Firebase is a full package that can help in developing your mobile or web applications faster with fewer resources and more efficiency. Now, let's look at some of the services and use of it

1- Cloud Messaging:

- Everyone needs notifications in their mobile applications in one way or another, for enhanced engagement with their users.
- Firebase is a great tool to implement notifications, irrespective of the platform because it is fast, reliable, and scalable to handle your requests. Moreover, you won't be charged a penny for using this service as it's free of charge.

2- Authentication:

- Firebase provides authentication services for almost every major platform, which includes Google, Facebook, Twitter, Apple, Github, Microsoft, and Yahoo.
- Firebase provides authentication using email, password, and phone number using OTP, and it is also free!!!.
 They charge a few bucks for OTP verification but after ten thousand successful verifications per month. If you don't have that much user base, you are good to go with free service, and if you have more users, we believe you can pay that amount.

3- Dynamic Links:

- This service was called Google URL Shortener in the past, but now it is renamed as Dynamic Links.
 In addition to their name, a couple of new features have been added to this service by Firebase Team.
- This service is majorly used to generate deep links that redirect user traffic to your landing page, website, or mobile applications. They also provide custom domain names. And if you have your domain name, this service can be integrated with that, as well.

4- Predictions

- As the name suggests, this service helps you in making predictions about your product decisions.
- this service is important to increase your business and revenue. Without having any machine learning experience, you can use this service easily by dividing the users into different fragments, and you can make decisions based on their behavior.

5- Remote Config

It helps in remotely changing your application UI and content, without publishing it again. For example, if you have published an application on the stores with provocative words in the static content, but it could not be managed from the back end. If a lot of users have downloaded the app, then how can you avoid this situation of embarrassment? If it is a normal application, then you can proceed to the process of changing and publishing the application which will take at least a week. But with Remote Config, you can change that content with a single click. More cases of this service can help you moderate the difficulty level of your game application, for a particular user group, without changing its code. Here, I have to mention that you still need to code accordingly.

6- Cloud Firestore

- Cloud Firestore helps store, sync, and query app data at a global scale. It's a NoSQL database built specifically for global-level applications.
- It enables you to query and structure your data the way you like it.
- You can use collections and documents to build hierarchies to store related data and easily retrieve it using expressive queries. All queries come with the ability to scale with the size of the result set making your app ready to scale from day one.

7- Firebase Realtime Database

 Firebase Realtime Database is a cloud-hosted NoSQL database that helps you store and sync data in real-time

8- App Check

App check is an additional layer of security to protect your APIs. It protects
your data and your customers by attesting that incoming traffic is from your
app and blocks traffic that doesn't have valid credentials.

-