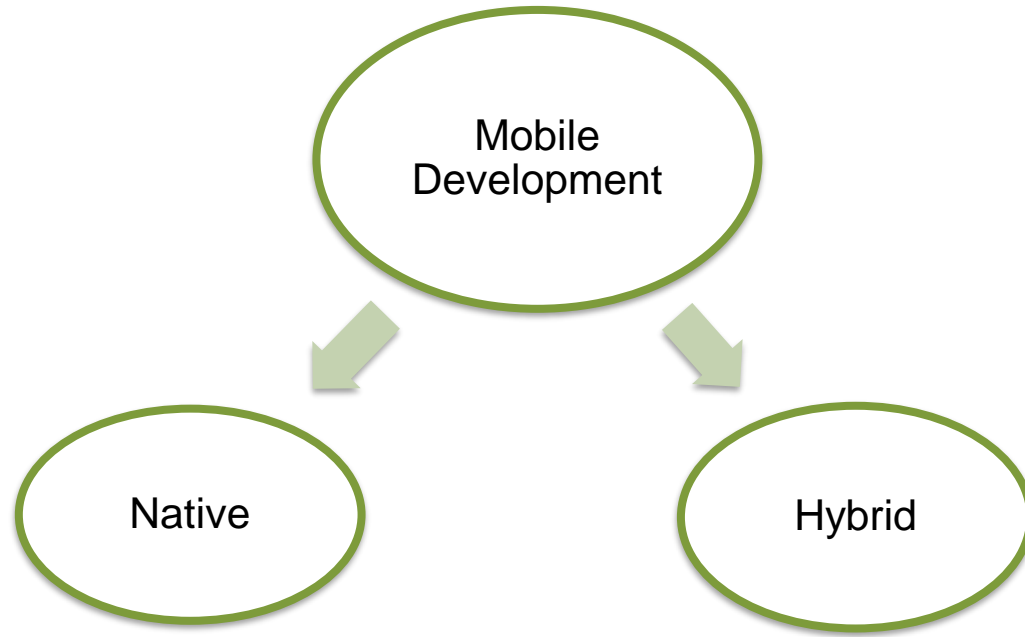


Mobile App Development



Type of Mobile Dev



Native Mobile Development

Native mobile app development involves building apps for particular mobile operating systems, and users access them from dedicated app stores (such as the App Store or Google Play).



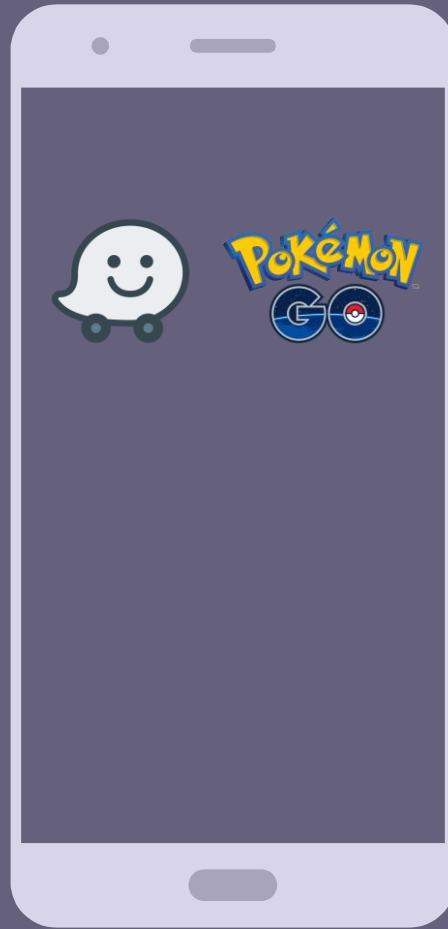
Benefits of Native App

- Fast and responsive native performance
- More Secure
- Native Apps Allow Developers to Access the Full Feature Set of Devices
- Native Apps Are More Interactive And Intuitive



Example of Native App

- Waze
- Games App



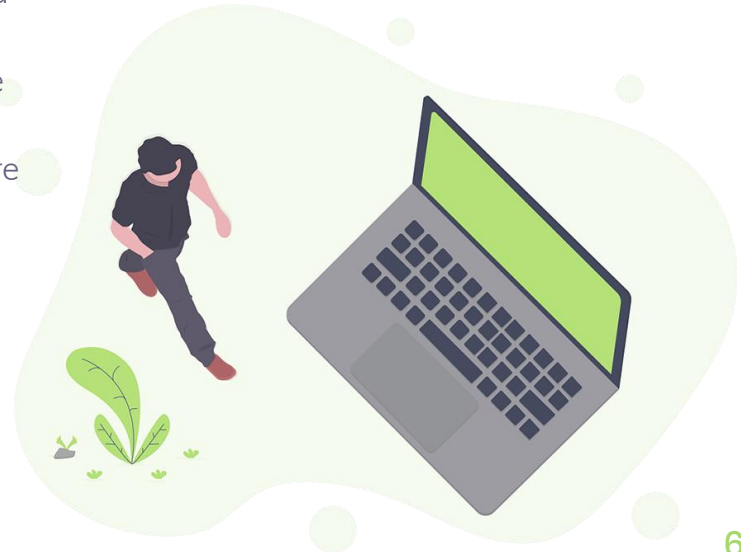
Integration wit ArcGIS

Android

ArcGIS for Android is built on the ArcGIS Runtime Software Developer Kit (SDK). This SDK lets developers create custom, spatially enabled applications for Android devices and is designed to use web services available from ArcGIS. The ArcGIS Runtime SDK for Android is now available for free and can be downloaded from the Esri Resource Center.

iOS

ArcGIS for iOS uses capabilities from ArcGIS Online to provide a seamless and easy user experience. Users can navigate maps and discover assets from Web services as well as capture new data from the field and send information back to the server.



Hybrid App Development



Hybrid App Development

Hybrid apps are native apps. They're downloaded from the platform's app store or marketplace and offer the same native features, offline support, and hardware-based performance acceleration as any app built with a native SDK.

The key difference is that hybrid apps are built using open web technologies like HTML, CSS, and JavaScript, rather than the proprietary or specialized languages used by iOS, Android, and others.



Benefits of Hybrid App Development



Write once, run anywhere



Deliver a great user experience
across platforms



Use the talent you already
have



Build for the future

Benefits of Hybrid App Development

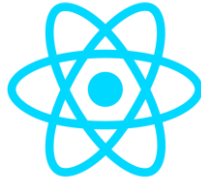
Native Development



Hybrid Development

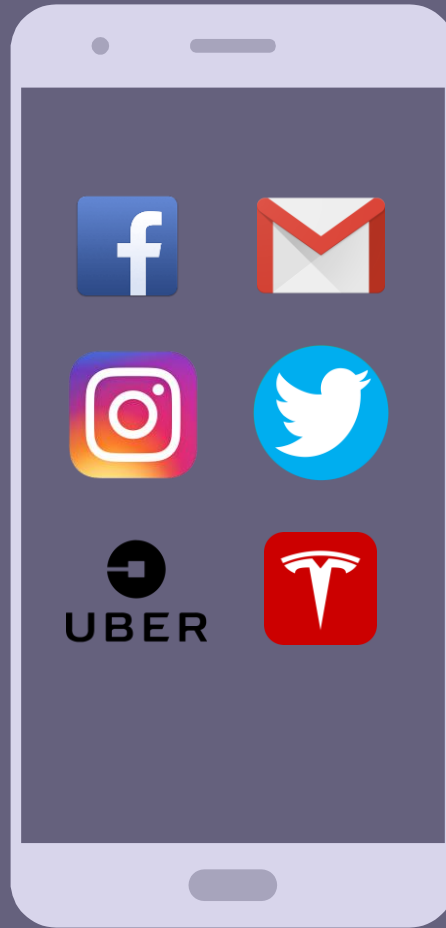


Hybrid Mobile Development



Example of Hybrid App

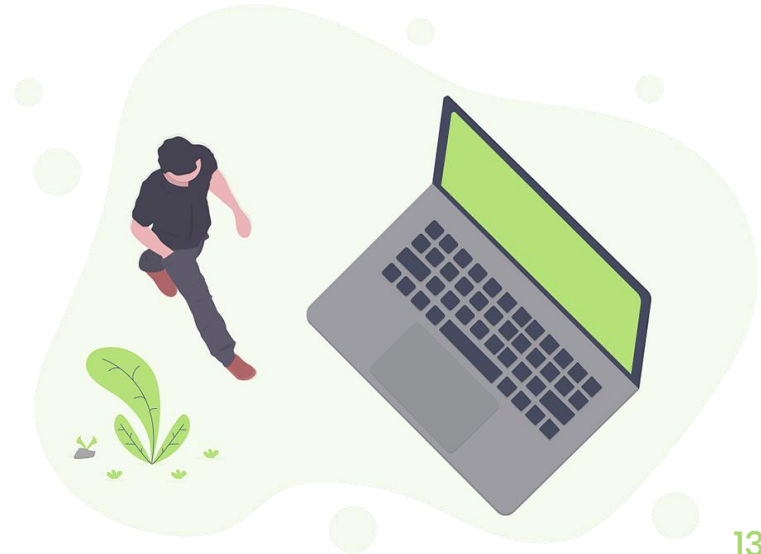
- Facebook
- Instagram
- Uber
- Twitter
- Gmail
- Tesla



Integration wit ArcGIS

Hybrid

Most of the hybrid app development can access to the ArcGIS platform using their own module. These module or library have been made to make easier for user. They just required to configure the details (such as url, id) for connecting to the ArcGIS



Comparison

	Native	Hybrid
Development Cost	Higher	Lower than Native
Performance	Fast as all element are stored in device memory	A bit slower than native as require to load from server
Code Portability	Commonly code for one platform can't be used for another	Most of hybrid codebase tools can be ported to major platforms
Maintenance / Update	Maintenance of app will be as much higher, as much platforms it is developed for	Easy and fast as there are only one codebase to be maintained



Thank You!

