

2010

Virtusa

Created by Kirja Nanthagopal

one
laptop
per
child



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[OLPC-ACTIVITY]

This is a summarize document of the OLPC activity tested by Kirja Nanthagopal, Nuwan Weerasinghe, Anuruddhika Chandrakeerthi, Niranjala Fernando, Nipuni Malvenna and Madushani Bogahawattage. We have covered most of the activities.

Acknowledgements

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Introduction

The One Laptop per Child non-profit develops a low-cost laptop. The "XO Laptop" revolutionize to how we educate the world's children. Our mission is to provide educational opportunities for the world's poorest children by giving each child a rugged, low-cost, low-power, connected laptop and software tools and content designed for collaborative, joyful, self-empowered learning.

XO applications are called Activities. Activities include an application as well as sharing and collaboration capabilities, a built-in interface to the Journal, and other features such as the clipboard. The Journal Activity is pre-installed. Other Activities can be distributed as part of an Activity Pack.

Activities you have specified as favorites appear as a ring of icons around the XO icon in the center of the Home View. All the Activities you have installed are shown in the List mode of Home View.

Some Activities allow Sugar users to work and learn cooperatively. For example, Write allows several users to collaboratively create a document. Read allows several users to read the same document or a teacher to share a book with an entire classroom. Memorize allows a group of users to play a game together.

Sri-Lanka QA team

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Purpose

The XO laptop runs in the Linux, a free and open-source operating system. This laptop has many activities. This is useful for the children, because they can get own idea about the computers. Children have the different mindset. Nowadays children would like get to know about the computer. So it is improve their knowledge, activity and creations.





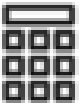





They can write, do the painting, draw image, listen the particular object sound, make the music, can ask the question for the computer and play the games. Most of the activities are helpful the children. Some activities are related to each other.

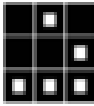








Early build doesn't have some activities, new build have some new activity. In the new build they change the activity window also. (E.g.:- Speak activity).

Activities available Builds (Tested Activities)

ACTIVITIES	XO 1.0		XO 1.5
	13	B5	116
Social Cal	No	Yes	Yes
Measure	Yes	Yes	Yes
Tam Tam jam	Yes	Yes	Yes
Write	Yes	Yes	Yes
Finance	No	No	Yes
Record	Yes	Yes	Yes
Read	Yes	Yes	Yes
Paint	Yes	Yes	Yes
Speak	Yes	Yes	Yes
Physics	No	No	Yes
Memorize	Yes	Yes	Yes
Colors	No	No	Yes
Typing Turtle	No	No	Yes
Etoys	Yes	Yes	Yes
Words	No	No	Yes
Browse	Yes	Yes	Yes
Calculate	Yes	Yes	Yes
Scratch	Yes	Yes	Yes
Stop Watch	No	No	Yes

Activities Details (Tested Activities)

NO	Activity	Image	Declaration
1	Read		<ul style="list-style-type: none"> The laptop to act as a book reader. Brows the URL download some PDF book & open it. Share a book with neighborhood
2	Record		<ul style="list-style-type: none"> Capture still images, video, and/or audio An interface for sharing pictures among multi XO's during a picture-taking session is a hallmark of the Record activity. Record starts up in photo mode; you can switch to video or audio using the tabs at the top of the screen.
3	Paint		<ul style="list-style-type: none"> The Draw activity will provide a canvas for an individual or a group of children to express themselves creatively through drawing.
4	Speak		<ul style="list-style-type: none"> Whatever we type in the screen we can hear the voice and we can adjust the private or Neighborhood. Use the toolbars at the top to change the voice's accent, rate and pitch or the shape of the eyes and mouth.
5	Calculate		<ul style="list-style-type: none"> Can Apply algebra, Trigonometric, Boolean functions. Can plot graphs.
6	Browser		<ul style="list-style-type: none"> Display web pages. Display several image file formats like PNG & SVG. Access local files & remote files using HTTP/Https/FTP protocols.
7	Scratch		<ul style="list-style-type: none"> This is a Programming language. Use to create simple programs & games. Can download additional Costumes, Backgrounds & Sounds.
8	Tam Tam jam		<ul style="list-style-type: none"> Sounds are played by striking individual keys on the keyboard. One chooses amongst dozens of different sounds that can be played polyphonically. There is a small "beat box" to generate rhythms and a simple sequencer to record short snippets of keyboard playing.
9	Write		<ul style="list-style-type: none"> The Write activity serves as the basic text editing application on the laptops
10	Measure		<ul style="list-style-type: none"> It's a tool on the XO that allows kids to indulge in "learning by doing".

11	Memorize		<ul style="list-style-type: none"> • It's a game that finding matching pairs. • Allows you to create new games yourself.
12	Social Calc		<ul style="list-style-type: none"> • A JavaScript-based spreadsheet being developed as a Sugar activity by Dan Bricklin, Luke Closs, Manusheel Gupta and K.S. Preeti for the XO, with help from Social Text among many others. • The first version of SocialCalc has been released. • Like Excel sheet works.
13	Finance		<ul style="list-style-type: none"> • Maintain accounts.
14	Physics		<ul style="list-style-type: none"> • Physics is a physical world simulator and playground -- you can add squares, circles, triangles, or draw your own shapes, and see them come to life with forces (think gravity, Newton!), friction (scrape), and inertia (ah, slow down!).
15	Color		<ul style="list-style-type: none"> • Using color activity can draw arts and its give nice presentation, how we drawing.
16	Typing Turtle		<ul style="list-style-type: none"> • Typing lesson & practices. Users can edit the lessons and also create the new lessons.
17	Words		<ul style="list-style-type: none"> • Whatever type in English, translate to other language and pronouns.
18	Stop watch		<ul style="list-style-type: none"> • Provides multiple stopwatches to time events with.
19	Etoys		<ul style="list-style-type: none"> • Etoys is a child-friendly computer environment and object-oriented prototype-based programming language for use in education.

Activity Defect Details

When we check the activities, we found some defect. The table shows the defect detail what we posted in the sugar lab & OLPC.

Ticket #	Summay	Raised By	Component	Severity	Version	Date Opened
1865	OLPC-Calculate Activity – Unexpected error message displayed as follows “Error at ”: math domain error”	Niranjala	Calculate	Minor	XO1.5, XO1.0	25/03/2010
1870	OLPC-Calculate Activity – Unexpected error message displayed as follows “Error at 8: Parse error” and “Error at 7: Parse error”.	Niranjala	Calculate	Minor	XO1.5, XO1.0	26/03/2010
1903	OLPC-Calculate Activity – Cannot enter negative values to the entry box.	Niranjala	Calculate	Minor	XO1.5, XO1.0	4/6/2010
1909	OLPC-Calculate Activity – Help button of Square and Inverse option is not working properly.	Niranjala	Calculate	Minor	XO1.5, XO1.0	4/7/2010
1910	OLPC-Calculate Activity – Inverse value of zero is getting unexpected error message.	Niranjala	Calculate	Minor	XO1.5, XO1.0	4/7/2010
1937	OLPC-Calculate Activity – Unwanted star sign (multiplication sign) is appearing when clicks on Inverse option.	Niranjala	Calculate	Low	XO1.5, XO1.0	4/12/2010
1895	OLPC-SocialCalc Activity - Sub tabs and menus are overwritten by main tabs.	Anuruddhika	SocialCalc	Minor	XO1.5	2/4/2010
1871	OLPC-Colors Activity – Paint tab ‘Center image’ button is not working	Madushani	Colors	Minor	XO1.5	26/03/2010
1894	OLPC-Colors Activity – when we minimize and maximize the screen, tab names are not displayed	Madushani	Colors	Minor	XO1.5	5/4/2010

1904	OLPC-Measure Activity – Activity get stuck after recording	Ruwan	Measure	Major	XO1.5	7/4/2010
1905	OLPC-Measure Activity – Actual time duration is differ from the mentioned time duration in dropdown list	Ruwan	Measure	Minor	XO1.5	7/4/2010
1911	OLPC-Measure activity- Recording duration is not accurate	Ruwan	Measure	Major	XO1(b5)	7/4/2010
1902	OLPC- Paint Activity – Under tools tab, pencil size functionality is not working.	Kirja	Paint	Minor	XO1.5	5/4/2010
1896	OLPC- Record Activity – Picture area getting blurred after few seconds in OS13	Anuruddhika	Record	Major	XO1(13)	5/4/2010
1906	OLPC-Record Activity – In Record, Recorded audio output is not working as expected	Sandun & Anurudhika	Record	Major	XO1.5, XO1.0	7/4/2010
1945	OLPC-Record Activity – Cannot continue the replay, when user tries to drag the time bar.	Sandun	Record	Minor	XO1.5	15/04/2010
1923	OLPC-Tam Tam jam Activity – Cannot assign the keys to loops in OS802B5	Nipuni	TAm Tam	Minor	XO1.0 - OS802B5	9/4/2010
1875	OLPC-Write Activity – Unexpected” behavior of “Hershey- Gothic font styles	Nipuni	Write	Minor	XO1.5, XO1.0	30/03/2010
1888	OLPC-Write Activity – Validation needed when user tries to duplicate a file name	Nipuni	Write	Minor	XO1.5, XO1.0	1/4/2010
1893	OLPC-Write Activity – Cannot open write activity in OS802B5	Nipuni	Write	Minor	XO1(OS802B5)	2/4/2010

