Angular Firebase Cheat Sheet

by Oleksandr Isaryk (oisar) via cheatography.com/80798/cs/19429/

Get all from collection

```
this.db.collection(collection)
.value Cha nges()
.subsc ribe();
```

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 stateC- hanges

```
this.db.collection(collection)
.value Cha nge s().su bsc ribe(
      snaps => {
            const collection =
snaps.map( snap => {
                  return {
                        id:
snap.p ayl oad.do c.id,
                        ...s -
na p.p ayl oad.do c.d ata()
                  }
            }
      }
);
```

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

Querying snapshotChanges vs stateC- hanges

```
this.db.collection(collection)
.state Cha nge s().su bsc ribe(
      snaps => {
            const collection =
snaps.map( snap => {
                  return {
                        id:
snap.p ayl oad.do c.id,
                        ...s -
na p.p ayl oad.do c.d ata()
                  }
            }
      }
```

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.or der By( par -
am).wh ere (param, " ==", what)
})
.snaps hot Cha nge s()...}}
...
.where (param, "== , >, <= or
any", what)...
.where (param, " arr ay- con -
tai ns", what)...
.start At( num ber ).e ndA t(n -
umb er)... (first element
included)
.start Aft er( num ber ).e ndA -
t(n umb er)...( first element is
not included)
```

Ordered by params.

Update collection

```
this.db.doc(collection/id).set(changes)...
this.d b.d oc( col lec tio n/i d).u pd -
ate (ch ang es)...
```

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.d b.d oc( -
col lec tio n/i d).ref;
const batch = this.d b.f ire -
sto re.b at ch();
batch.u pd ate (fRef, { updates
});
...
const batch$ = of(bat ch.c om -
mit());
batch$.su bsc ribe();
```

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

Delete collection

```
const d = this.db
.colle cti on( col lec tion);
return d.doc( id).de lete();
```

Delete document by id

Simple file upload

```
private storage:
AngularFireStorage;
...
upload (event) {
  const file: File = event.t -
ar get.fi les[0];
  const path =collec tio n/i d/
f ilename;
  const task = this.s tor -
age.upload (path, file);
  tas k.s nap sho tCh ang -
es( ).s ubs cri be();
}
...
task.p erc ent age Cha nges() -
get current upload percentage
```

File upload info and metadata

```
profileUrl: Observable<string |
null>;
    con str uct or( private
storage: Angula rFi reS torage)
{
          const ref = this.s -
tor age.re f(' use rs/ dav ide -
ast.jpg');
          thi s.p rof ileUrl =
ref.ge tDo wnl oad URL();
   }
...
meta: Observ abl e<a ny>;
    con str uct or( private
storage: Angula rFi reS torage)
{
          const ref = this.s -
tor age.re f(' use rs/ dav ide -
ast.jpg');
          thi s.meta = ref.ge -
tMe tad ata();
   }
...
upload Fil e(e vent) {
        const file = event.t -
ar get.fi les[0];
        const filePath =
'name- you r-f ile -pa th- -
here';
        const ref = this.s tor -
age.re f(f ile Path);
        const task = ref.pu -
t(file, { custom Met adata: {
blah: 'blah' } });
   }
```


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