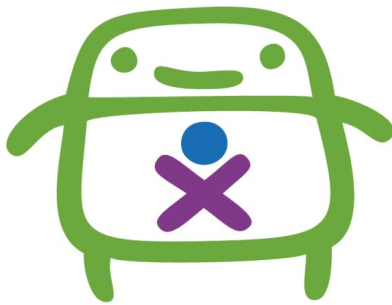


Specification

OLPC Germany – Sugar on a Stick to boot on PC or in a Virtual Machine (for Windows Users)



by

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1. Aim

The aim of the project “OPLC Germany – Sugar on a Stick“ is to boot the education software “Sugar” on a PC or in a Virtual Machine in an easy way. This should be achieved via a bootable USB stick device that can be used by Windows Users without any experience. The content should provide the offline content of Sugar, Activities (programs for children), a Wikipedia version and media files, e. g. books for children and help to install and run the system.

The target audience is teachers, students (in the age between 6 and 14) and parents.

2. Schedule

first deployment (100 sticks)

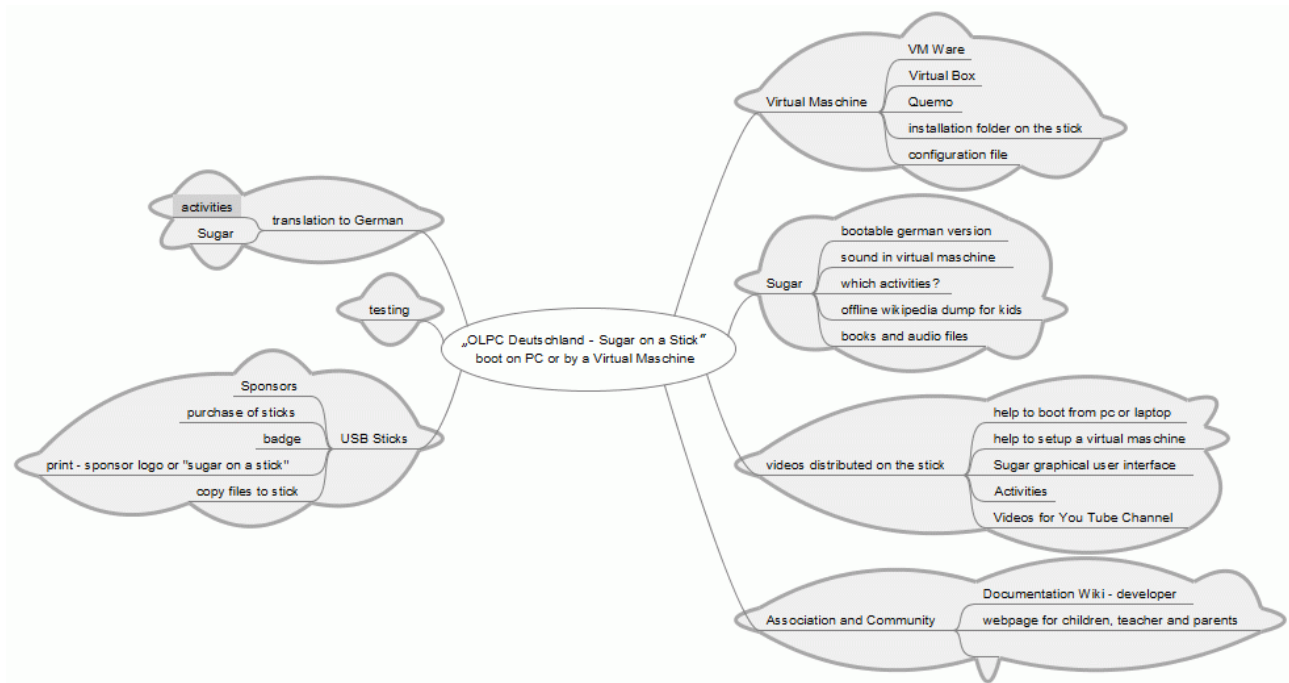
Week February 22	specification and testing of sugar release version and virtual machine (with scripting)
Week March 01	implementation of a german wikipedia offline version for students
Week March 01	collect free books and audio files for compilation
Week March 01	translation of some activities (programs) into German
Week March 08	scripting of installation routines to run Sugar from the stick
Week March 08	purchase of USB sticks
Week March 08	final testing and copy of files to all USB sticks
Week March 15	exhibition of education in Colon “didactica 2010”

following events

Dependent on funding opportunities
e. g. Linux Tag

3. Mindmap

The following mind map provides an overview on the activities required to set up the installation software and content for the “OPLC Germany – Sugar on a Stick” USB device.



4. Specification of folders on the stick

The USB stick should contain the following structure of folders and content

root

- [boot folder with scripts]
- [image SUGAR]
- [installation Virtual Machine]
- [videos for help and installation support]
- [books and media files]
- Welcome App

5. Welcome App

The “Welcome App” should provide all the required actions required for the user to install or setup his system. Furthermore it should offer videos and links for help to setup the system and an introduction for Sugar and the installed activities.

Windows Installation

To start Sugar from Windows

(installing a Virtual Machine)

picture
Virtual
Machine

Picture
Virtual
Machine

1. Install virtual Machine (script)

media / links / help

- video 1 - installation
- video 2 – help Virtual Machine
- help (text)

To boot from usb Stick

To boot Sugar directly from the USB stick without any installation

Offers help to set up the pc or laptop bios to enable the boot application from the usb stick

Picture
usb stick
plugged into
laptop

boot menu

media / links / help

- video pc bios
- video laptop bios
- help (text)

Introduction for applications

Introduction walk through for the graphical interface Sugar and activities

Bild Sugar

Bild
Activity

media / links / help

- video Sugar
- video activities
- video installation of new activities from the internet
- link YouTube documentation
- help (text)