

MOBILE APPLICATION FRAMEWORK

Report

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01.

There are 3 mobile application frameworks.

- 01. Native
- 02. Hybrid
- 03. Progressive Web

My solution for “ToDoNotes” is Hybrid Apps.

Reasons are:

- 1. Lower development costs
Compared to native app development approach, the hybrid app development is proved to be 30% cheaper.
- 2. Fast development
With hybrid development approach, mobile app developers don't need to write unique code for each platform.
- 3. One code base for multiple platforms.

02.

NATIVE APPS

Pros

1. Apps don't require internet connection
2. Highly secured
3. Best functionality and user experience

Cons

1. Runs only one platform
2. Subject to slow app store reviews.
3. Costs a lot to develop

HYBRID APPS

Pros

1. Lower requirements
2. Cheaper prices
3. One code base for multiple platform

Cons

1. Slow performance
2. Functionality limitations
3. Long wait for new features

PROGRESSIVE WEB APPS

Pros

1. Can be used offline
2. Can be installed on the mobile home screen
3. Progressive and responsive

Cons

1. Greater use of the device battery
2. Limited access to some hardware components of the devices.
3. Missing out on app store traffic

03.

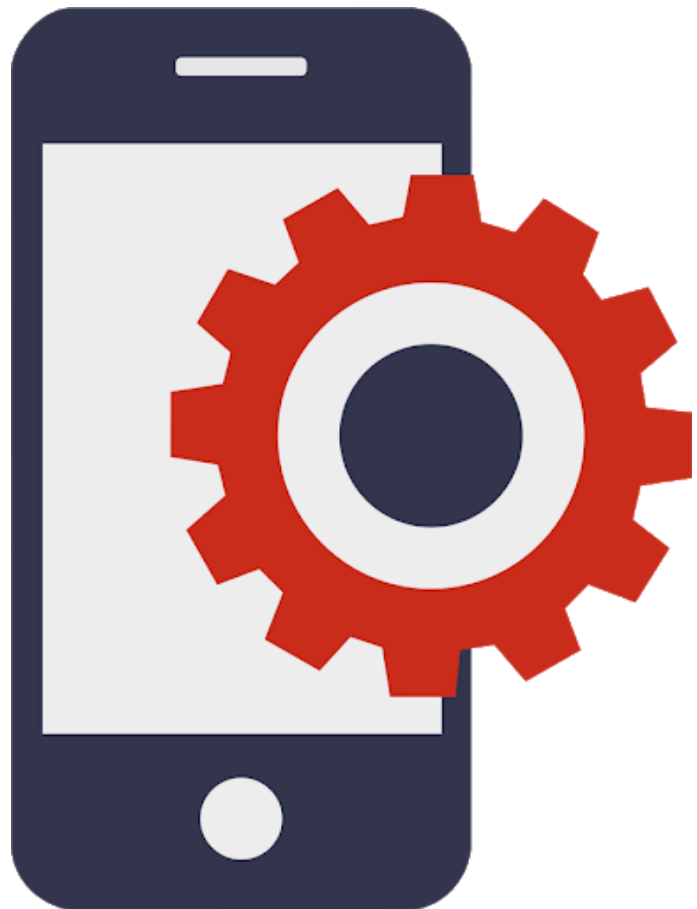
My idea is when we get mails about scheduled meeting or any scheduled details if that save in ToDoNotes and remind us before the meeting it will helpful to us.

And if we can quickly capture photos in ToDoNotes It'll be very easy to take notes.

04.

Considerations

- Development costs
- Time to market
- Maintaining costs
- Performance
- Availability
- Security
- Hiring
- UX



05.

My favorite mobile application is “Ali express”.

It’s an online shopping application. It is very easy to use. There are 5 menu icons on the bottom. HOME, FEED, MESSAGES, CART, and ACCOUNT.

We can search anything here and my favorite feature is we can search products by AR scan, Image scan and QR Code. So when we don’t know the name of the product we can scan the QR code and it will show the product details if they have.

And also we can check reviews, many buyers upload the actual picture of the product after they got. So we can see the actual photos and order the items.

After we select items we can add to cart easily.

So there are some more feature in this application. So one of my favorite mobile application is Ali Express.

References

- <https://reactjs.org/docs/refs-and-the-dom.html>
- **React Native for Mobile Development Book**

The picture of the App running on my mobile

