

LUWRAIN: information technologies for the
handicapped close at hand

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Access for everybody

1. Launch *LUWRAIN* on any PC:
 - ▶ Take as an application for Microsoft Windows, GNU/Linux, etc
 - ▶ Take as a stand-alone OS on Linux kernel
2. Easily recognizable UI: *LUWRAIN* takes care of providing information in a way adjusted to the perception of blind people
3. No financial barriers for end-users (free and open-source software)

LUWRAIN isn't a competitor to screen reading solutions.

Power of Java

- ▶ A plenty of available libraries (POI, JavaMail, GData, etc)
- ▶ Execution on popular OS
- ▶ `javafx.scene.web.WebEngine` has Java Script support and gives access to the DOM-structure of the page
- ▶ Expectation of higher security level

Few arguable disadvantages aren't considered as crucial (garbage collector).

Standard applications

Applications we're about to take care of:

- ▶ Browser (based on `javafx.scene.web`)
- ▶ Commander (file manager)
- ▶ Mail and news
- ▶ Documents and books reader
- ▶ Editors ("Notepad" and with DOCX support)
- ▶ Twitter client
- ▶ Terminal for command line applications
- ▶ Calendar and personal diary
- ▶ Calculator

LUWRAIN API

Nobody should care whether he/she has experience in accessibility technologies or not.

- ▶ You just construct the interface of your application by using our class library
- ▶ We promise that the application built in according to our recommendations will be well-recognizable by blind and visually-impaired people
- ▶ Blind people will get your application regardless their experience, regardless hardware they are using and regardless their financial circumstances

Looking forward to wide cooperation

1. *With Open Source communities* to implement national standards and foreign languages support
2. *With social organizations* to better understand the requirements of blind people in particular country
3. *With commercial companies* to make their products more accessible (companies get enhancing of their market)

Who we are

LUWRAIN development is under way in “Electronic Moscow”. Current estimation implies getting the first stable release at the end of 2015.

LUWRAIN is a completely opened project. All of its materials are published and available for reading and using.

Thank you!

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