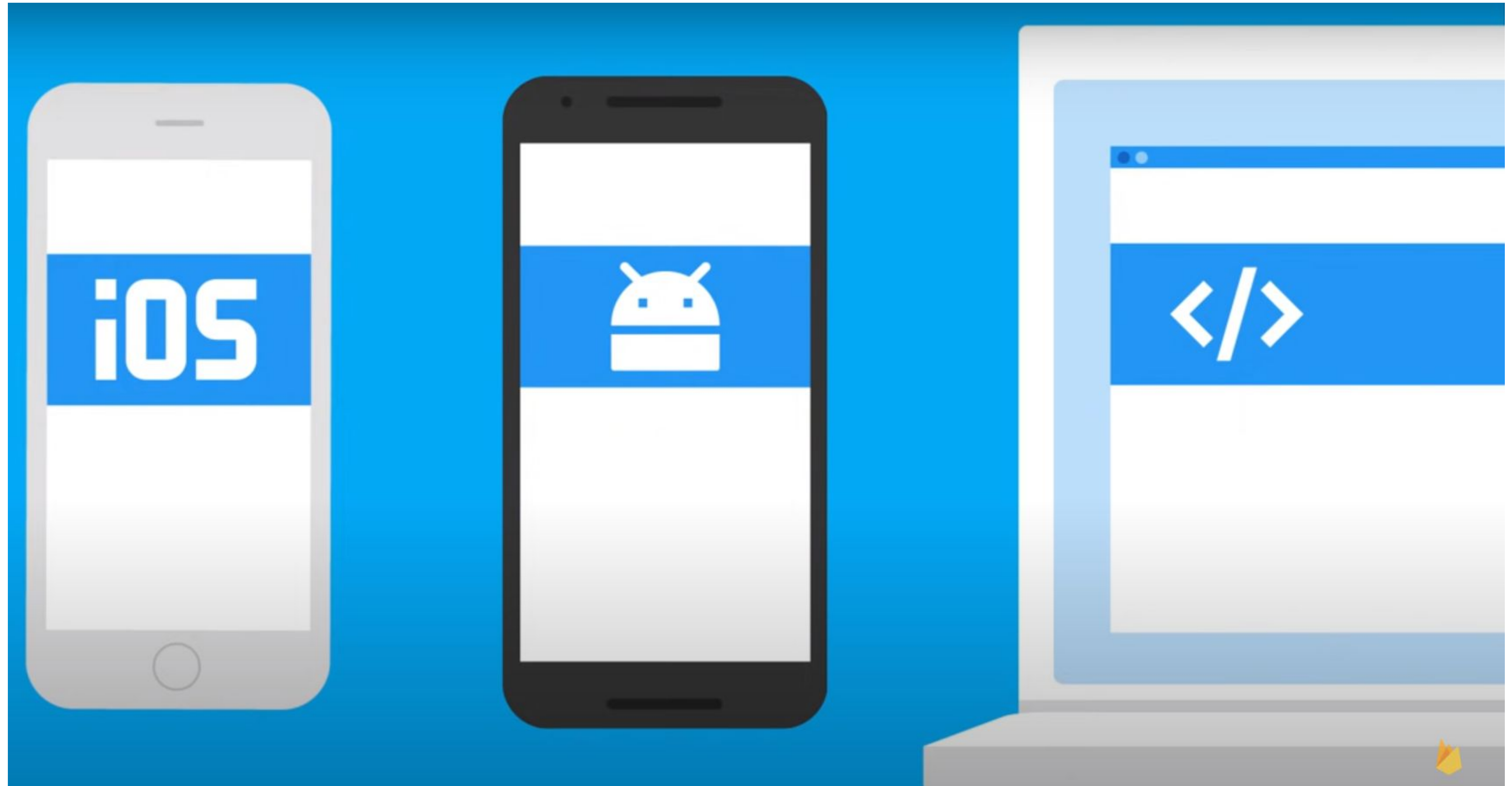


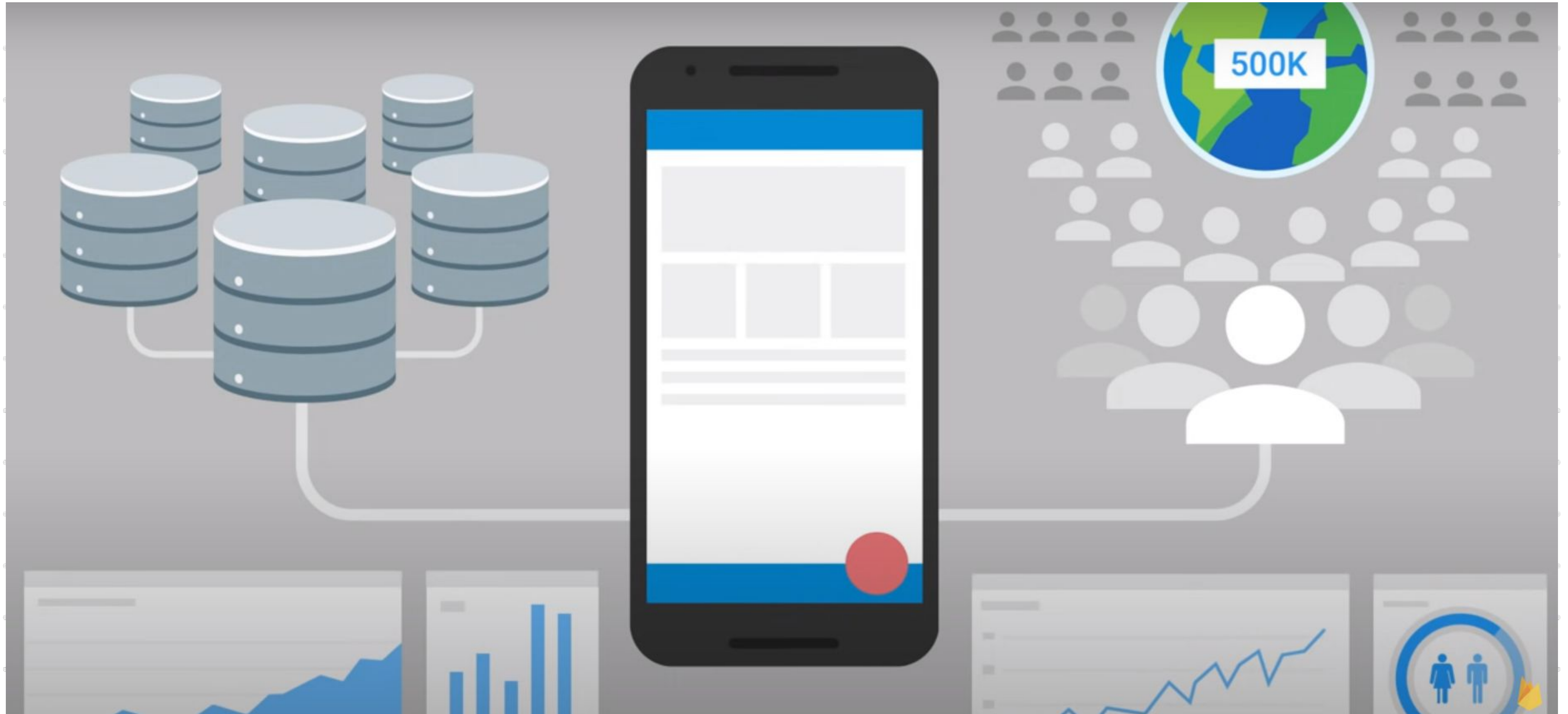


# Firebase for Mobile Apps

# 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
```

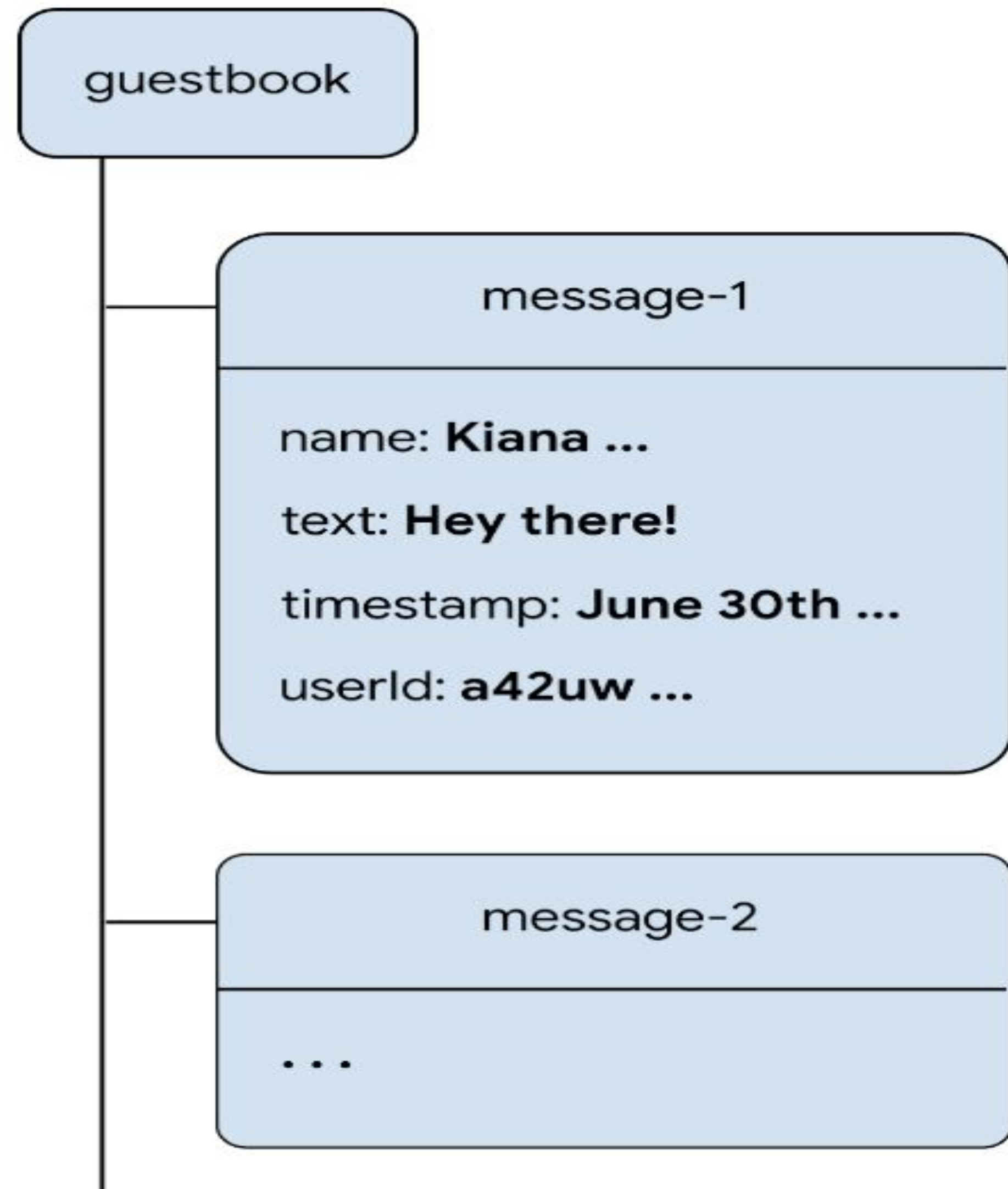
```
# Initiate your Firebase project
```

# 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.



# Install FlutterFire from the Command Line

```
dart pub global activate flutterfire_cli  
# We may need to update the path  
# to be able to use FlutterFire
```


# Add dependency to pubspec.yaml

```
flutter pub add firebase_core  
flutter pub add cloud_firestore
```

# Configure FlutterFire

```
flutterfire configure
```

```
# choose Firebase project and app type
```



# Questions