# Multi-Platform Report

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## Supporting Multiple Platforms

The modern-day is filled with billions of devices connected to the internet. Each of these devices have their own size and aspect ratio. These different sizes need to be accounted for when developing a website. This guarantees that the website is accessible to all devices and makes the website cross platform.

## Choosing Responsive vs Adaptive

To make sure the website met the criteria of being capable of supporting multiple platforms, I chose to go with the responsive design. I chose this over adaptive design as the prototype website was already almost in a state where it could easily be converted to responsive design thanks to the simplistic design of the prototype. This means all website elements stay in the same position and are resized to make sure they fit on all devices. The website meets this requirement as the elements are now able to resize the element to fit on screen depending on the screen size. This is in contrast to the prototype which didn’t have support for responsive or adaptive design which lead to element clipping out of bounds of the screen when shrunk.

## Converting to a Responsive Design

I went about making the website responsive design by setting each main element a max width and setting their width to auto. This made it so they only need to be as big as need and makes sure that each element was not too big for the screen. The biggest problem was the search table which would constantly clip once shrunk. I fixed this by making the words inside the cells wrap text which allowed the table to be shrunk even further to allow viewing on a smaller device.