



{EPITECH}

T-DEV-703 – APP Dev

Kick-off

} Why practicing mobile development?



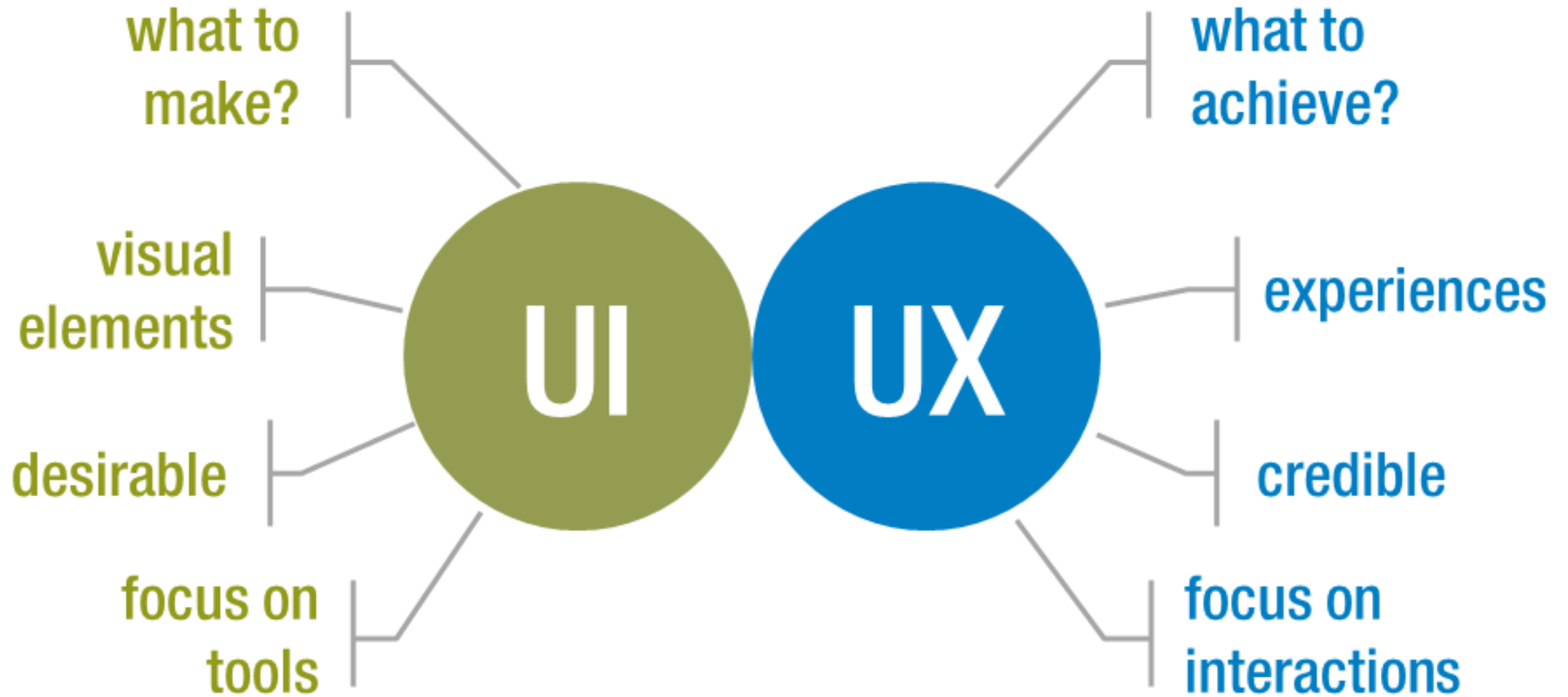
- Mobile devices are the primary way people access digital services.
- Mobile devices offer unique features (e.G. camera, GPS, ...) enabling the creation of highly engaging applications.
- Mobile technology evolves rapidly, providing continuous learning and growth opportunities for developers.
- Mobile development skills are in high demand.

} App dev main challenges



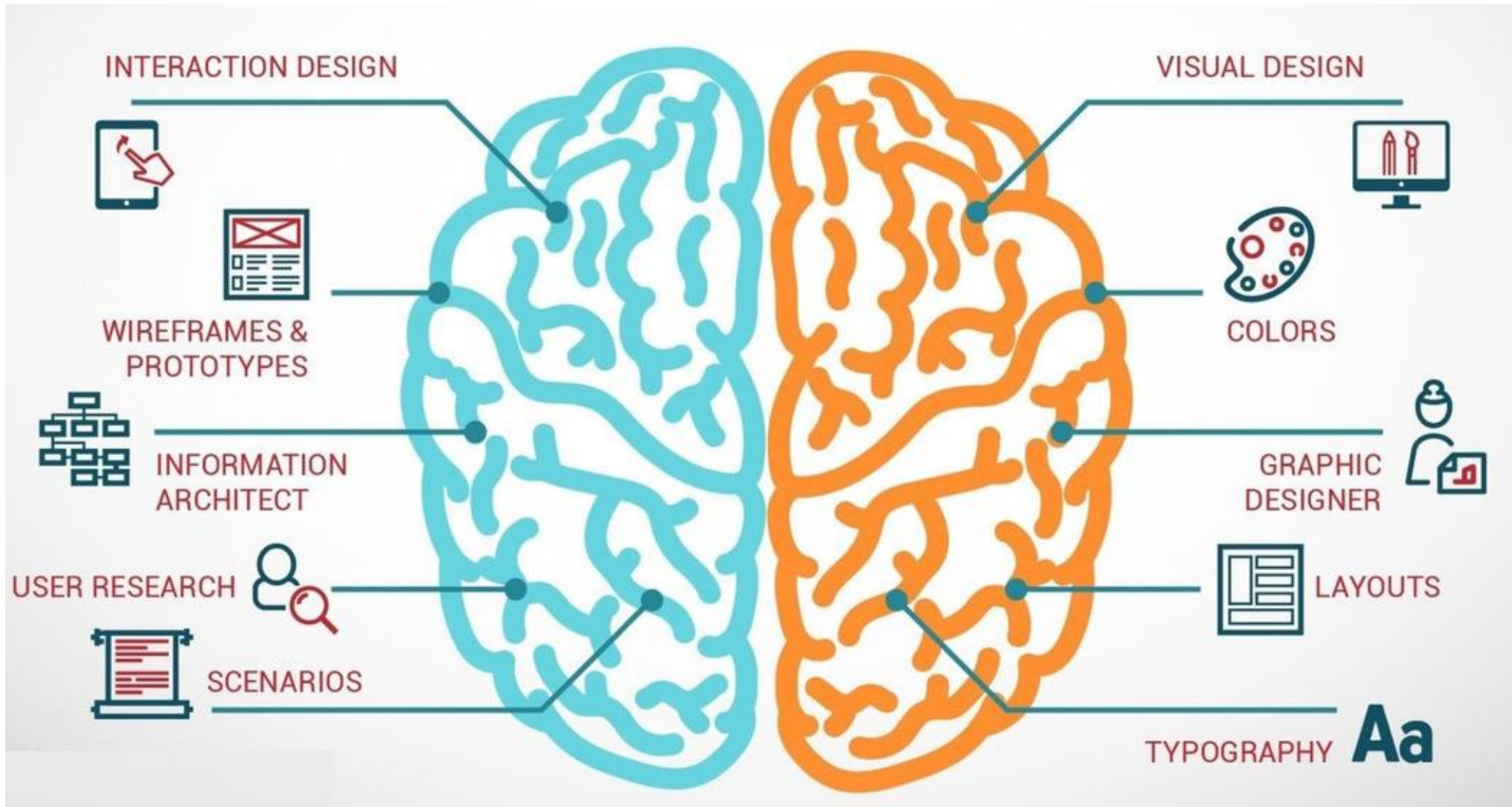
- OS variability (Android, iOS)
- Countless devices and configs
- Performance optimization
- UX/UI strong expectations
- Security concerns
- Store compliance
- Accessibility

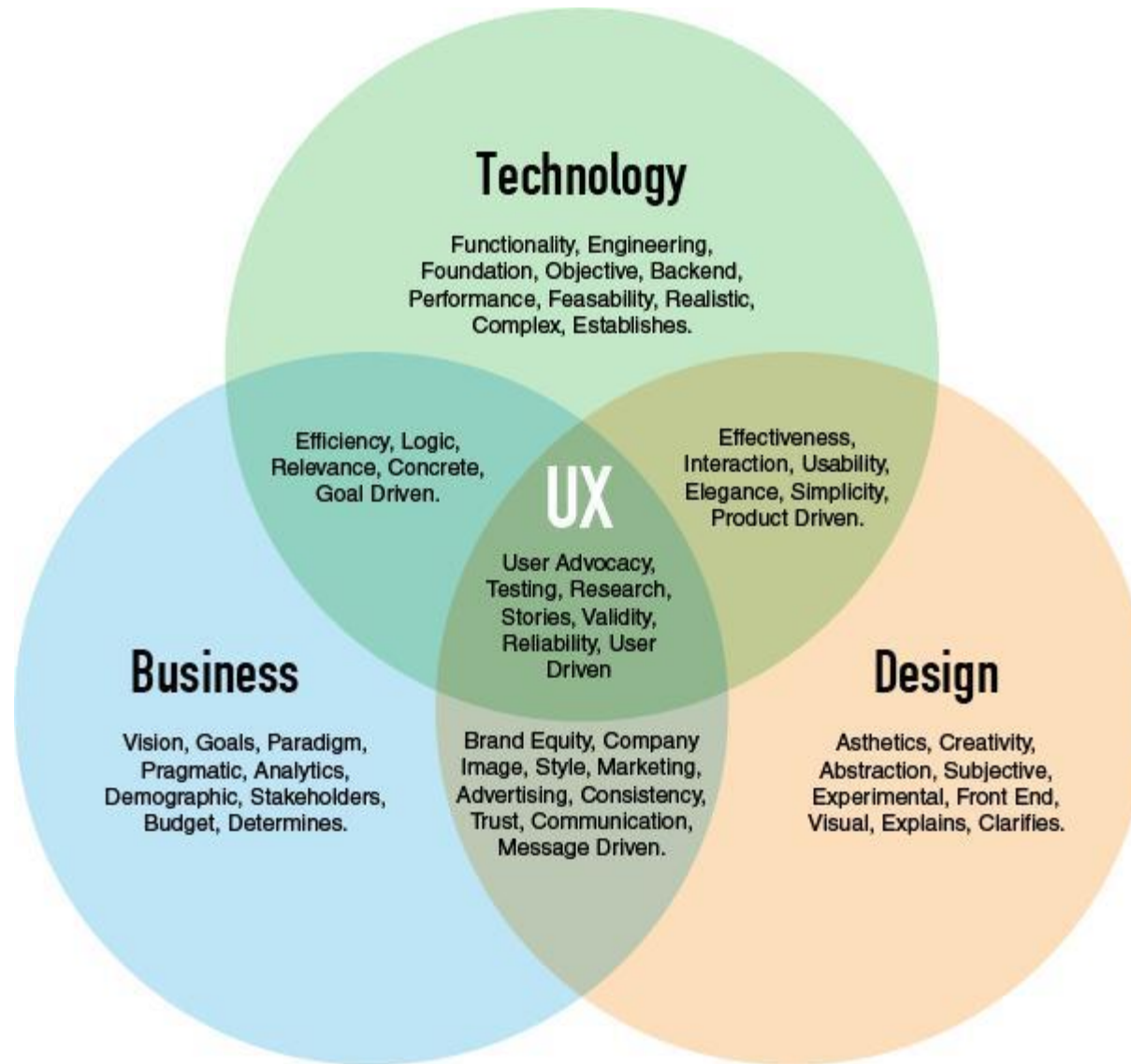
} Don't neglect the design





Design thinking





The Thumb Zone



} Cross platform / Native



Cross platform != Native



Native

- One code for one platform
- Specific language for a platform
- Pros
 - Better app performance
 - Better user experience
 - Greater security
- Cons
 - More ressource to develop app (one code, one platform)
 - No compatibility with other platform



Swift



SwiftUI

Better apps. Less code.



Kotlin



Java™

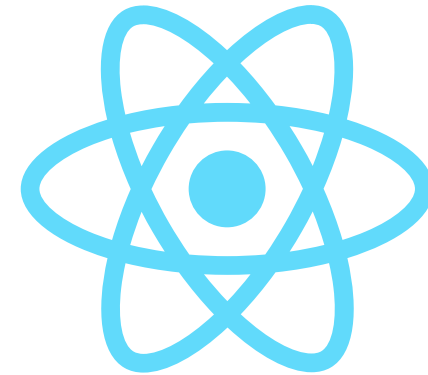


Cross Platform

- One code for android and iOS
- Pros
 - Single code base
 - Great collaboration
 - Lower app development cost
- Cons
 - Necessity to write native code for some cases
 - Performance



Flutter



React Native



Xamarin

} Some mobile considerations to address



- Does my product have to be nomadic?
- Do I need to engage my audience?
- Can my display be simplified?
- Do I need to access mobile's native features?
- Do I need to push notifications?
- ...

Thank you



Any questions?