appAcademy LEARNING 01

JavaScript is a programming language that was originally developed to increase user interactivity with websites, and has grown to become a useful programming language in the backend of applications as well. JavaScript is now one of the most popular and widely used programming languages for building web applications today.

**Why JavaScript is so useful today**

There are two main reasons why JavaScript became so popular in web development; its ability to render dynamic content, and its ability to perform asynchronous tasks

#Dynamic

In early days of the web the websites were static means the data displayed on the webpage was preloaded by the browser ahead of time and in case we need to see any updated changes we needed to reload the web page; but with js we are able to render new data without reloading the webpage. This is dynamic behaviour. Due to this functionality only we are able to see new messages without reloading our social media site.

### #Performing asynchronous tasks

### In order for the user to have a smooth experience working with a dynamic website, it needs to be able to accomplish tasks asynchronously.

### Many programming languages operate synchronously, which means that one operation needs to be completed before the next operation will begin.

Although JavaScript generally operates synchronously, the language allows us to easily write code that will allow multiple tasks to run at the same time.