



# Mobile Application Development

Industrial way of doing Mobile App  
Development



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# What are Mobile Solutions ?

# Mobile solution technologies

- SMS
- USSD
- IVR
- Smartphone Applications
- Etc .

# SMS

- Bulk messaging
- SMS survey
- SMS voting
- Code verification
- APN setting messaging

# SMS App frameworks

- Dialog ideamart
- Mobitel MSpace

# USSD

- USSD menu based services

# USSD App Frameworks

- Dialog ideamart

# IVR

- Voice recording player
- Text to Speech
- DTMF applications



# IVR App Framework

- Asterisk

# Smartphone Applications (Mobile Apps)

- Android
- iOS
- Windows Mobile
- Blackberry

# Types of smartphone apps

- Native
- Web-based
- Hybrid

# Native Apps


- Android - JAVA | Android Studio
- iOS - Swift | XCode
- Windows - C#, VB.NET or C/C++ | Visual Studio

# HyBrid Apps

- Flutter
- React Native
- Ionic
- jQuery Mobile
- Phone Gap

Etc..

Hybrid  
Vs  
Native



# Story begins .....

An advertising firm called The Global Advertising needs to develop a mobile application to publish their ads to the public. The basic 2 requirements are as below.

1. Publish ads both by the company and the end users of the application.
2. View those ads by the application users

We have got the business. Are we going to start coding now?

NO ..... !

We have to go through some pre-analysis steps ....



# Asses the legal feasibility

Both local and international

# Decide Application Architecture

Single-tier

Or

2-tier/Client-Server

If the technology chosen is Smartphone application, then decide the platforms to be supported

Android, iOS, Windows, Blackberry

# App Store policies

# Design App UIs

# Ready the tools stack

Version control system

Project management system

Android Studio, JDK, SDK, xCode

Visual Studio

# Android Native Project Structure

# Application Security

Code obfuscation

Root detection

Debugger detection controls

Checksum controls

Set allow-backup flag false



# Screen size best practices

# Cloud services for mobile apps

Google play console

3rd Party Libs

Thank you .....!