

Get all from collection

```
this.db.collection(collection)
  .valueChanges()
  .subscribe();
```

Returns the current state of the collection (observable).

Is great for only displaying data, we don't receive any metadata and id.

Querying snapshotChanges vs stateChanges

```
this.db.collection(collection)
  .valueChanges().subscribe(
    snaps => {
      const collection =
snaps.map( snap => {
        return {
          id:
snap.payload.doc.id,
          ...snap.payload.doc.data()
        }
      }
    )
  );
```

Receive document snapshot with type and payload. Returns an observable with all data.

Querying snapshotChanges vs stateChanges

```
this.db.collection(collection)
  .stateChanges().subscribe(
    snaps => {
      const collection =
snaps.map( snap => {
        return {
          id:
snap.payload.doc.id,
          ...snap.payload.doc.data()
        }
      }
    )
  );
```

Receive document snapshot with type and payload. Returns an observable with only updated data (live updated).

Querying with ordering

```
this.db.collection(collection,
ref => {
  return ref.orderBy(param -
am).where(param, "=", what)
})
.snapshotChanges()...
...
.where(param, "=", ">, <= or
any", what)...
.where(param, "array-contains", what)...
.startAt(number).endAt(number)... (first element
included)
.startAfter(number).endAt(number)... (first element is
not included)
```

Ordered by params.

Update collection

```
this.db.doc(collection/id).set(changes)...
this.db.doc(collection/id).update(changes)...
```

set - update the collection or create one if not exist

update - only update the collection

Batch collection

```
const fRef =
this.db.doc(collection/id).ref;
const oRef = this.db.doc(collection/id).ref;
const batch = this.db.firestore.batch();
batch.update(fRef, { updates });
...
const batch$ = of(batch.commit());
batch$.subscribe();
```

Updates documents by its ref. Up to 500 data operation in the same batch.

Delete collection

```
const d = this.db
.collection(collection);
return d.doc(id).delete();
```

Delete document by id

Simple file upload

```
private storage:
AngularFirestore;
...
upload(event) {
  const file: File = event.target.files[0];
  const path = collectionId/
filename;
  const task = this.storage.upload(path, file);
  task.snapshotChanges().subscribe();
  ...
task.percentComplete() -
get current upload percentage
```

File upload info and metadata

```
profileUrl: Observable<string |
null>;
    constructor( private
storage: AngularFireStorage)
{
    const ref = this.storage.ref('users/avatars/');
    this.profileUrl = ref.getDownloadURL();
}
...
meta: Observable<any>;
    constructor( private
storage: AngularFireStorage)
{
    const ref = this.storage.ref('users/avatars/');
    this.meta = ref.getMetadata();
}
...
uploadFile(event) {
    const file = event.target.files[0];
    const filePath = `name-your-file-path-here`;
    const ref = this.storage.ref(filePath);
    const task = ref.upload(file, { customMetadata: {
blah: 'blah' } });
}
```



By **Oleksandr Isaryk** (oisar)
cheatography.com/oisar/
usefur.com

Published 22nd April, 2019.
Last updated 22nd April, 2019.
Page 1 of 2.

Sponsored by **CrosswordCheats.com**
Learn to solve cryptic crosswords!
<http://crosswordcheats.com>