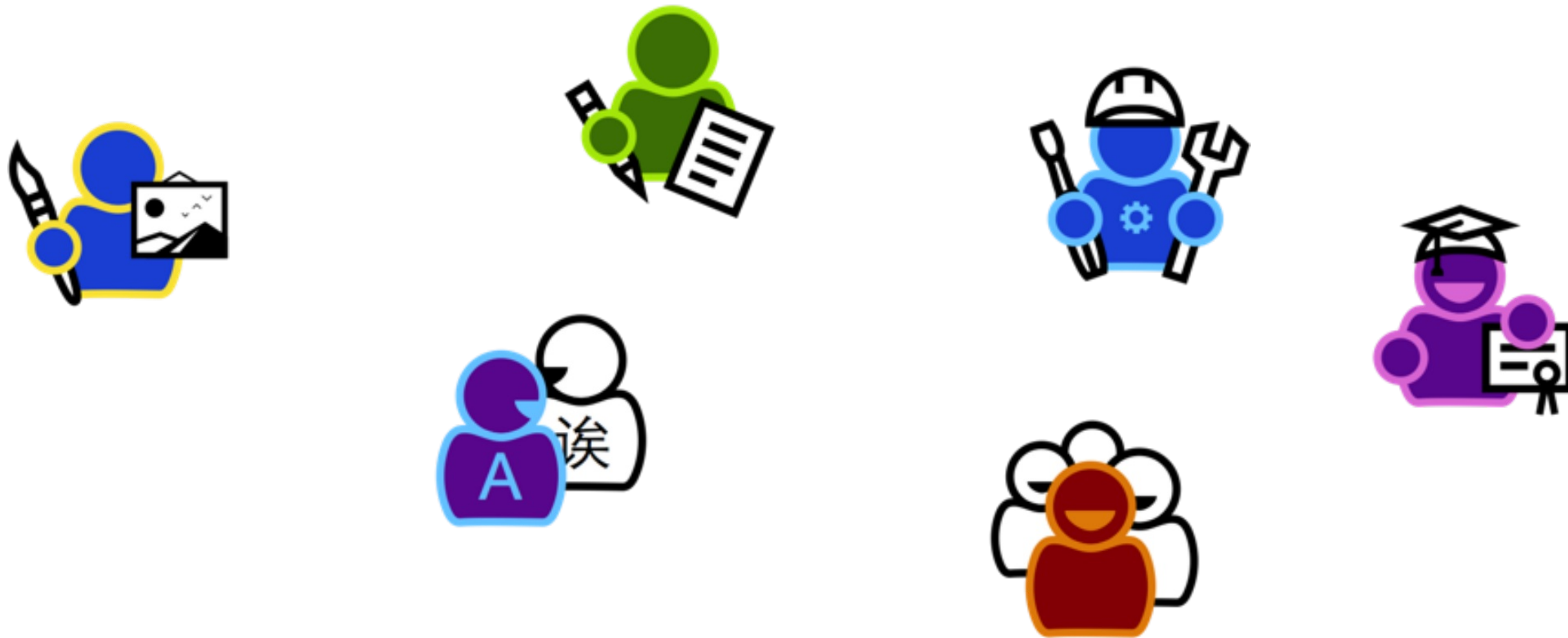


Sugar: using the GNOME platform to build a learning platform



Talk outline

- Introduction to Sugar
- The Sugar platform
- Using the GNOME platform
- GNOME technologies Sugar is using
- Adapt to new technologies
- Sugar and Touch
- Future Roadmap
- How to contribute, where do we need help?

Sugar

- ...is a learning environment designed for children
- ...was originally designed for the XO-1 laptop of the One Laptop per Child project (OLPC)
- ...runs on most netbooks and PCs today
- ...is for example used by learners in Uruguay, Ruanda and Nepal
- ...is available in more than 25 languages

Rialta_wifi
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Main features

- especially made for the audience
- clarity in design
- work-flow based on *Activities* (tasks)
- Journal

Main features

- collaboration centric
- low floor, no ceiling
- every user can be a contributor of content and code

Collaboration Centric



The Sugar platform

- a platform for Activity authors
- a platform for deployments
- a platform for the learner

Using the GNOME platform

- Sugar is the GNOME platform + a target audience oriented UI
- Sugar does use the GNOME building blocks (libraries)
- we share the platform/application model
- Sugar does mimic the GNOME schedule

GNOME technologies Sugar is using

- GTK+
- Metacity
- gobject-introspection (Python), Pygtk
- Gconf
- Gio / Glib
- pango
- Evince, Vte, (WebKitGTK+)

freedesktop technologies Sugar is using

- NetworkManager
- Telepathy
- xdg-user-dirs
- upower
- Consolekit
- dbus
- libxklavier

Adapt to new technologies

- PyGObject, GObject-introspection
- GTK+ 3

Adapt to new technologies

- Evince
- WebKit

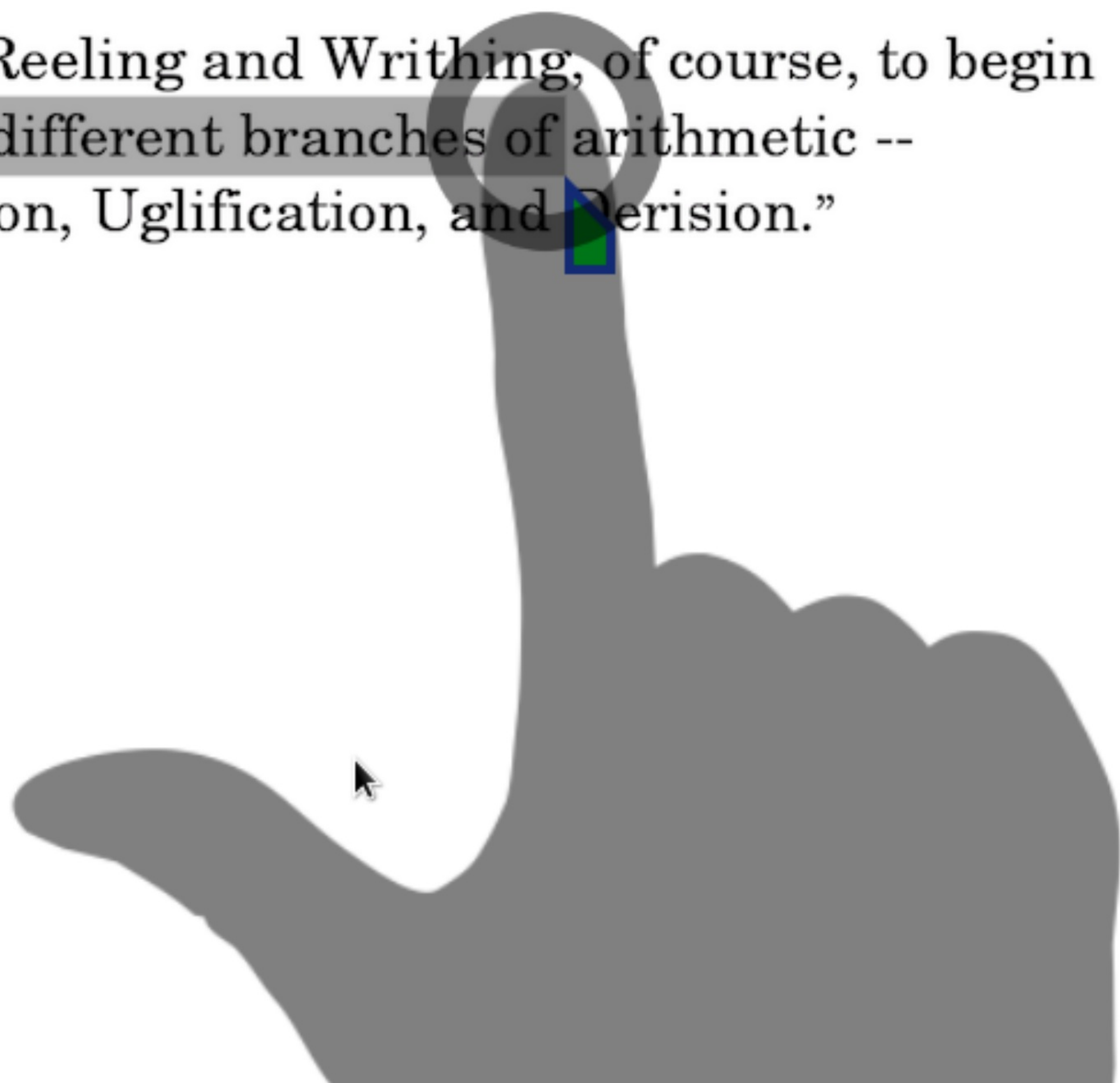
Sugar and Touch

- finish GTK+ 3 port: Shell and Activities
- Touchscreen support in Sugar: GTK+, UI
- text selection and manipulation
- touch friendly spin button
- Comboboxes
- OSK



Alice in Wonderland

The Mock Turtle, “Reeling and Writhing, of course, to begin with, and then the different branches of arithmetic -- Ambition, Distraction, Uglification, and Derision.”





Future Roadmap

- reduce Sugar code
- upstream telepathy bits
- Sugar features
- move to GSettings
- Python 3

How to get involved?

- Write an activity:

http://wiki.sugarlabs.org/go/Activity_Team/Activity_Development_Fedora17

- Localization, Documentation

http://wiki.sugarlabs.org/go/Sugar_Labs/Getting_Involved

- Developers

http://wiki.laptop.org/go/Contributors_program

- User experience designer

http://wiki.sugarlabs.org/go/Design_Team/Sugar_Shell_Touch_Input#Text_editing

Where do we need help?

- Upstream should be aware of us
- GNOME fallback mode
- GNOME shell software rendering

Thank you!



Contact

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