

What is Native and Hybrid Mobile application development?

Native Application

Native apps are built for specific platforms and are written in the languages the platform accepts (for example, Swift and Objective-C for iOS apps and Java for native Android apps). Native apps are fast and responsive, distributed in app stores, offer intuitive user input and output, and don't require an internet connection. Overall, native apps offer a better user experience but are more expensive than other options.

Advantages of Native Applications

- Developed in platform specific language like Java for Android and Swift C for iOS.
- Separate code for each platform
- Responsive and smother experienced for the user
- It can directly access the hardware like GPS, display, CPU etc so they are faster in execution.
- Native Apps: Pokemon Go, Paypal, Gmail.

Hybrid Application

Hybrid applications are essentially a combination of native apps and web apps. A hybrid app consists of two parts: the first is the back-end code, and the second is a native shell that is downloadable and loads the code using a webview. Hybrid apps are less expensive than native apps, don't require a browser and can leverage device APIs, however they are slower than native apps and you can't customize the application to individual platforms like native apps.

Advantages of Hybrid Applications

- Developed using HTML, CSS, Javascript
- Write once, Run anywhere
- Unified development (Cross-Platform)
- Faster Development & save time and money
- Single CodeBase