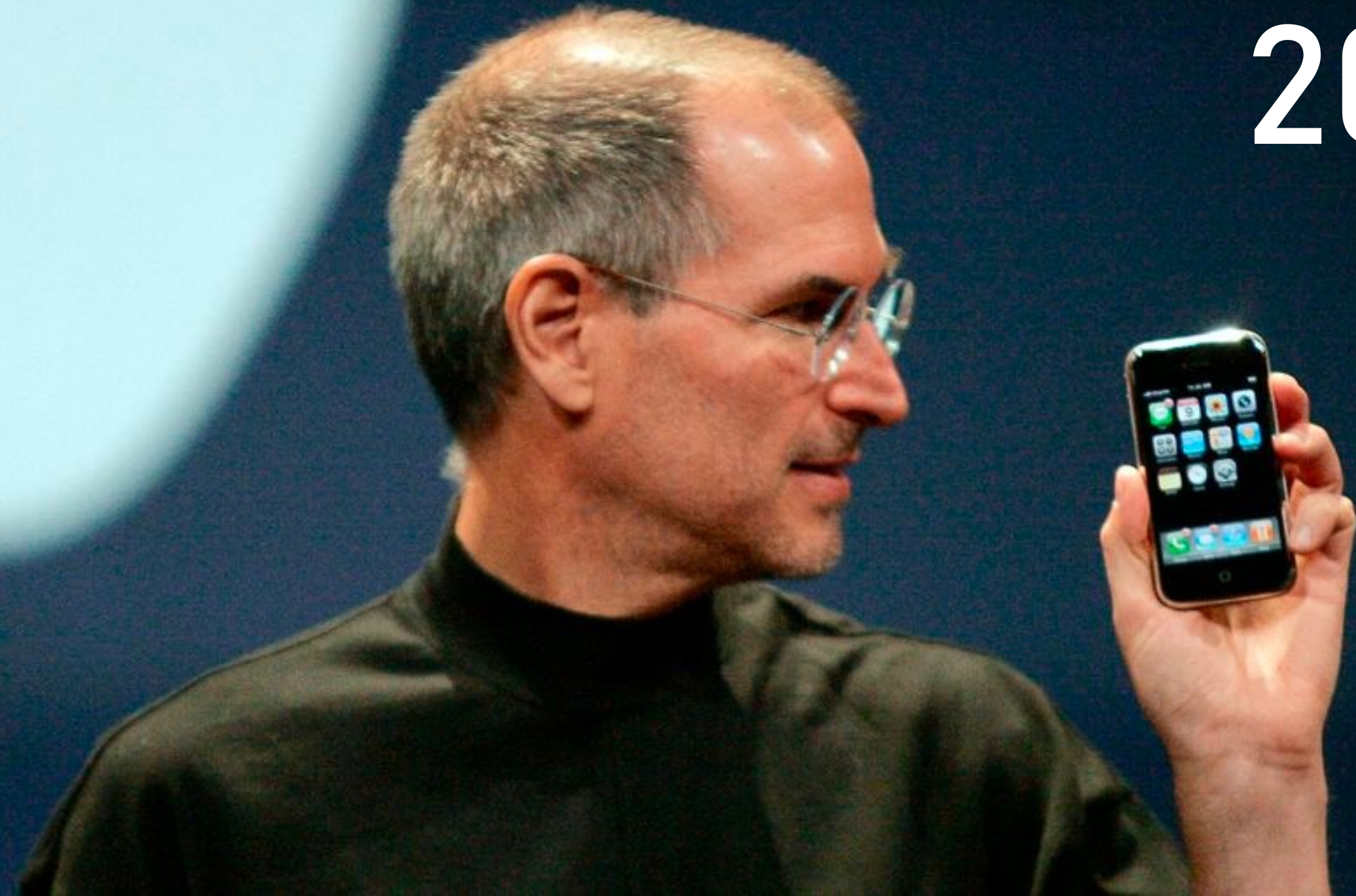


Native & Hybride Apps

Denkanstoss 22. März 2023

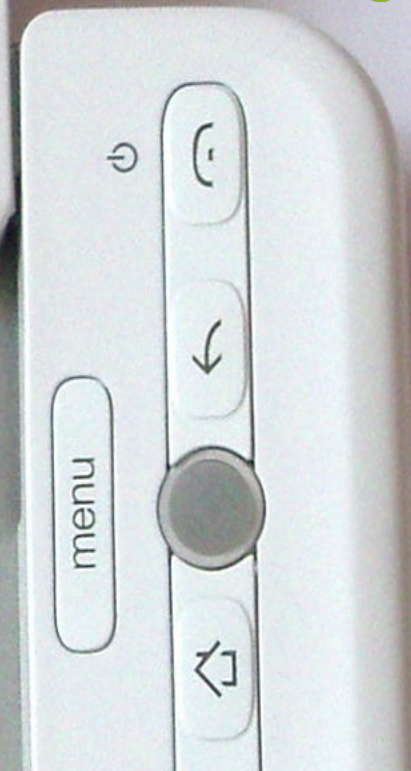
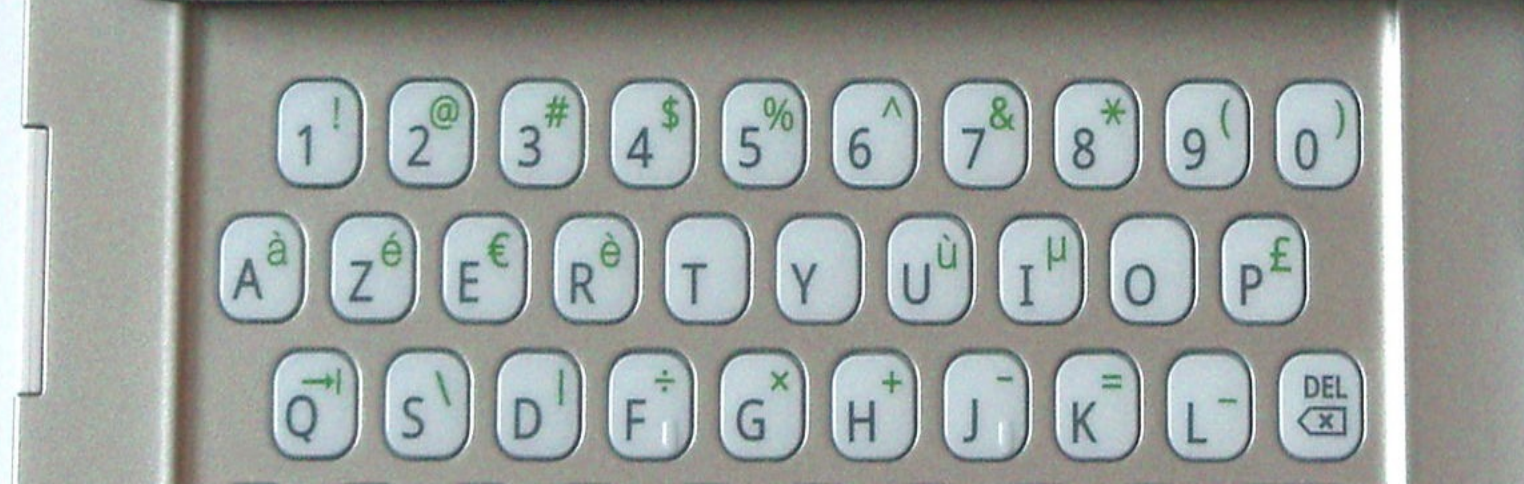
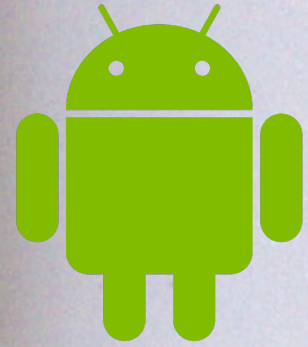
Benjamin Lüscher, Dimitri Suter

2007





2008



Ihre heutigen Denkanstösser

um 2007 / 2008



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Ihre heutigen Denkanstösser



Benjamin Lüscher

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Dimitri Suter

Mobile Engineer

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Das erste "Smartphone"

- IBM veröffentlichte 1993 Simon
- 1 Stunde Akku und 1 MB RAM
- Kalender, E-Mail, Adressbuch ...



Umwelt fühlen und verändern



Sensoren

- GPS
- Microphone
- Camera
- Magnetometer
- Touch
- Thermometer
- Beschleunigungssensor
- ...

Aktuatoren

- Display
- Lautsprecher
- LEDs
- Vibration
- WiFi
- RFID
- Bluetooth
- ...

Mobile Operating Systems



Mobile Operating Systems



Mobile Operating Systems





Mobile Operating Systems



Mobile Operating Systems



Womit baue ich eine App?



Swift (Swift UI)
früher: ObjC (Storyboard)

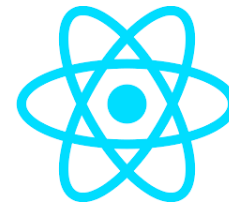


Kotlin (Jetpack Compose)
früher: Java (View XML)



PWA

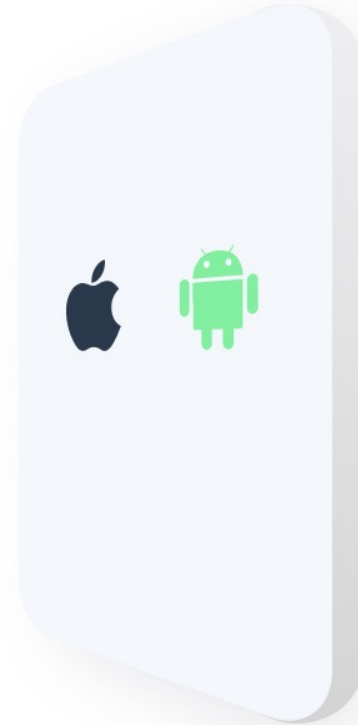
Hybrid &
Cross-Platform
Frameworks



Hybrid Beispiel "Ionic"



Native



App
iOS & Android

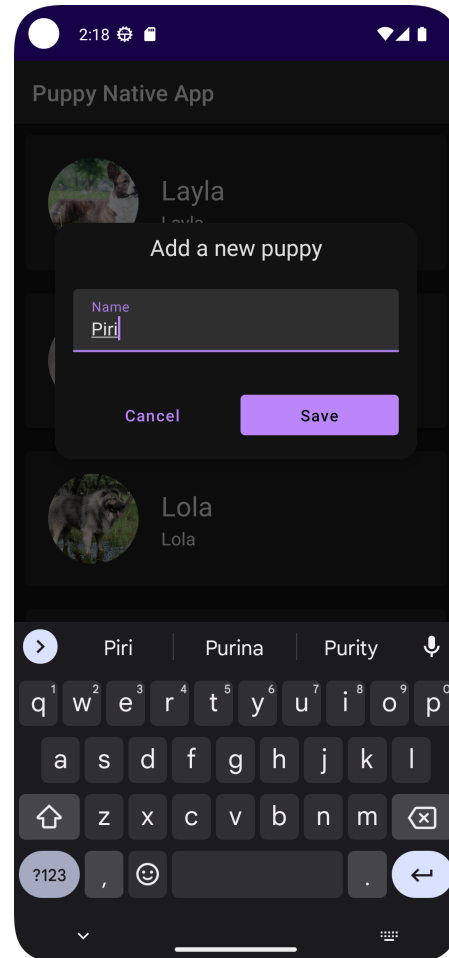
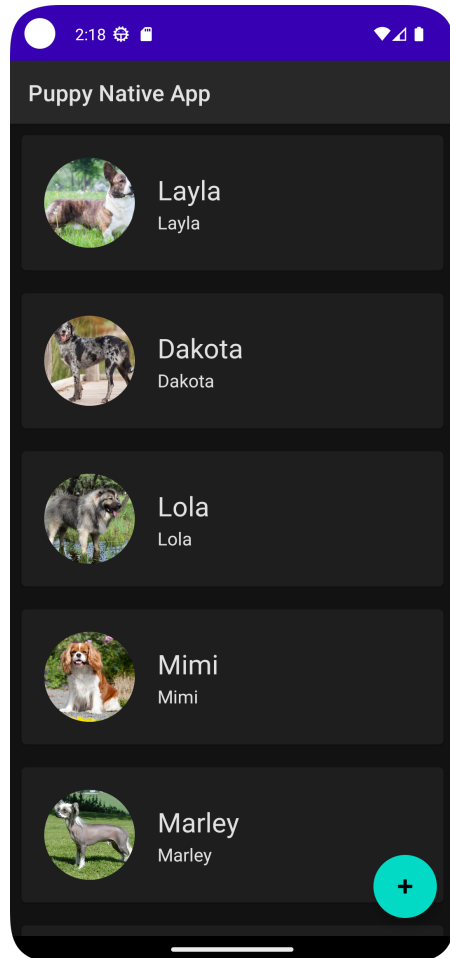
Hauptunterschiede



Native / Hybride

- Performance (z.B. Startzeit, UI)
- Unterstützte Software & Hardware
- Time to Market / Kosten

Vergleich (Native / Hybride)



Ausgangslage:

- 250 🐶 Liste (JSON)
- 🐶 + Hinzufügen

10:40

61%

Di., 21. März

10 °C

10:40



Denkanst...



Puppy App



AnyConn...



TwintWLD...



EHIC-ID S...



NZZ



Translate



DeepL Tra...



Social Me...



VPN



SimpleCur...



Covid Cert



Maps



Übersetzer



10:37

57%

Di., 21. März

10 °C

10:37



Denkanst...



Puppy App



AnyConn...



TwintWLD...



EHIC-ID S...



NZZ



Translate



DeepL Tra...



Social Me...



VPN



SimpleCur...



Covid Cert



Maps



Übersetzer



Dev Performance

1.6x Entwicklungszeit -> im Vergleich mit Hybrid

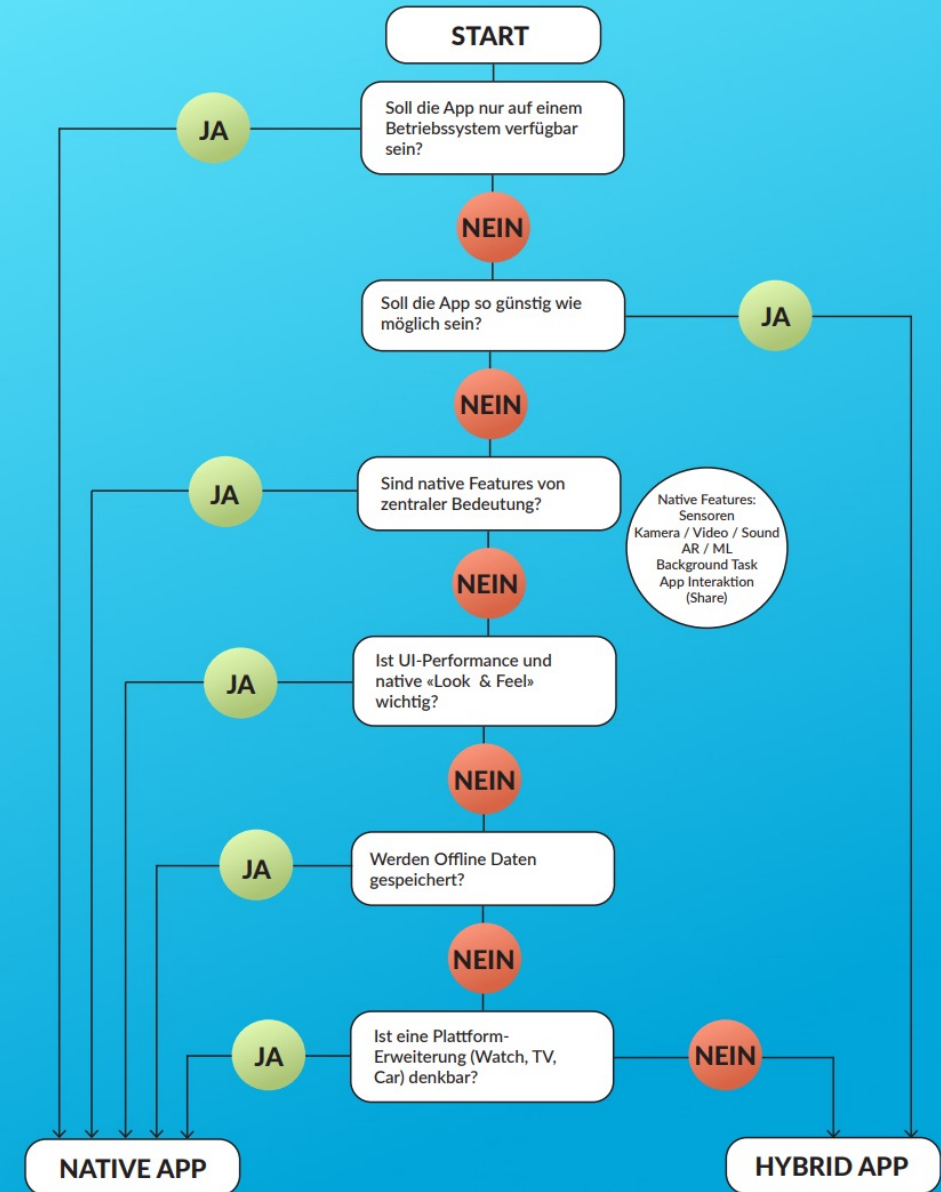
Entscheidungsbaum



edorex.ch/blog

Welche Technologie ist die richtige Wahl?

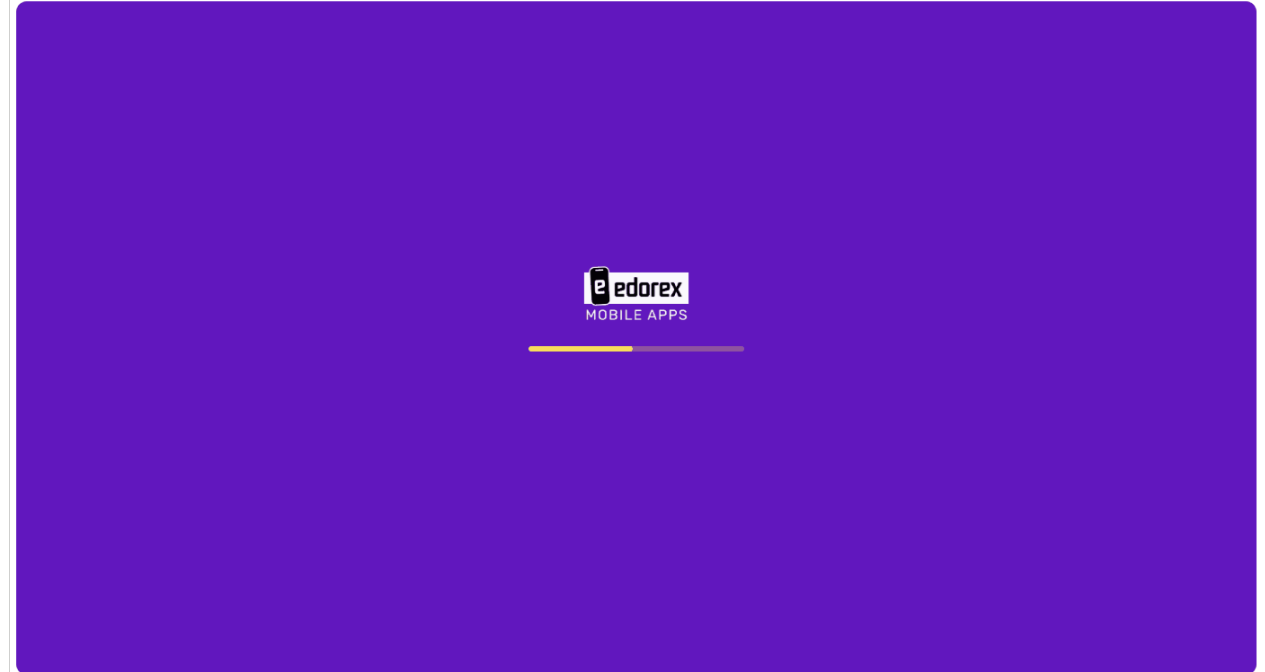
NATIVE ODER HYBRID



Entscheidungsbaum



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...mehr:

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