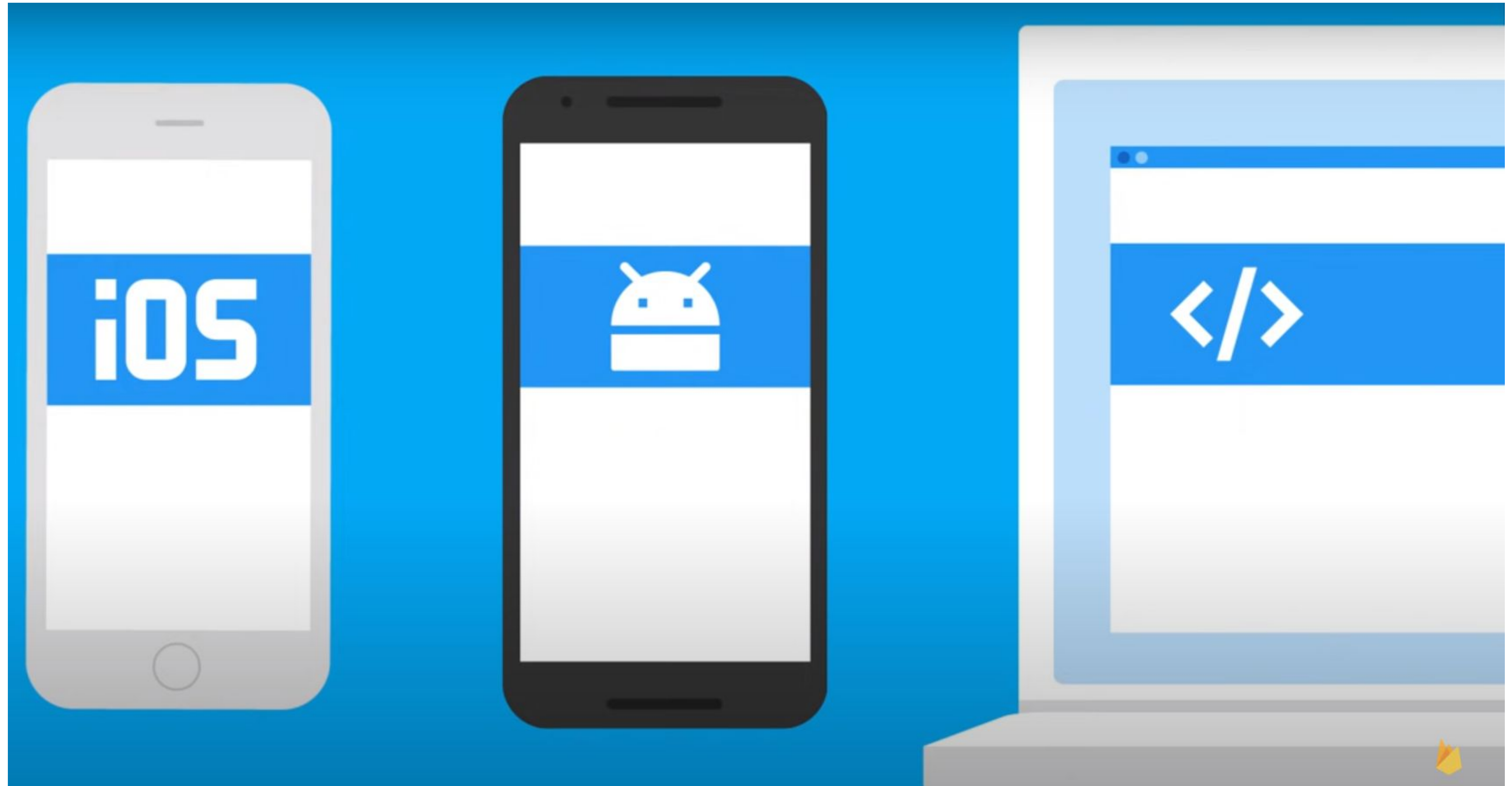


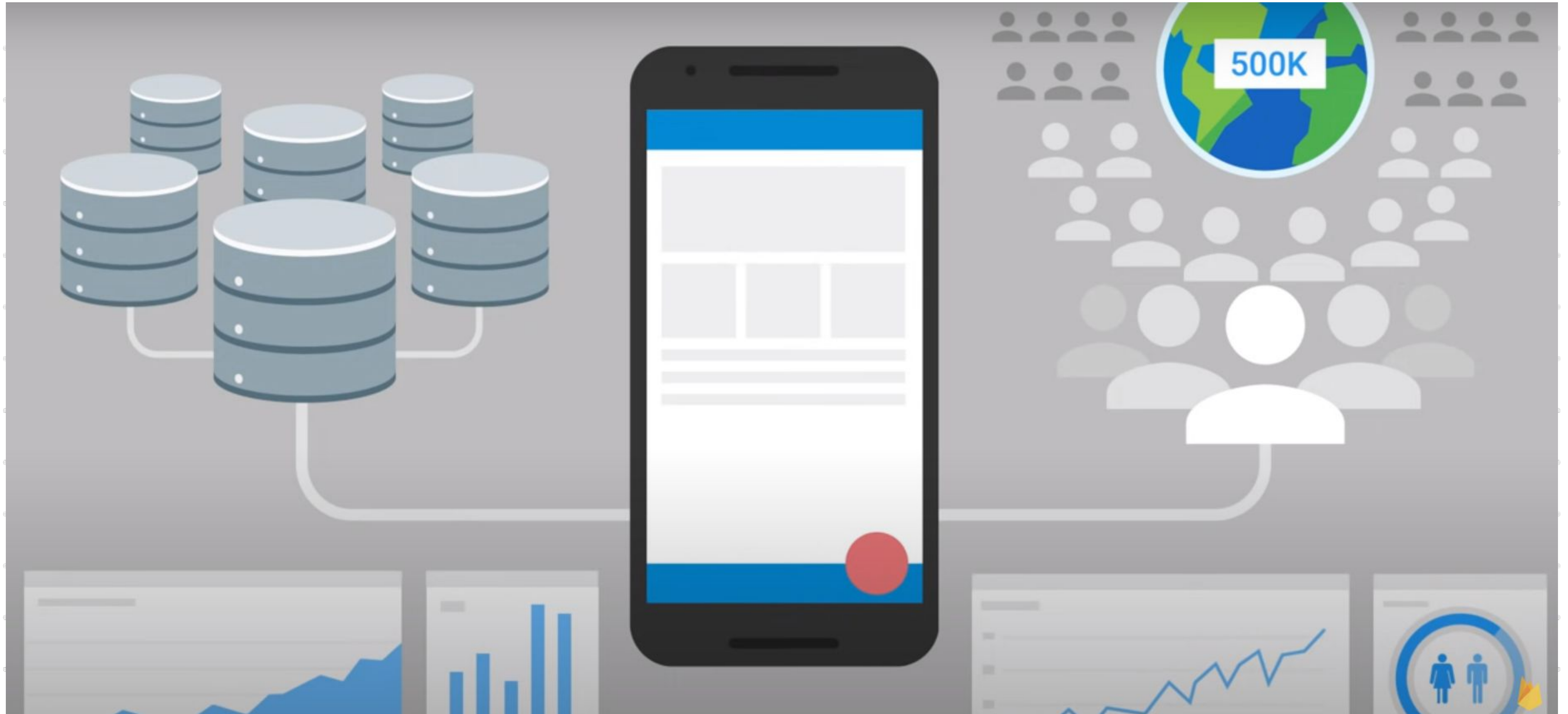


Firebase for Mobile Apps

Develop to all users



Need a Lot of Services



Firebase has a Lot of Tools



- help reach new users
- Scale up
- has a web console
- view crashes
- set up experiments
- track analytics
- . . .

Install Firebase: 1) Automatic install script

```
curl -sSL https://firebase.tools | bash
```

Install Firebase: 2) npm

```
npm install -g firebase-tools
```

Install Firebase: 2) npm - install Node.JS

```
nvm install --lts
```

Its stands for Long Term Support

Install Firebase: 2) npm - Install nvm

```
curl -sSL \
https://raw.githubusercontent.com/nvm-sh/nvm/master/install.sh \
| bash
```


Install Firebase: 3) Standalone binary

- Download and run the specific binary for your OS
- Set up the globally available firebase command.
 - Make the binary executable by running **chmod +x ./firebase_tools.**
 - Add the binary's path to your PATH.

Login to Firebase via Command Line

```
firebase login  
# Sign in to Google
```

Initiate your Project via Command Line

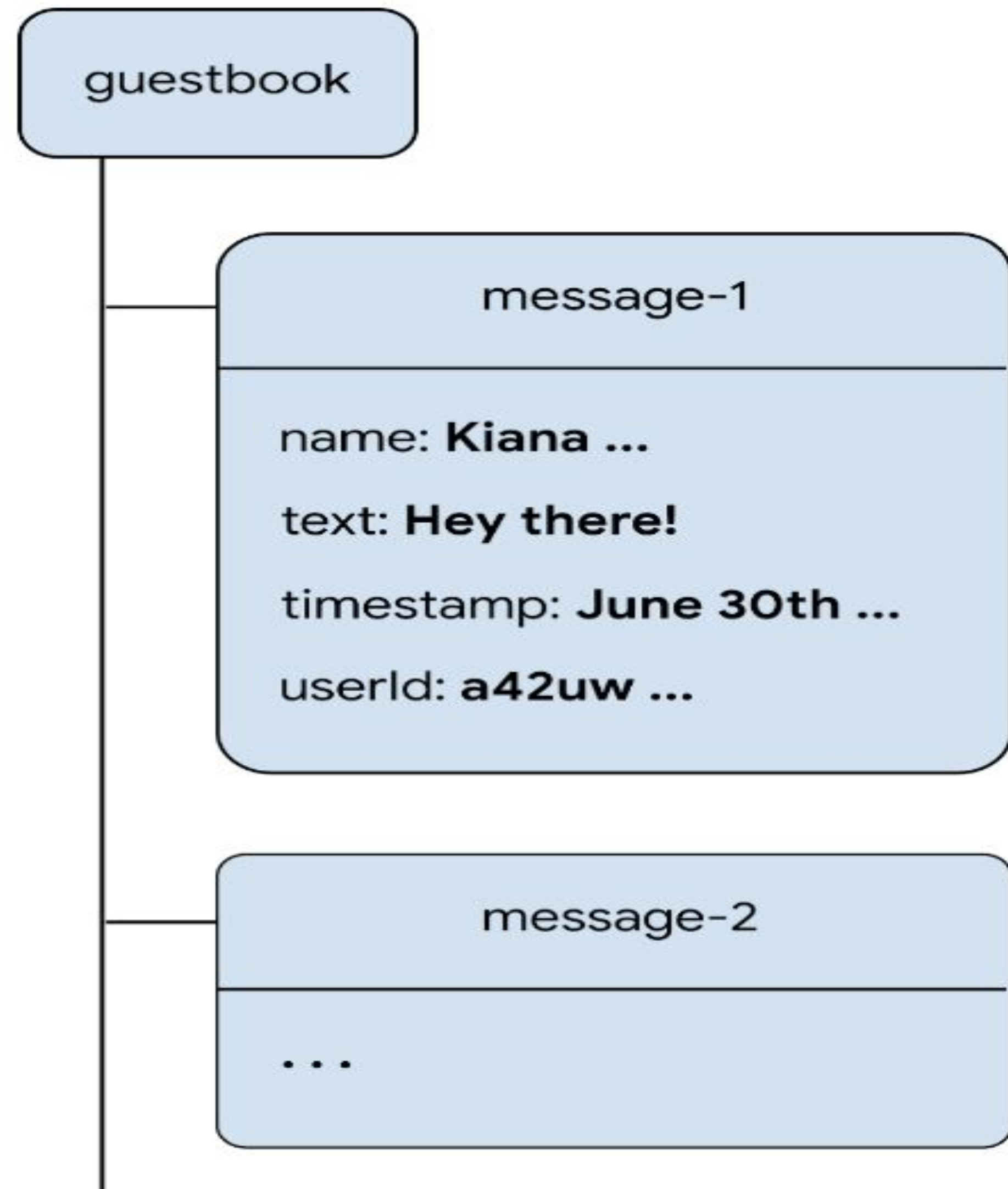
```
firebase init
```

```
# Initiate your Firebase project
```


Choose Firebase Project via Command Line

```
firebase use --add  
# Associate app with Firebase project
```

Firestore: A NoSQL DB



- Stored data is split into:
 - collections
 - subcollections
 - documents
 - fields
- **Ex:** store each chat message as a document in a top-level collection called **guestbook**.



Questions