REOL - A Debian based command-line only operating system designed for blind users and blind interpreters.

Initially the user would use a braille interface similar to what I made in my physical computing project to input braille codes into the computer. However, by placing braille stickers on any laptop/PC keyboard, it will be more accessible to blind users and more financially poorer users.

A unique aspect of GNU/Linux based operating systems is that it can be portable. An Linux operating system can be booted from a USB flash drive and even run on a virtual machine. A blind user can carry this operating system anywhere with them making it truly portable.

Features:

* Whenever you startup any Linux OS a huge amount of log text appears, clearly the user will be completely cognitively loaded if they heard it, the OS needs to be designed that unnecessary text in command line does not appear or it is summaries via audio feedback to the user.
* Navigating through directories, launching programs, the audio feedback needs to be human, and of low cognitive load (only a few sentences). For example, moving to the /etc directory, audio feedback will tell the user this where configuration files are found and a custom script, I built will allow options for configuration.
* Navigating and using this operating system will be like a book, interactive fiction book or a text adventure
* Initial goal is to allow a blind user which many have not be able to, explore a UNIX-like system and learn about how it works.
* Audio feedback needs to be friendly, ask the users how’s there day, play songs of appreciation, say jokes, tell the weather, human-like. (moe-like)
* Custom shell scripts for most functions of the Linux OS to make it more user-friendly for a blind person and friendlier.
* Built on top of Debian, the most stable open-source OS, most customizable and the most reliable.
* Emphasis on UNIX philosophy and the power of shell scripting.