

## (2) Application

The important thing about applications is that only the apps we use on our phones are. The point is that it is not an application. Also, while the web is something we use by copying things about the web from the server, applications are created by copying installation files from the server. We receive it, install it on our PC or mobile phone and use it. Know the difference clearly do.

What is an application version? First, let's say the version we are using is 'v1.0.0'. The update is now underway, but each company has slightly different policies. It may be different, but most of us don't know that it has been updated to v1.0.1. This means a change small enough to not cause any disruption in using the application. However, if the middle number goes up like this in v1.1.0, it means that a medium-scale update has occurred. means that Most of the time, this is compatible with lower versions without needing to update. Still, it means that there have been enough updates to warrant attention.

What if v2.0.0 was finally released? In order to continue using this service, we You will need to go to the store and update the app. Even if you don't want to update, On the developer side, except for one 'Go to update' pop-up button, All programs of that version would have been blocked.

However, sometimes, even though the version has not changed significantly, customers' It becomes necessary to match all versions. What is the case?

"What.. I paid 10,000 won, but why is 20,000 won deducted..?"

This is exactly the case. The price of a service has changed, and if you do not match the customer's application version, someone will continue to see the price from the previous version, and consumers who purchased it after seeing it will be confused as their money is taken out at a different price. This is also just an example, and the side that provides the application service needs to upgrade the version to suit the scale and guide all consumers to match the application version as needed.

Lastly, these days, there is something called a hybrid application that combines the web and apps. The information that must be provided to us immediately is obtained through the web, so the app

When a version is updated, priority information will be provided even if we do not update it.

You can. In other words, it can be said that it was developed to bring together the advantages of native applications and the mobile web. Which part is the app and which part is the web is called 'API'.

You can know more accurately through

---

## 6. Database



### (1) What is a database?

The “data” about people who use the services we provide is absolutely wrong.

Can not be done. Data cannot tolerate even 1% defects, and this property

This is called the “**integrity**” of the data . Let's look at a really extreme example. if

If the data were changed, especially at a bank, there would be chaos as our money would be withdrawn from someone else's account.

But how on earth do we manage so many people's data? if

When the computer moves to find data about person A

You have to go from number 1 to number n to find the data, and even edit it if a request for modification is received. This may not matter if there are only a few customers using our service, but what happens if 1 million people use it? From 1 to 10,000