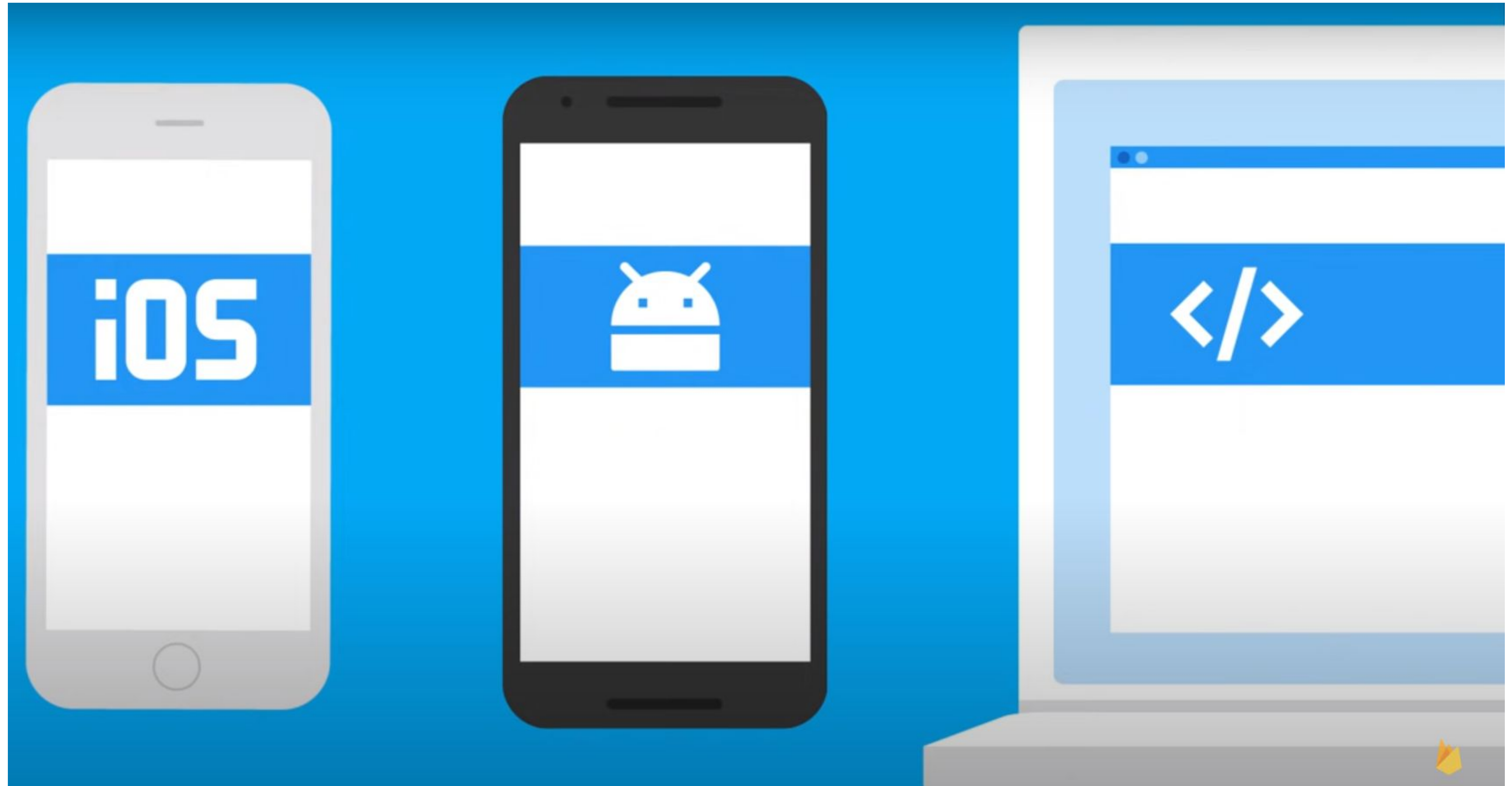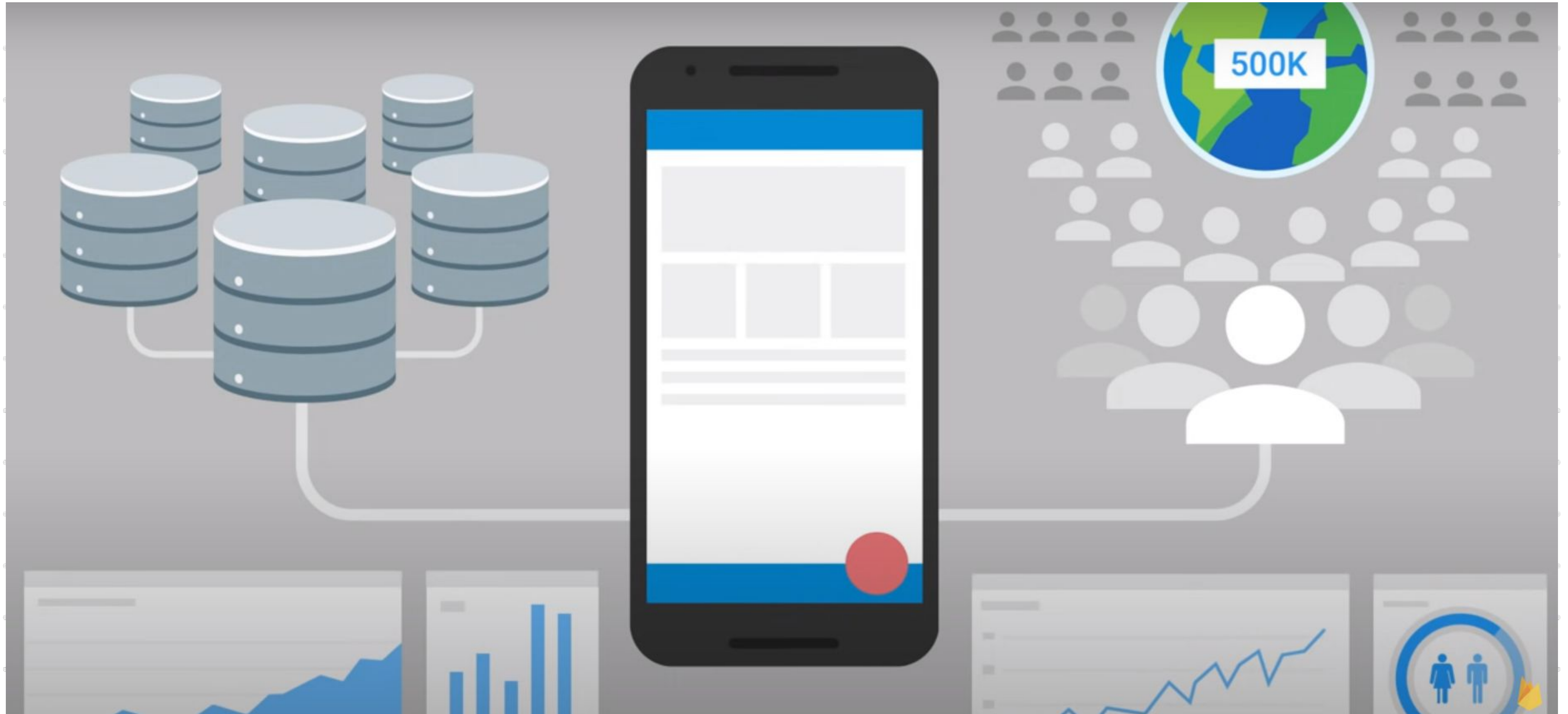Firebase for Web Apps

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

currently v14.18.1

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.

Deploy to Firebase Hosting

```
firebase login   # Sign in to Google
firebase init    # Initiate your project
firebase deploy  # deploy your web app
```

https://stackblitz.com/


```html
<!DOCTYPE html>
<html>
  <head>
    <title>My Title</title>
    <meta charset="UTF-8" />
  </head>
  <body>
    <h1>Hello BFCAI</h1>
    <p>A lot of words ...</p>
    <hr />
    <h2>Hello BFCI Again</h2>
    <p>A lot of words again ...</p>
    <hr />
    <div id="app"></div>
  </body>
</html>
```

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index.html　　style.css　　index.js ●

```javascript
1
2  import './style.css';
3
4  import { initializeApp } from 'firebase/app';
5  import { getAnalytics } from 'firebase/analytics';
6
7  const firebaseConfig = {
8    apiKey: 'AIzaSyAqAFF1JHs4PgaFpG6H3LDUBihHkjcp0rI',
9    authDomain: 'ai-web-demo-01.firebaseapp.com',
10   projectId: 'ai-web-demo-01',
11   storageBucket: 'ai-web-demo-01.appspot.com',
12   messagingSenderId: '169830187364',
13   appId: '1:169830187364:web:8f05b08474490c1a04ba71',
14   measurementId: 'G-3M8WQ79J1F',
15 };
16
17 const app = initializeApp(firebaseConfig);
18 const analytics = getAnalytics(app);
19
```

https://stackblitz.com/

```
index.html    style.css ●    index.js ●

1
2  body {
3    background-color: ■orange;
4  }
5
6  p {
7    background-color: ■aqua;
8  }
9
```

Questions

Study List

1. https://firebase.google.com/learn/pathways/firebase-web?hl=en

Firestore: A NoSQL DB

guestbook

message-1

name: **Kiana ...**

text: **Hey there!**

timestamp: **June 30th ...**

userId: **a42uw ...**

message-2

...
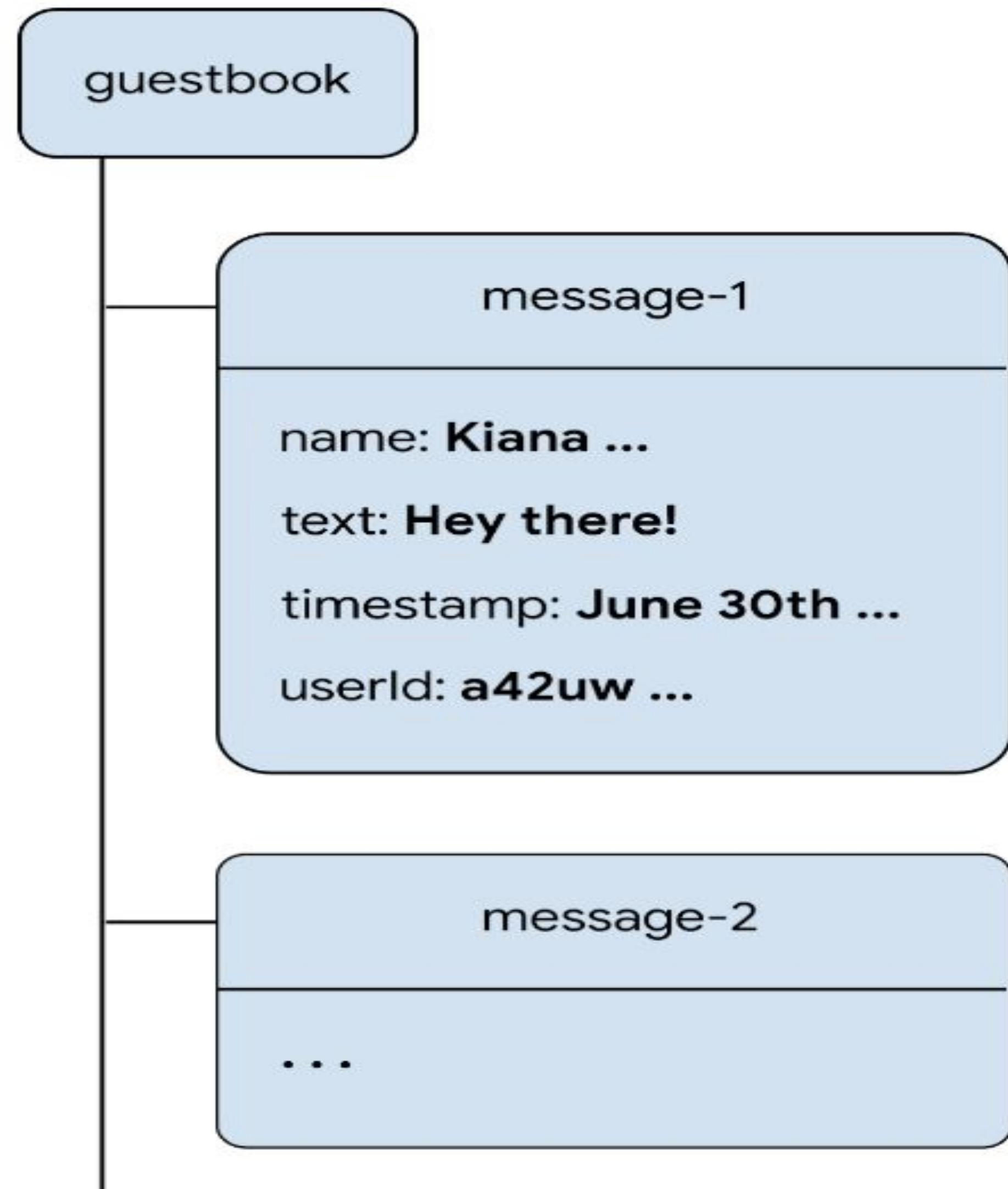
- Stored data is split into:
  - collections
  - documents
  - fields
  - subcollections

- **Ex:** store each chat message as a document in a top-level collection called guestbook.