

Firebase Authentication

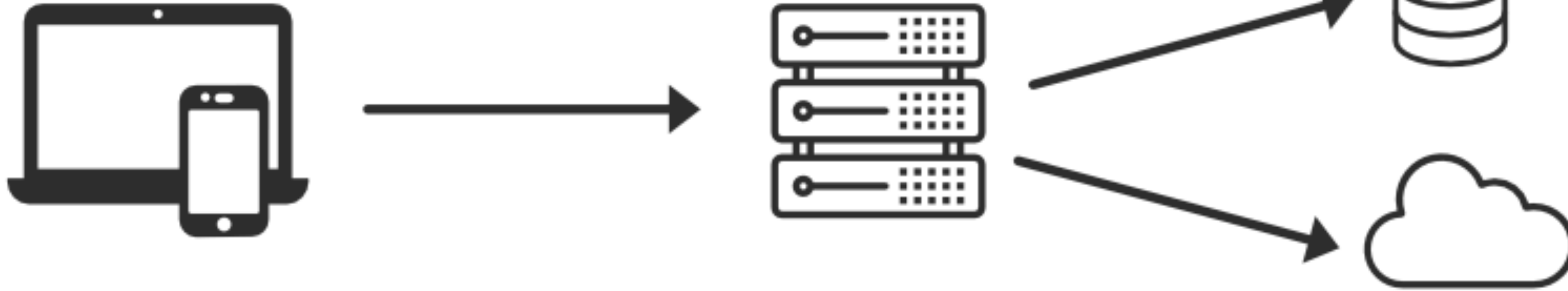
Android Development

Firebase Authentication

Android Development

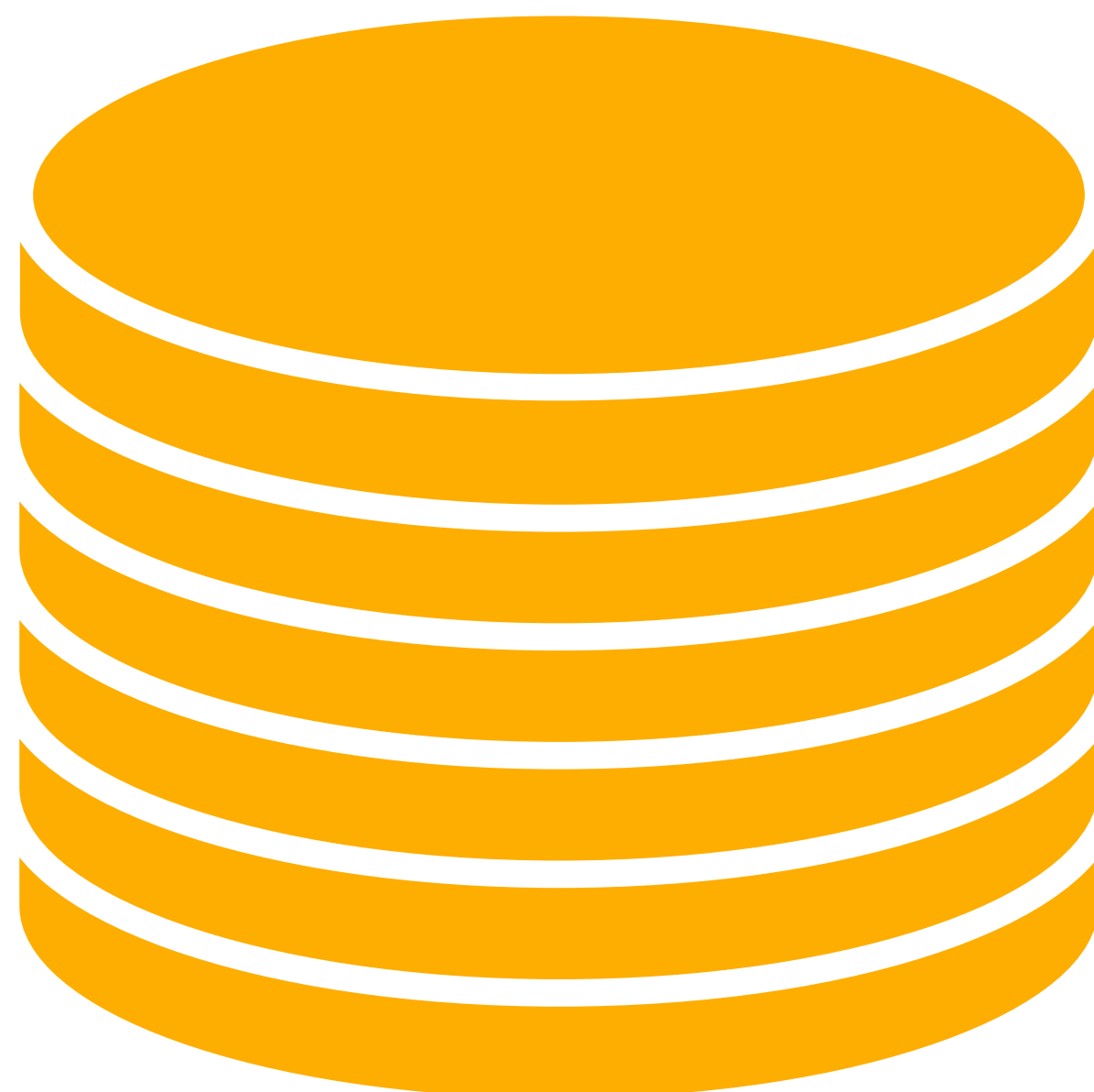
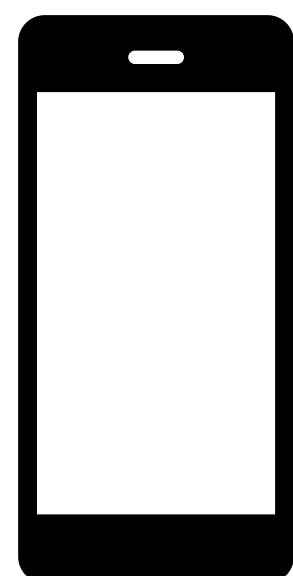
- Firebase elaboration
- Setting up Firebase Authentication
- Implementation example
- Workshop

Traditional



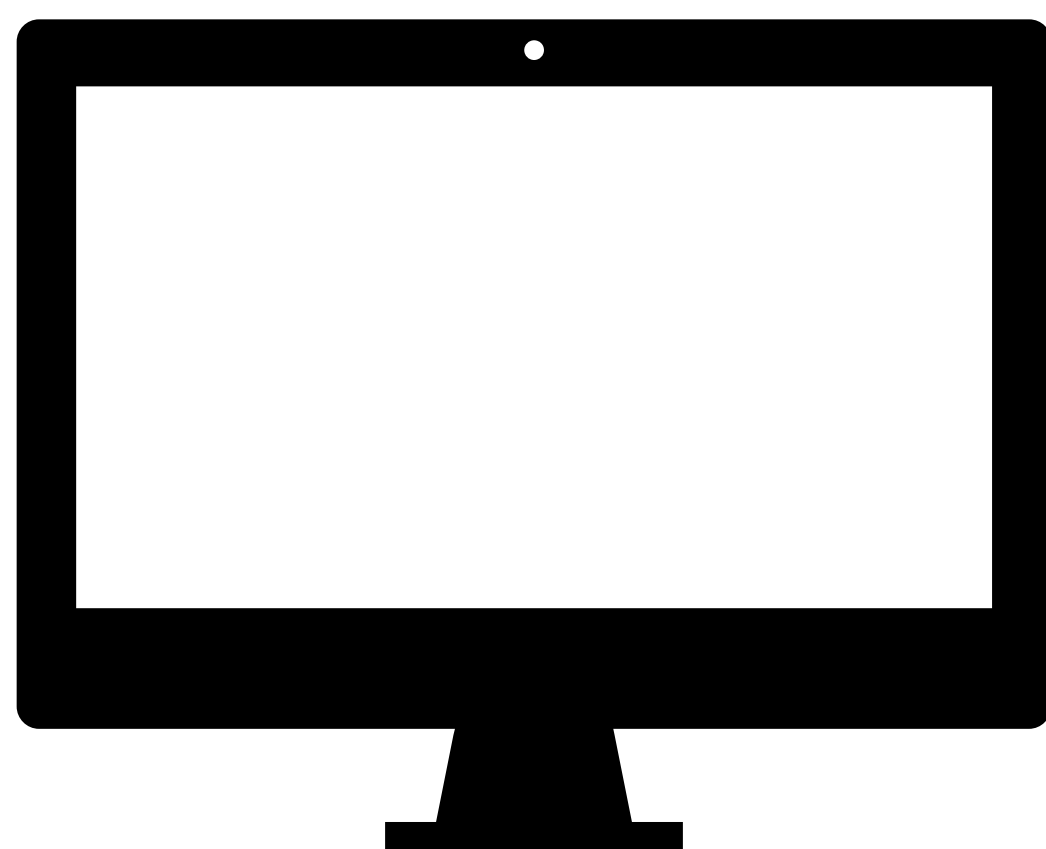
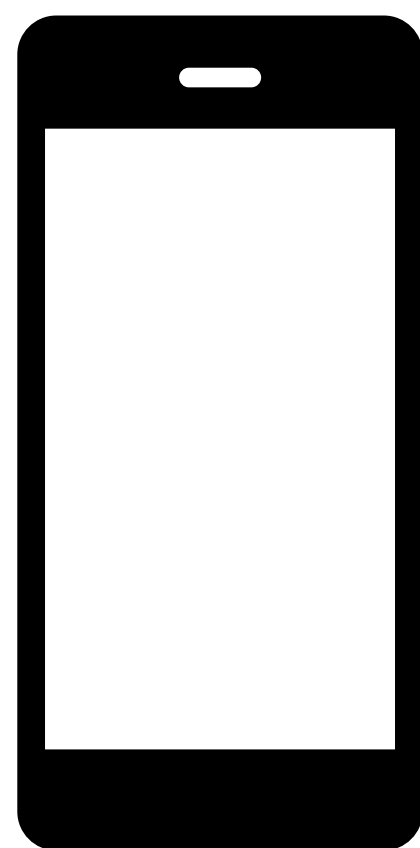
Firestore

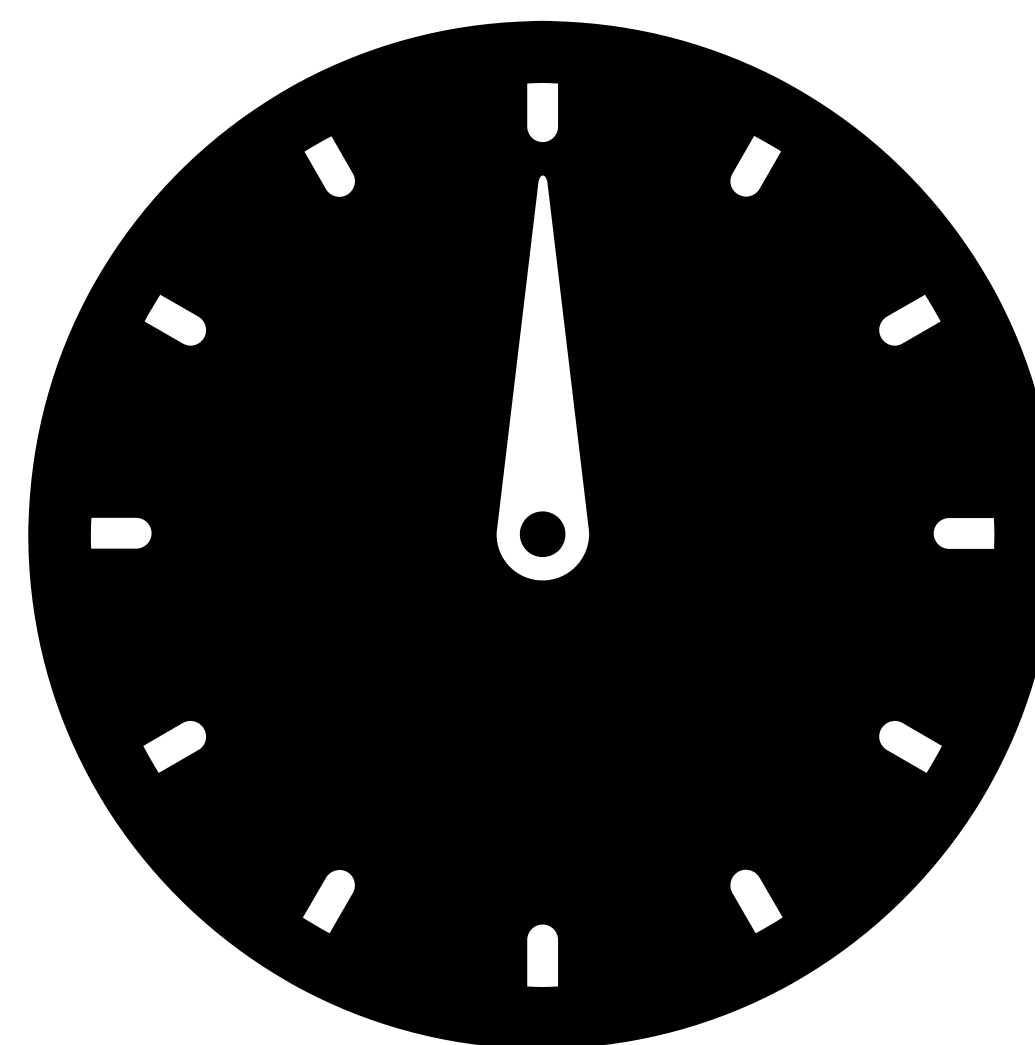
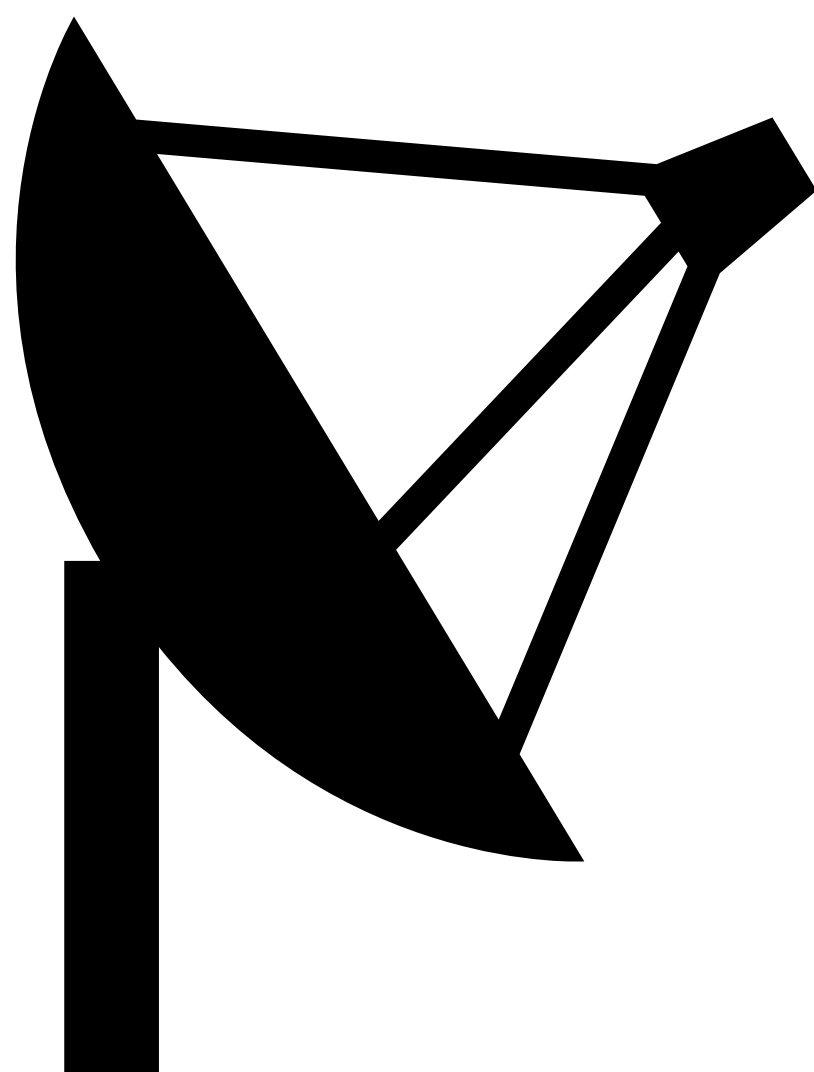
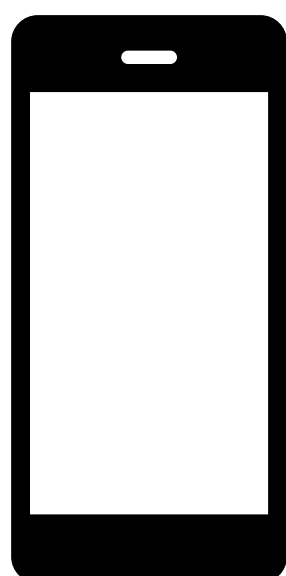




VS







Authentication

Users Sign-in method Templates Usage Settings Extensions NEW

Search by email address, phone number, or user UID

Add user

Identifier	Providers	Created ↓	Signed In	User UID
hehsad@asdasd.dk	<div></div>	Mar 24, 2023	Mar 24, 2023	DdzG3lYdF0geFEu5BtE7uOJqzNJ2
username@asdasd.dk	<div></div>	Mar 24, 2023	Mar 24, 2023	s9R5s4ZwJtbPD76HdcqO4KevgRa2

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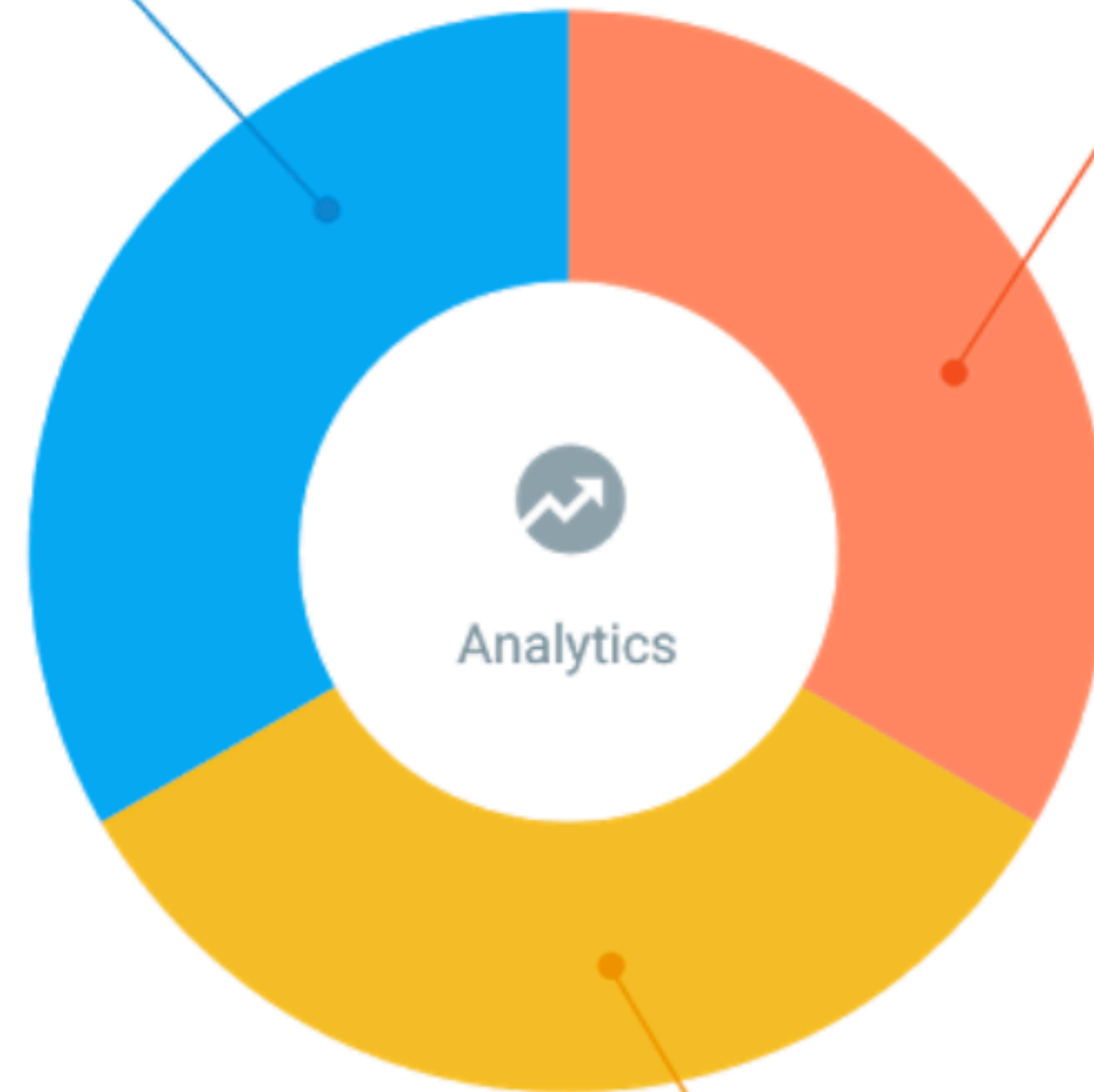


Backend as a service








DEVELOP

-  Realtime Database
-  Authentication
-  Cloud Messaging
-  Storage
-  Hosting
-  Remote Config
-  Test Lab
-  Crash Reporting

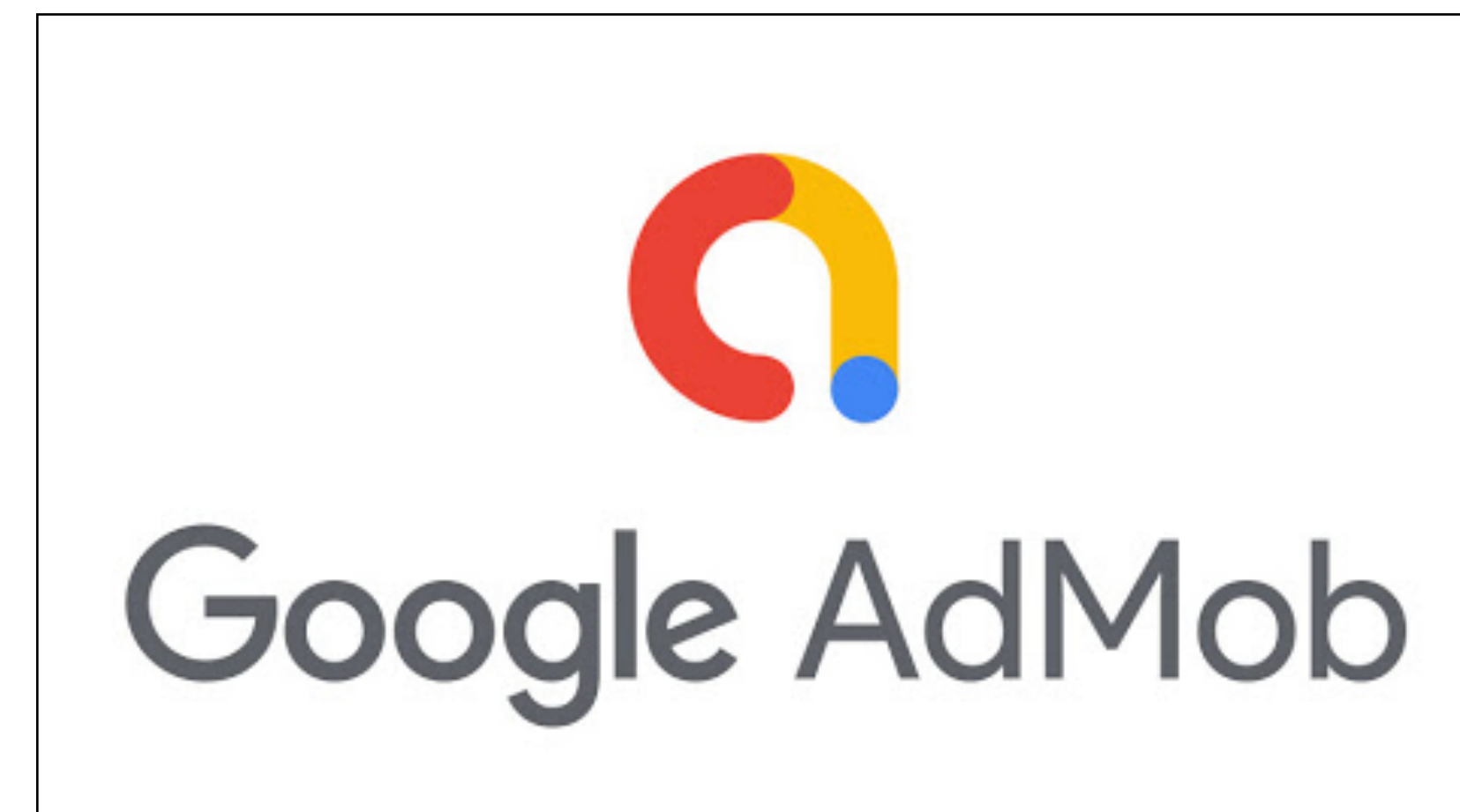
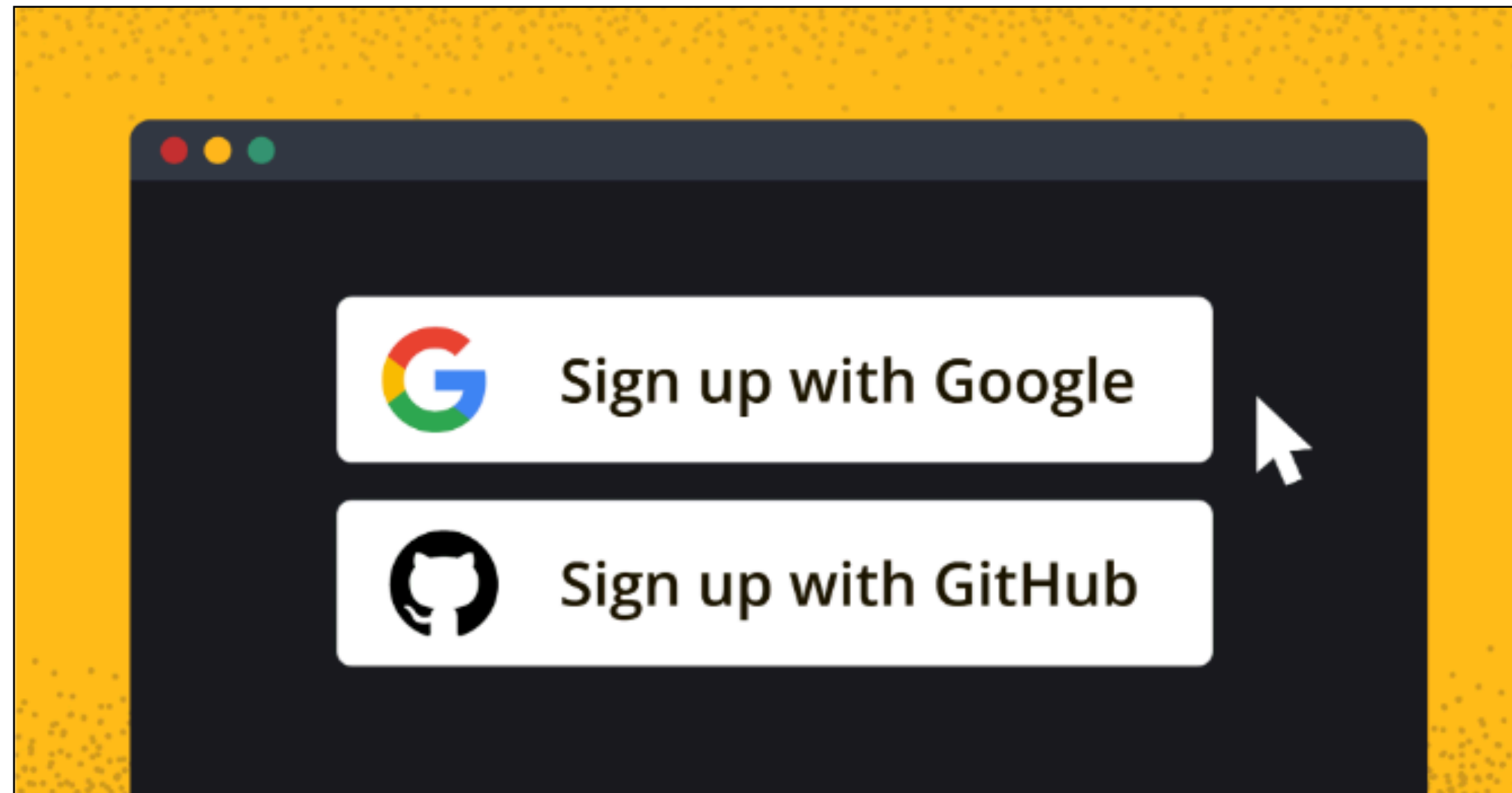


GROW

-  Notifications
-  App Indexing
-  Dynamic Links
-  Invites
-  AdWords

EARN





Kotlin+KTX

Android

Java

Android



```
FirebaseUser user = FirebaseAuth.getInstance().getCurrentUser();  
if (user != null) {  
    // User is signed in  
} else {  
    // No user is signed in  
}
```

MainActivity.java 

**Password:
ADMIN123**



Hashing+Salt

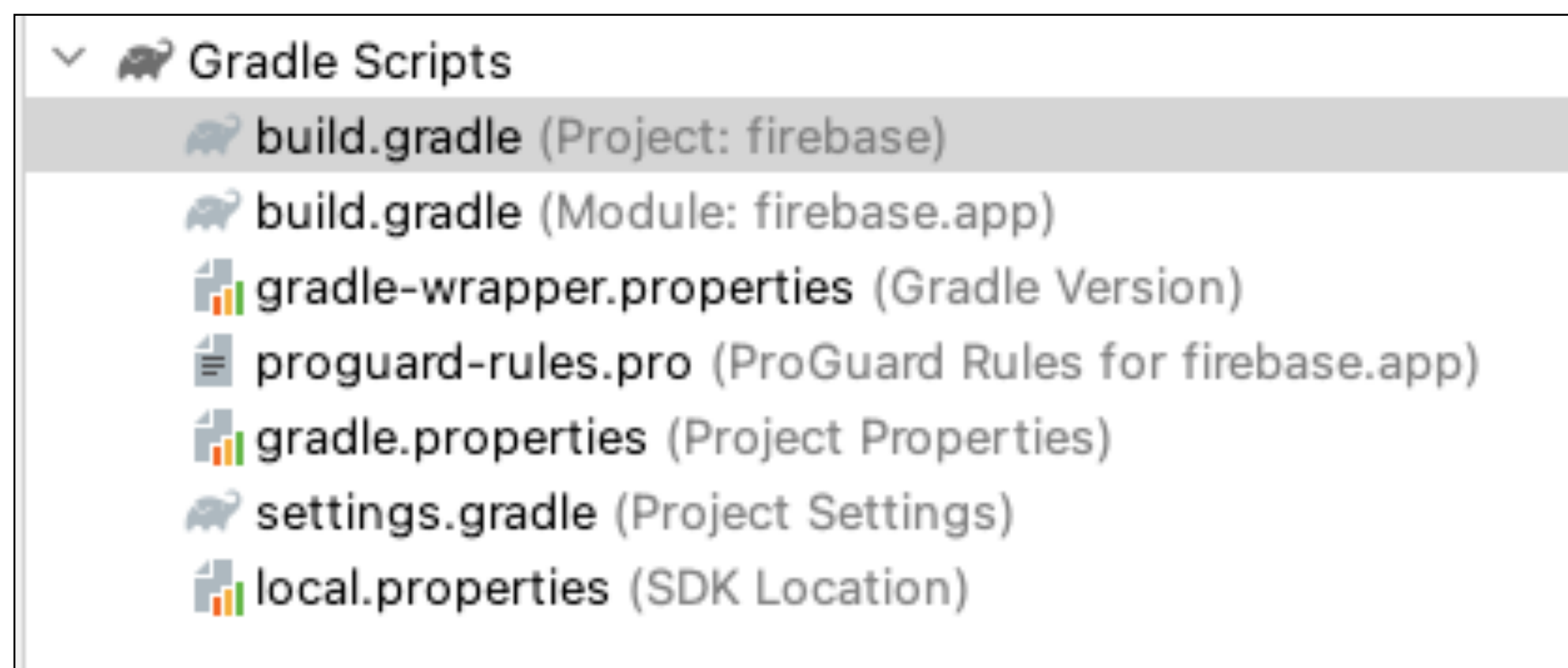


**Password:
nak(SdnL"€n389**

Authentication

Setup

- Configuration can be tricky but makes development **much** easier
- 3 main things to remember:
 - Dependency management in gradle
 - Connection by Google Services - google-services.json
 - Setting up the project on firebase console



- × Add Firebase to your Android app

1 Register app

Android package name [?](#)

com.company.appname

App nickname (optional) 

My Android App

Debug signing certificate SHA-1 (optional)

00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:00:(

 Required for Dynamic Links, and Google Sign-In or phone number support in Auth. Edit SHA-1s in Settings.

Register app

- 2 Download and then add config file

3 Add Firebase SDK

4 Next steps

Be *aware*

Why my project will *not* work on your computer

google-services.json