccessListener {  
    documentReference ->  
        Log.d("TAG", "DocumentSnapshot added : ")  
}  
.addOnFailureListener { e ->  
    Log.w("TAG", "Error adding document", e)  
}
```

- `add()` and `set()` both do the same job but while using `set()`, we have to specify the ID of the document
- if you use `add()` method, Cloud Firestore will auto-generate the ID for the document



Result



Home > Devices > Device - 1

androidfirestoreexp

+ Add collection

Devices

Devices

+ Add document

Device - 1

Device - 2

Device - 1

+ Add collection

Messages

+ Add field

deviceName: "Pixel 2XL"

manufacturer: "Google"

softwareInfo

OS : "Android 9.0"

lastUpdated: February 1, 2019 at 11:45:00 AM UTC+5:30

Devices collection

Device -1 document

sub collection

Fields (key - vlaues)

Custom object



Thank you!

