Web apps vs websites vs mobile apps

Website:

A Website consists of related web pages that contains images, text, audio, video, and more. It can consist of one page, or many pages, and it provides both visual and text content.

The user of the website can view the content of the website; however, he can't modify it or interact it. The integration is simple for websites and the authentication is not necessary.

An example for website is search engines such as Google.

Web apps:

A web app is a software that can be accessed by the browser. Moreover, web apps are designed for interaction with end users, meaning the user can view and manipulate the data.

They have many functionalities and interactive elements, and uses both client-side scripts and server-side scripts. They are more complex and takes more time to build than websites and the integration between web apps is more complicated than websites.

Web apps are cross-platform (works on many different platforms), and cloud hosted (meaning you don't need to install them on your local machine to work with them).

Additionally, they often require authentication. Some examples for web apps are Facebook, twitter, and Gmail.

Mobile apps:

While web apps are cross-platform, Mobile apps are built for a specific platform such as android and IOS. In order to use them, they must be downloaded and installed via an app store and given permissions to have access on some device functionalities such as the storage or camera. Mobile apps are generally faster than web apps and can work offline, while web apps require to be online.