

# Appendix A

## Terminology

ALSA	Advanced Linux Sound Architecture. Provides audio and MIDI functionality to the Linux operating system.
Alpha channel	An extra layer of a 32 bit image which is used to specify the transparency of each pixel in the image.
API	Application Programmable Interface. The parts of a library the programmer works against. Eg. the function prototypes and classes.
APT	Advanced Packaging Tool. It's Debian's package transfer library with super cow powers.
BTS	In this scheme referred to as Debian's Bug Tracking System. This is used to report bugs and various wishes related to a Debian package.
Ccache	Compiler cache which is used to speedup compilations.
Cron job	An automated process that operates at predefined time intervals.
CVS	Concurrent Version System. A set of scripts that perform version control and that merges text files.
CxxTest	Unit testing framework for C++, using perl or python to generate some of the test code. See also <i>TDD</i>
Debian	A popular and advanced Linux distribution.
Debian package	An intelligent package that contains information needed by APT to properly install it.
Docbook	Markup language for technical documentation, originally intended for authoring technical documents related to computer hardware and software.
Drag 'n drop	A term which means the act of dragging some data, with the mouse, from one application to another, or within one application.

DOM	Document Object Model. Is a form of representation of structured documents as an object oriented model.
Doxygen	Documentation system for creating API docs.
Facade	Pattern where one have a class which act as the gateway for communicating with a larger set of classes. See also <i>pattern</i>
Frameworks	Another Stop motion program for Linux.
FAM	File Alteration Monitor. Deamon process that tracks changes in the file system and notify its subscriber of them.
Freshmeat	Portal for registering and distributing open source projects.
gcc/g++	The defacto C and C++ compilers used on GNU/Linux systems.
GIMP	The GNU Image Manipulation Program. It can be used for photo retouching, image composition and image authoring.
GNU	Gnu's Not UNIX: A UNIX-compatible operating system developed by the Free Software Foundation.
GNU/Linux	Free, open source, operating system based on Unix which are gaining popularity among end users.
GPG	GNU Privacy Guard. Cryptographic software to encrypt information.
GPL	The GNU General Purpose Licence. The most common open source licence which states that the source code must be distributed with a program. It also states that programs using GPL licenced code must also be GPL licenced and thus it is infectious.
GStreamer	Framework for multimedia in Linux.
GUI	Graphical User Interface. A way to use applications with a mouse, as opposed to command line applications.
IEEE	Institute of Electrical and Electronics Engineers. Standardization organization who work on creating standards for electronic and computers science.
Image Mixing	See Onionskinning.
KDevelop	Development environment especially tailored for KDE/Qt development. See also <i>KDE</i> and <i>Qt</i>
KDE	Window manager for GNU/Linux. See also <i>GNU/Linux</i> and <i>KDevelop</i>
ℒ <sub>T</sub> E <sub>X</sub> 2 <sub>ε</sub>	Script language for creating document using the T <sub>E</sub> X engine written by Donald Knuth.
Layer	Pattern where one splits the code in layers to make it more modular. See also <i>pattern</i>
LGPL	The Lesser (former: library) General Purpose Licence. Same as GPL, but it doesn't state that code using LGPL must be LGPL. See also <i>GPL</i>
libVorbis	The main vorbis codec library. See also <i>Vorbis</i> .
libSDL	Library for using SDL. See also <i>SDL</i>

libTar	Library for creating tar files. See also <i>Tar</i>
libXML	GNU Library for creating XML files. See also <i>XML</i>
Lintian	A tool to check Debian packages for policy violations.
Fri programvare i skolen	The organization which runs the Skolelinux project.
LyX	Graphical frontend for producing document using $\text{\LaTeX}$ 2 $\epsilon$ . See also $\text{\LaTeX}$ 2 $\epsilon$
Magaz	A Greek Linux magazine who wrote an article on us.
Make	Make is a tool which controls the generation of executables and other non-source files of a program from the program's source files.
Mandrake	Populat GNU/Linux distro. See also <i>GNU/Linux</i>
Memento	Pattern for storing the internal structure of an object. See also <i>pattern</i>
Observer	Pattern for coupling a model together with one or multiple views, without them being dependant on each other. It forms the basis of the Model/View/Controller pattern and is also known as publish/subscriber. See also <i>pattern</i>
Onionskinning	Onionskinning is a technique where two or more translucent images are laid on top of each other so that one can see them together. For an example see <i>figure ??</i>
Open source	Open source is an ideology where the source code has to be openly accessible for the users so that they can view and change it if they want to.
OSS	Open Sound System. OSS is a set of device drivers that provide a uniform API across all the major UNIX architectures.
Pattern	Simplified a pattern in software design is a solution to a problem, as well as the circumstances in which this solution should not be used.
PCM	Pulse Code Modulation. A method of encoding an audio signal in digital format.
POSIX	A set of operating system portable interface standards defined by IEEE.
Pull model	A variant of the Observer pattern where the Observers retrieve the required information from the model upon an update. See also <i>observer</i>
Push model	A variant of the Observer pattern where the Observers receive the information from the model with the update notifications. See also <i>observer</i>
QMake	Tool created by Trolltech which autogenerates makefiles.
Qt	GUI toolkit for C++ which compiles on several platforms (Windows, Linux, Macintosh, etc). It ships with two licences, one of which is the GPL.

RFP	Request For Package. A request which is sent to Debian's BTS to indicate that someone has found an interesting piece of software and would like someone else to maintain it for Debian.
RGB	Red Green Blue. A color space commonly used on computers.
SAX	Simple API for XML. An event based interface for processing XML documents.
SDL	Simple Directmedia Layer. Library for accessing and manipulating audio, keyboard, mouse, 3D hardware and 2D video buffers.
Serialization	The process of saving a project with its data and the structure of this data.
Skolelinux	An Linux distribution for schools.
SLX	Short for Skolelinux
STL	Standard Template Library. One of the three C++ Standard Libraries which provides containers, iterators and algorithms.
Stop motion animations	A stop motion animation is an animation created by taking multiple still pictures of something while moving it a little between each picture. When these pictures are played rapidly it appears to humans as live video.
Tarball	A jargon term for a tar archive which is a group of files collected together as one.
TDD	Test Driven Development. This is a process where unit tests are written before the code that satisfies the tests is made. The rationale behind this is that writing the test will lead to a better understanding of what a function should do.
Tux	The coolest penguin south of the north pole.
URI	Uniform Resource Identifier. This is a generic name for any of a class of ways of identifying resources. In this report it is used in the context of sending a file-name as a drag event. See also <i>Drag 'n drop</i>
Unit testing	The process of testing software by writing small modules which calls functions and checks the result. See also <i>TDD</i>
v4l	see <i>video4linux</i>
video4linux	Video API for GNU/Linux. See also <i>API</i>
Vorbis	Open sound file format
Widget	Window gadget. Term which is used about all control elements in a GUI. See also <i>GUI</i>
XML parser	A program that interprets the contents of an XML file and determines what to do with the input.