Mouse Device Driver

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In this project we would build a device driver for a USB plug-in mouse device. The driver would enable functionality with a windows or linux operating system. The idea is simple but the process may not be. We would take a generic plug-in or bluetooth mouse and write a driver for it.

A device driver interfaces with an operating system, using input/output (I/O) and using base operating system functionality (cursor). There are many guides online on how to create one and many Windows/Microsoft technical documentation to weed through.

Links to resources that can/will be used to build a Windows driver:

https://learn.microsoft.com/en-us/windows-hardware/drivers/gettingstarted/writing-your-first-driver?source=recommendations

https://learn.microsoft.com/en-us/windows-hardware/drivers/develop/building-a-windows-driver?source=recommendations

http://www.osronline.com/article.cfm%5earticle=20.htm

It might be easier to build a driver for Linux than Windows, which will be taken into consideration when starting the project. The timeframe for this project is short so if learning to build and building a Windows driver is more complicated than originally thought, a rework into a Linux driver would be the alternative direction for the project.