

Mobile Application Framework

Task 01

01)

For this purpose, I choose a **Hybrid** Mobile Application framework.

Here are the reasons for choosing a hybrid framework:

The Hybrid Framework makes it more economical to create.

It also has the potential to create a single application for all platforms.

Minimizing the inconvenience of developing and reapplying can be helpful.

02)

Mobile Web Apps:

Progressive: Always up-to-date.

No installation needed.

Reduced business cost.

Cons Interface not that sophisticated.

Security risk.

Take a longer time to develop.

Progressive Web Apps

Progressive: PWAs gets updated like web-pages.

Sharing is Easy.

PWAs gets updated like web-pages.

Low on Data.

Cons Full support is not available in default browsers of some of the manufacturers.

Traffic from Play Store cannot be directed to the mobile app.

Plugins can't fetch data from Facebook and Google Apps.

Native apps

Progressive: Easily interact with any feature of the phone.
very fast.
Easily distributed in google apple app stores.
Low on Data.

Cons Expensive to develop.
 Built for a single platform.
 Hard to maintain.

Hybrid Apps

Progressive: Single app for all platforms.
No browser needed
Faster to develop than native apps.
Easy to build.

Cons Slower than native apps
 More expensive than web apps
 Less interactive than native apps

03)

04)

1. Know Your Audience.

User Country of Origin, User Age, App Topic, App Intent.

2. Involve the App Development Team.

Device Optimization and Performance, App Security, OS Optimization and Performance, API Security.

3. The Importance of Testing.

Unit, Integration, System, Acceptance, Performance, Security.

4. Prepare for Maintenance and Updates.

5. Stay Lean and Agile.

6. Know Your Competition.

7. How to Monetize the App.

05)

Whatsapp:

I can send text, share photos, videos, location and make voice and video calls over the internet. It does not need any costs as long as you have a Wifi Connection or mobile network. You can use Whatsapp by downloading the app on mobile or use it on the web as well.

Facebook:

I can expand my network through Facebook by adding friends from different countries. I can see and upload photos, share humorous stories, comment and chat with my friends even overseas. I can get the latest news from worldwide through Facebook.