## Luwrain — OS for the blind or visually impaired

- Luwrain increases comfort and usability on Personal Computers (PCs) without a computer monitor. Our elegant system is simple to install, configure and navigate The Luwrain code is published without any prior technical experience.
- Luwrain takes a completely unique approach to solve the blind accessibility problem. We research it because blind persons are not able to use mouse, which is the most effective way to interact with graphical environment they still have to work in
- Luwrain is built on audible principles for the blind, as well as a companion text-only rendering with various font and size controls for the visually impaired. This is a significant departure from the traditional approach of adapting visual interfaces with accessibility add-ons.

under GPL V.3 license. Potential Use Cases for Luwrain technology:

- OS for installation on existing mobile, desktop, and embedded devices
- Luwrain as a platform for applications built specifically for the blind and visually impaired

http://luwrain.com/

## **Technical Specifications**

- Linux kernel
- Development platform: *Java SE*.

Supported applications outside of *Luwrain* interface:

- Chromium or Firefox for web browsing
- Partial support of closed apps (e.g. Skype)

Luwrain provides the set of standard adapted applications: file browser, mail and news clients, calendar, address book, Word document support, media player, text editor and system control panel. Latex and Lilypond are available for installation separately. These applications are conceptually well suited for use by blind and visually impaired users within the context of Luwrain.

Luwrain is an extensible OS with a well structured Software Development Kit (SDK), making development on our platform a breeze.

The work is done approximately by 20% and could be completed by group of 2–3 developers in 2 years.