

# Application Development Framework

## My Choice

I would propose React Native (Hybrid) framework to develop “ToDoNotes” mobile.

### Reason:

01. At first ToDo App is not need that much features to have. It is just a reminder app which can be develop by an individual developer. And The major selling point of React Native is the shorter development time. So, this will be a best shot.
02. Low cost to develop. So, don't have to spend lots of money on developing less feature apps.
03. One code for all platforms. So, this can be saving our time and we don't want to waste our time on writing multiple languages for small applications like ToDo.

## Comparison

### 01. Native

#### Pros

- Best functionality and user experience
- Fastest and most responsive
- Apps don't require internet connection
- Can tap into functionality of a device (gestures, camera, accelerometer, etc.)
- Distribution through the app stores.

#### Cons

- Separate code for different platforms (Android, iOS)
- Subject to slow app store reviews
- Expensive to develop
- Require frequent upgrades

### 02. Hybrid

#### Pros

- Low Cost
- Faster to build (can Save Time)

- One code for multiple platforms
- Simpler to maintain and update web technology than native technology

#### **Cons**

- Connection Limitation
- Native functionality
- Low UX than Native
- Medium level performance.

### **03. Progressive Web Apps**

#### **Pros**

- Very low cost
- Quick time to market
- Not much of coding
- No conventional installation processes
- Offline

#### **Cons**

- Low security
- Low UX
- High battery usage
- limited features

### **Value-Added Feature**

I suggest to add time feature for the ToDo list and add an alarm feature to ring on the exact time when the time of the work has come. This will be good for users to do their listed works on time without missing it. Because most of us forgot to check our mobile. So, this will be a good feature for users.

### **Considerations While Deciding A Mobile Application Framework**

- 01.** Development costs.
- 02.** Time to Market.
- 03.** Maintaining Costs
- 04.** Performance
- 05.** Availability

**06.** Security

**07.** Hiring

**08.** UX

## **My Favorite Mobile Application**

PUBG Mobile

### **Reason:**

It's a best experience. And also, its free on store. And it's easy to understand the gameplay. And we can get best experience by playing with friends. We can talk to each other and get some fun by fighting as a team. Their updates are really cool. They come up with new themes on every updates. And there are so many achievements on the games. Those make us more curious to play every day. So, I personally like the PUBG Mobile. It's a cool multiplayer game