Chapter – 8

GLOSSARY
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- **Screen Reader & Magnifier**: Screen readers are used to verbalize, or "speak," everything on the screen including text, graphics, control buttons, and menus into a computerized voice that is spoken aloud. In essence, a screen reader transforms a graphic user interface (GUI) into an audio interface. Screen readers are essential for computer users who are blind.

- **Braille Printer**: A braille embosser is an impact printer that renders text as tactilebraille cells. Using braille translation software, a document can be embossed with relative ease, making braille production efficient and cost-effective. Braille is a system of reading and writing by touch used by the blind.

- **Braille Display Keyboard**: A Braille keyboard is a specialist input device that allows the user to type and enter text or instructions for the computer in Braille.

- **JAWS Screen Reader**: JAWS (Job Access with Speech) is a computer screen reader programme for Microsoft Windows that allows blind and visually impaired users to read the screen either with a text-to-speech output or by a Refreshable Braille display.

- **Kurzweil 3000**: Kurzweil 3000 is an educational technology, or assistive technology, which provides a reading, writing and study platform aimed at people with learning disabilities or other disabilities that make reading or writing
difficult. Kurzweil 3000 is used to support those with dyslexia, dysgraphia, and English language learners in school, higher education, at home and in the workplace. Kurzweil 3000 can read aloud web-based, digital or scanned print material, convert web-based, digital or scanned print materials into mp3 to provide audible files to listen to on the go or through its firefly web app can be read on an iPad.

- **Crank top Tables:** The Able Table is a height-adjustable tilt-top work table and overhead book-holder designed for use by individuals who use wheelchairs or either severe physical disabilities or spinal cord injury.

- **Scanner:** A scanner is a device that captures images from photographic prints, posters, magazine pages, and similar sources for computer editing and display. Scanners come in flatbed types and for scanning black-and-white only, or color.

- **Natural Speaking:** Speech recognition software such as Dragon serves two roles: it converts speech into text and it allows users to navigate through content using spoken commands. It is typically used by individuals with motor disabilities, but may be used by people with other disabilities (e.g., cognitive) or in conjunction with other AT for users with multiple disabilities.

- **Supernova:** A supernova is a rare astronomical event that occurs during the last stellar evolutionary stages of a massive star's life, whose dramatic and
catastrophic destruction is marked by one final titanic explosion. For a short time, this causes the sudden appearance of a 'new' bright star in the heavens, before slowly fading from sight over several weeks or months.

- **Readit wand**: The Readit Wand is a portable USB camera that turns your PC or laptop into a feature rich reading and magnification system. Connect the lightweight Readit Wand to your computer, place your print materials under the camera, and press Enter on your keyboard to begin.

- **NVDA & Braille embosser (printer)**: Braille embossers transfer computer generated text into embossed Braille output. Braille translation programmes convert text scanned-in or generated via standard word processing programmes into Braille, which can be printed on the embosser.

- **Talking typing**: Is a smart and powerful tool that helps you people with disabilities.

- **Daisy book reader (for e-books)**: DAISY (Digital Accessible Information System) is a technical standard for digital audio books, periodicals and computerized text. DAISY is designed to be a complete audio substitute for print material and is specifically designed for use by people with "print disabilities", including blindness, impaired vision, and dyslexia.
- **Special keyboard (large font with florescent yellow keys):** Large Keyboard Key Caps for Individuals with Low Vision Braille Key Caps for Individuals Who are Blind.

- **Magnifier mouse:** The Magnifier to read a small block of text on a Web page or to easily see a part of a picture in a photo editing programme.

- **Seika Cell Braille display (stop anytime to correct spellings):** A 40-cell Braille display that is lightweight and portable. This Braille display connects to the computer with a USB cable or an optional Bluetooth.

- **BAT (single hand keyboard):** A BAT keyboard is a one-handed keyboard consisting of a base, on which the hand rests, and seven keys. Through pressing combinations of keys, one can attain the same functions as a regular keyboard. The keyboard can be useful for those with a disability and also as a complement to the mouse, on which the other hand can remain. The BAT keyboard exists in left-handed and right-handed versions, which can also be used simultaneously with each other or even with another alphanumeric keyboard if desired.

- **Foot mouse (slipper mouse) with programmable paddle:** A foot mouse (also spelled foot mouse) is a type of computer mouse that gives the users the ability to move the cursor and click the mouse buttons with their feet. It is primarily used by users with disabilities or with high-back or neck problems. It is
also promoted as a way to prevent such problems in the future and as a means to increase productivity by not having to move one's hand between the keyboard and mouse.

- **Device to make a normal book**: An assistive device could be a wheelchair, reached, or a disability product that allows you to use a computer. If you experience difficulties performing certain tasks it's possible that an assistive device can help you overcome your problems.

- **Adjustable high power optical lens**: The glasses from Eyejusters come with a dial on the side wearers can use to increase or decrease the magnification at will.

- **Photocopying Machine**: A photocopier (also known as a copier or copy machine) is a machine that makes paper copies of documents and other visual images quickly and cheaply. Most current photocopiers use a technology called xerography, a dry process that uses electrostatic charges on a light sensitive photoreceptor to first attract and then transfer toner particles (a powder) onto paper in the form of an image. Heat, pressure or a combination of both is then used to fuse the toner onto the paper. (Copiers can also use other technologies such as ink jet, but xerography is standard for office copying.)