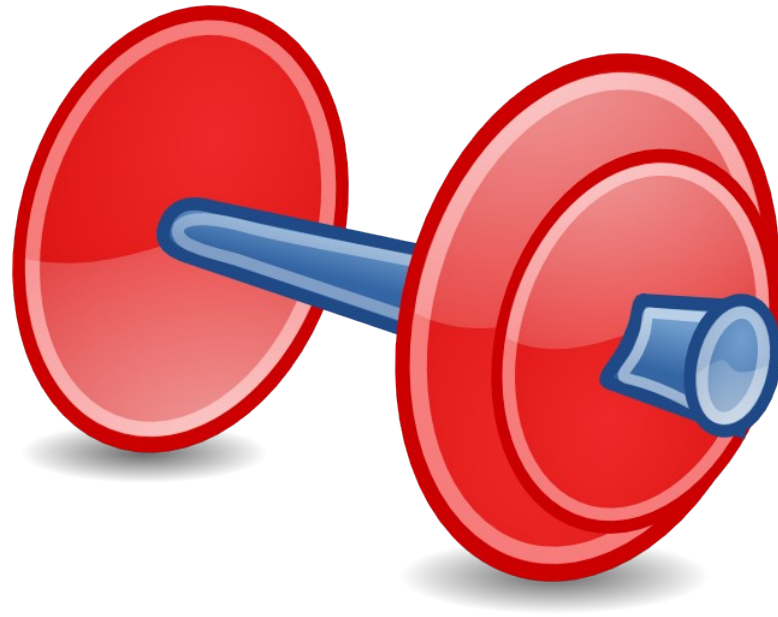


Accerciser

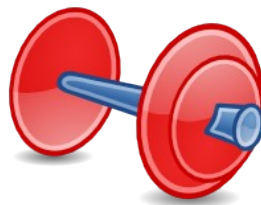


15 minutes a day for better accessibility

Eitan Isaacson <eitan@ascender.com>

Outline

- Introduction to accessibility
- Basic testing
- Introduction to GNOME's accessibility framework
- Introduction to Accerciser
- Simple debugging example
- The last mile to the screen reader
- Summary
- Q&A



Who could we be missing?

- People with:
 - Blindness
 - Low-vision
 - Color blindness
 - Motor disabilities
 - Deafness
 - Various cognitive disabilities
 - Photosensitive epilepsy
 - And more...

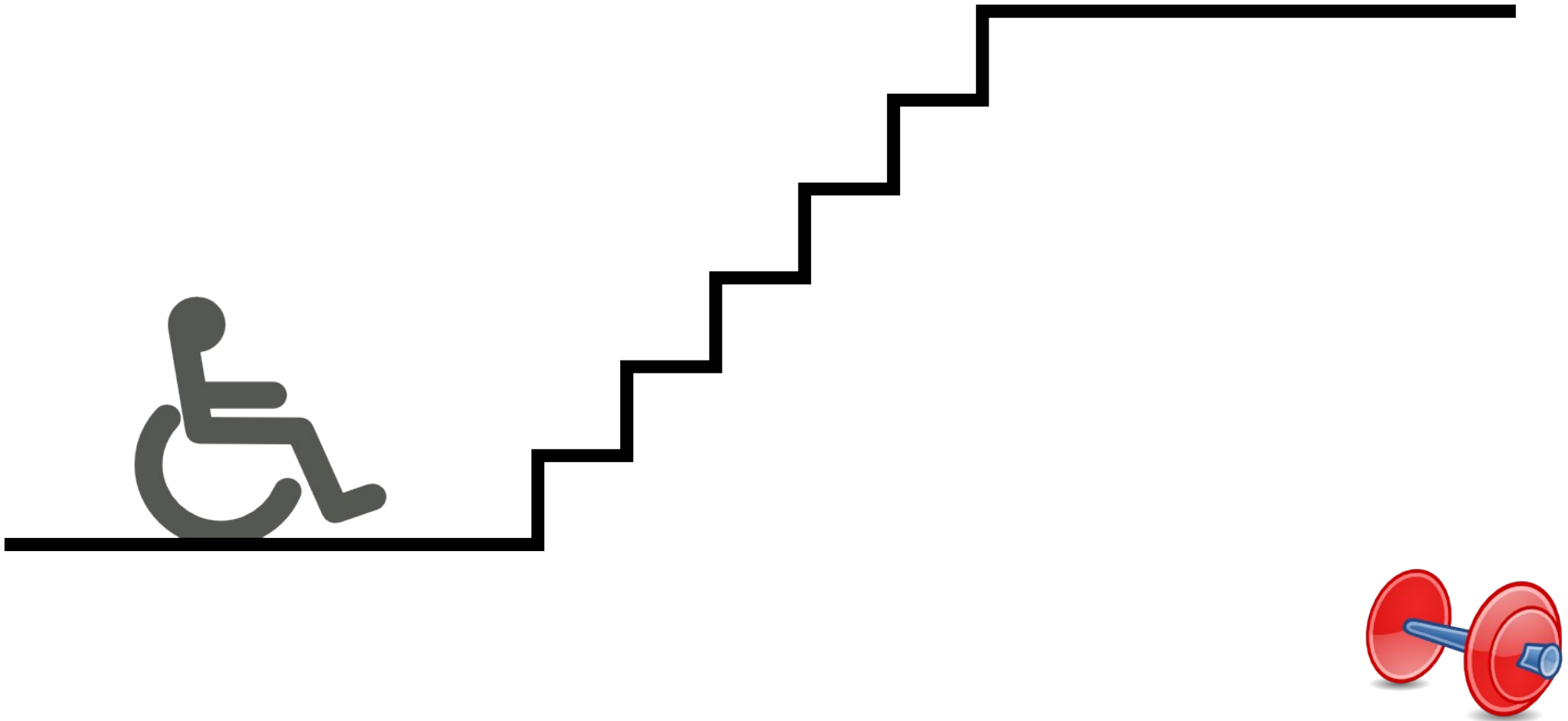


Why are we missing them?

- Visual user interfaces
- Fixed display and font sizes
- Dependence on colors
- Audio prompts
- Dependence on mouse or multi-key gestures
- Flashing or rapidly changing images
- Complex or cluttered interfaces

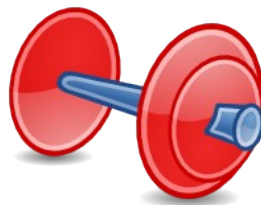


Is my application accessible?



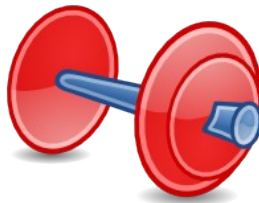
Lies

- Bling is inaccessible
- I need to be familiar with a screen reader to be certain that my application is accessible



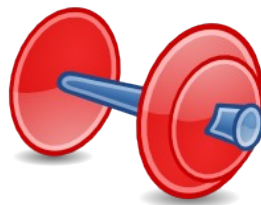
Theme compliance

- Fonts configurable and scale accordingly
- High contrast/inverse themes look good
- No color dependencies

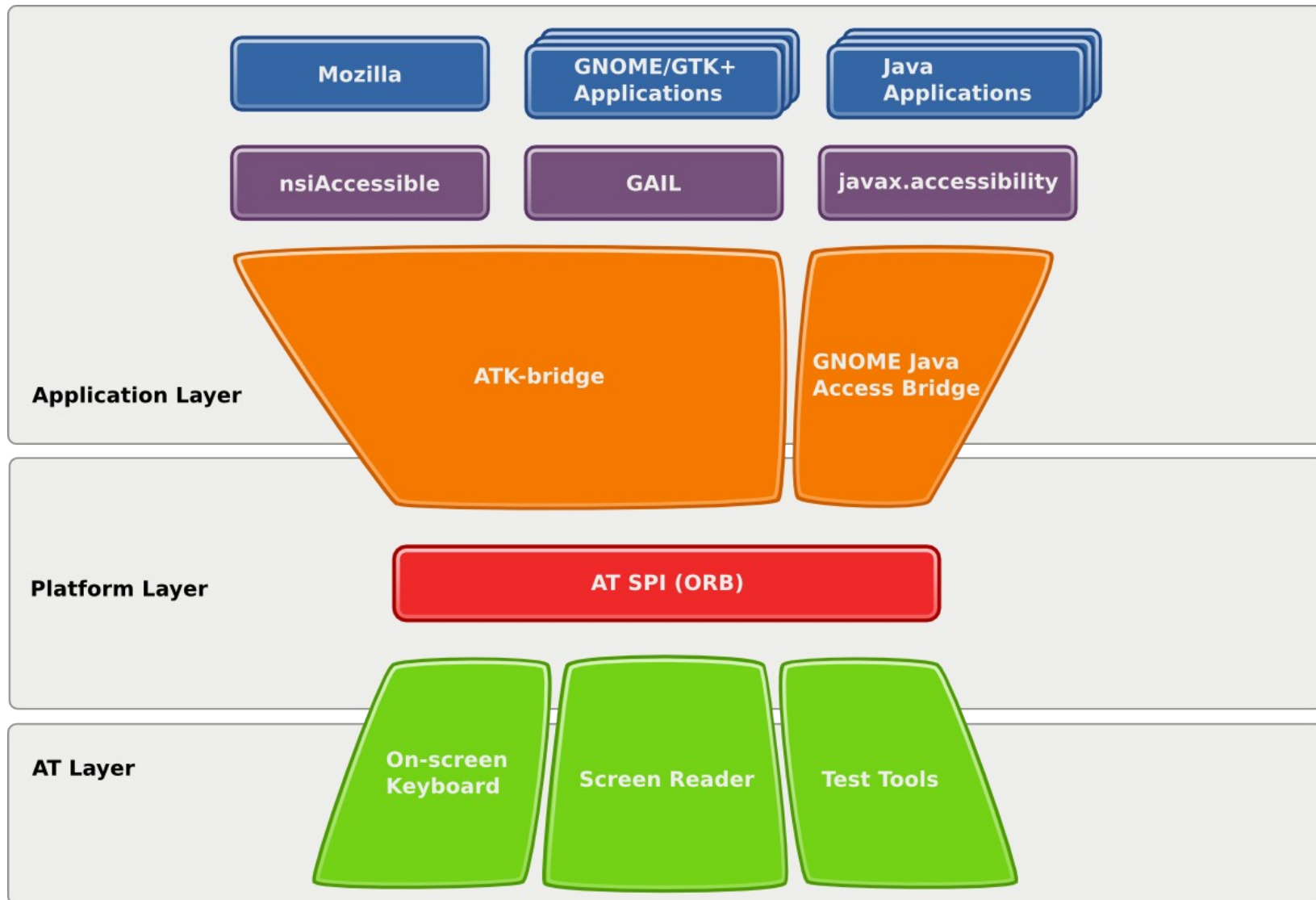


Keyboard support

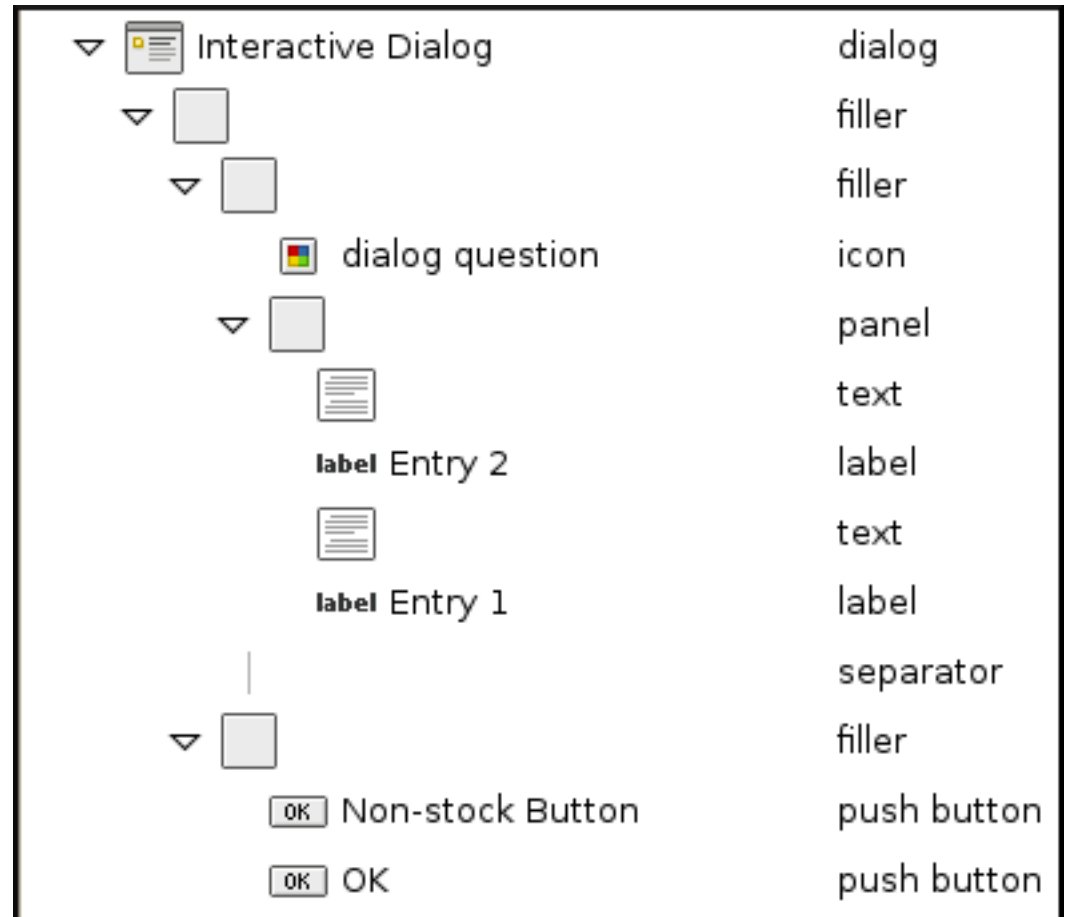
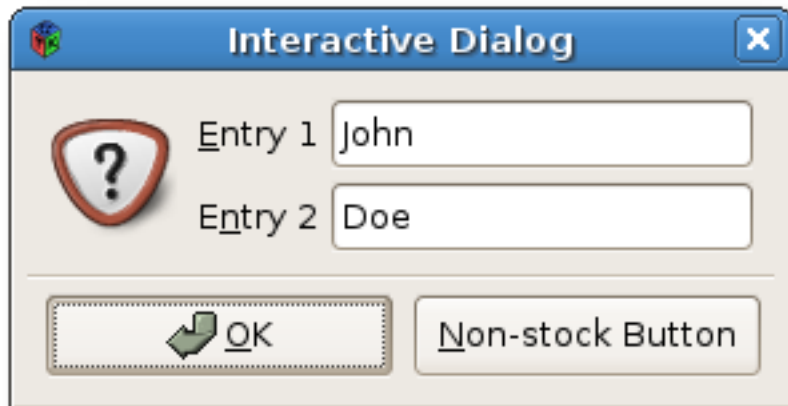
- Functional with exclusive keyboard use
- Consistent keyboard bindings
- Mnemonics work
- Keyboard shortcuts work, and make many shortcuts available
- Logical order when tabbing
- Keyboard navigation conventions are used



Assistive Technology Service Provider Interface



A Simple User Interface



Introducing Accerciser

- Has the same perspective of the user interface as an assistive technology
- Written in Python
- Plugin architecture
- Interactive Python console
- Customizable layout
- Accessible!



Accercising your application

- Visual overview, potential accessibility issues:
 - Components with no textual labels
 - Labels which label
 - Custom widgets
- Uncover the truth!

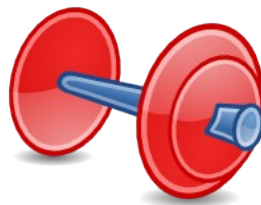


The last mile



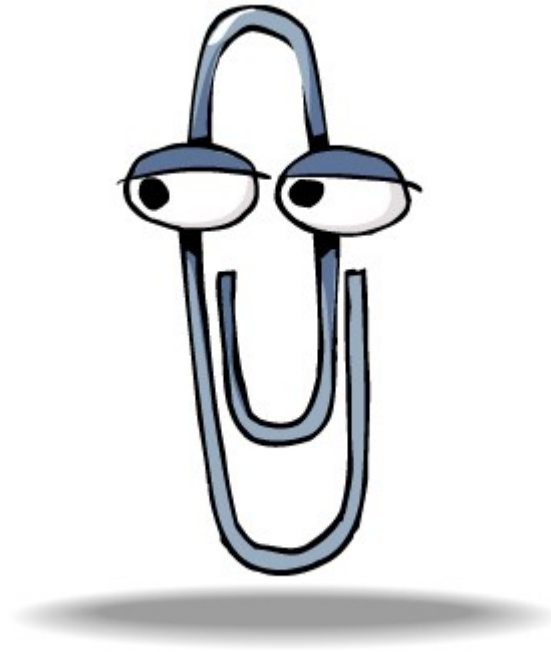
Message dialogs

- Catches user's attention
- Steals focus
- Interrupts work flow
- Good for urgent messages
- Bad for mildly informative notifications



Fancy toaster/bubble/pop-up things

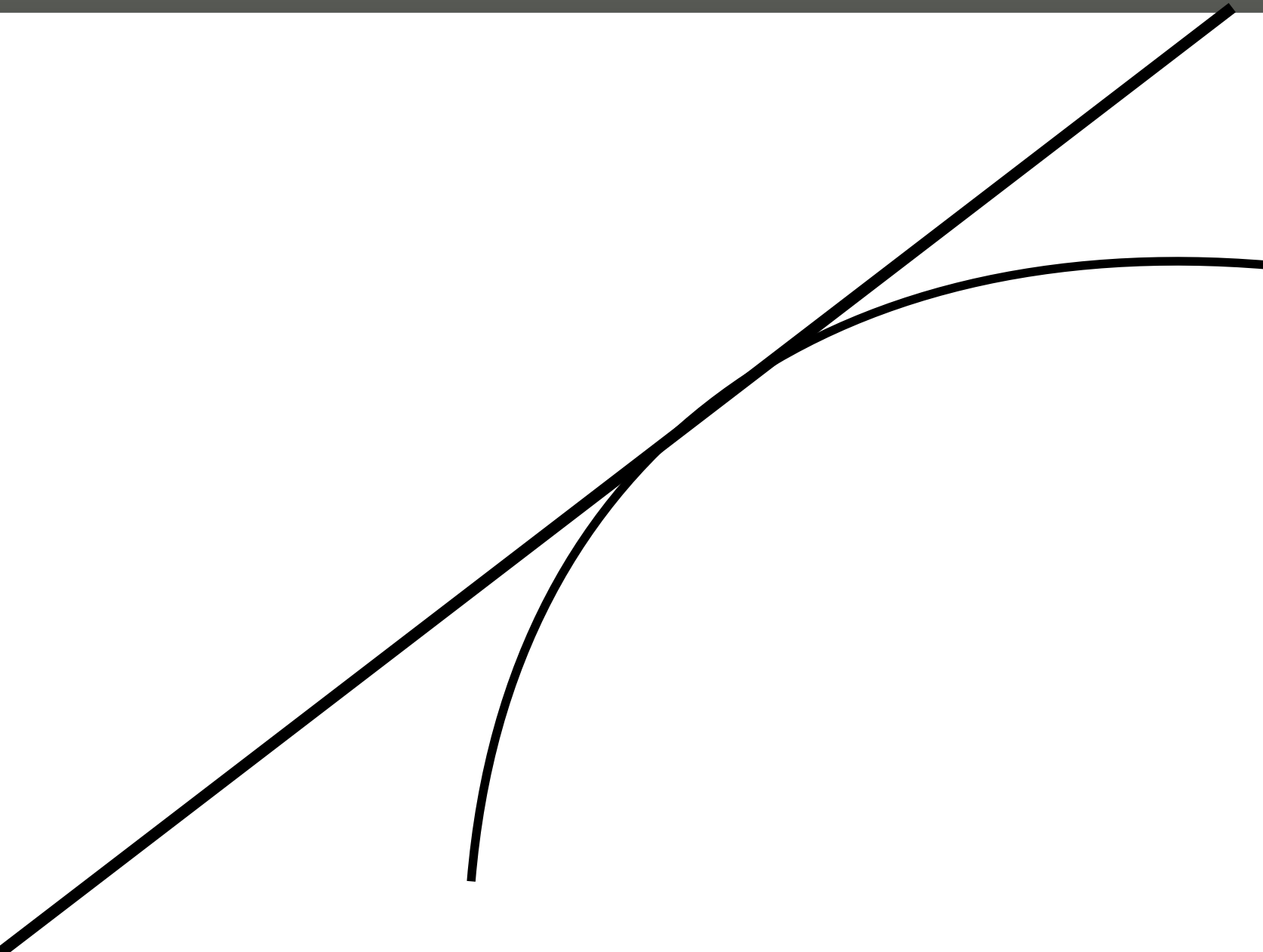
- Catches user's attention
- Does not steal focus
- Unobtrusive



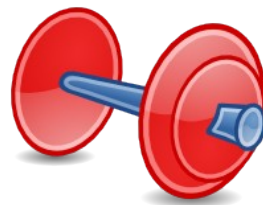
© Microsoft



Off On A Tangent



WAI-ARIA Intro



A Rose By Any Other Name

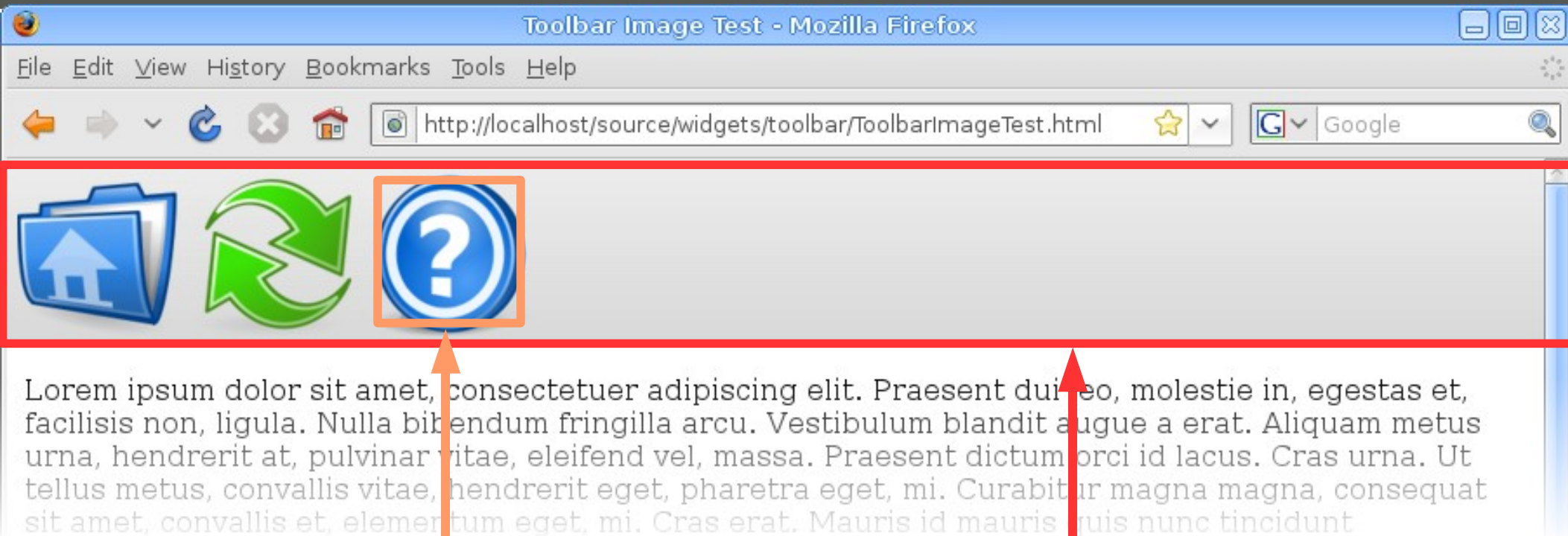


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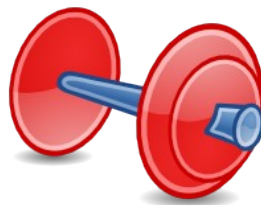


A Rose By Any Other Name



A Graphic

A Document Section

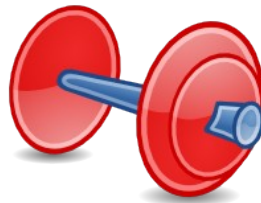


A Rose By Any Other Name

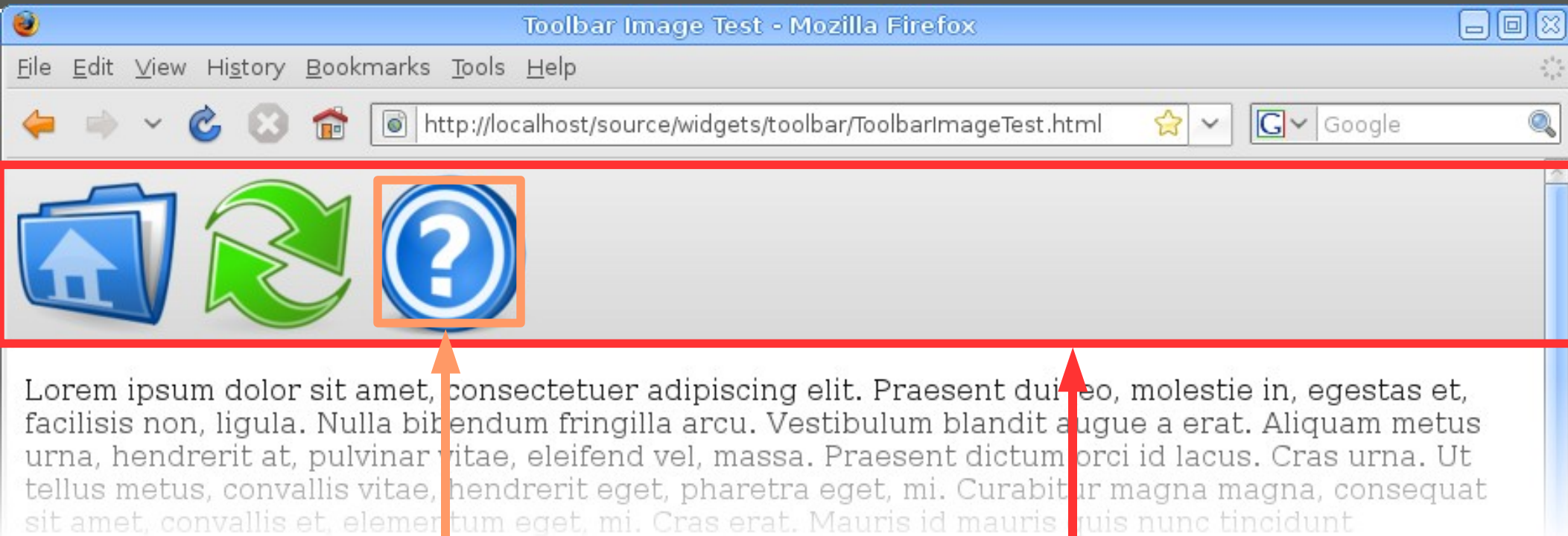


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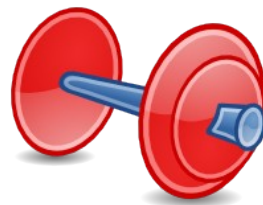


A Rose By Any Other Name



A Button

A Toolbar



End!

<http://live.gnome.org/Accerciser>
<http://codetalks.org>

