designers & hackers

goal: motivate you to pay attention to design when developing

design?

usability + accessibility interaction design information architecture information design, organization, findability

visual design

"to contrive for a purpose, to project for the attainment of a particular end" - The Century Dictionary, 1911

osborn-parnes creative problem solving process

explore the challenge

DEFINE THE GOAL

GATHER DATA

DEFINE THE SCOPE

generate ideas



prepare for action

FIND AN OPTIMAL SOLUTION PREPARE TO IMPLEMENT IT

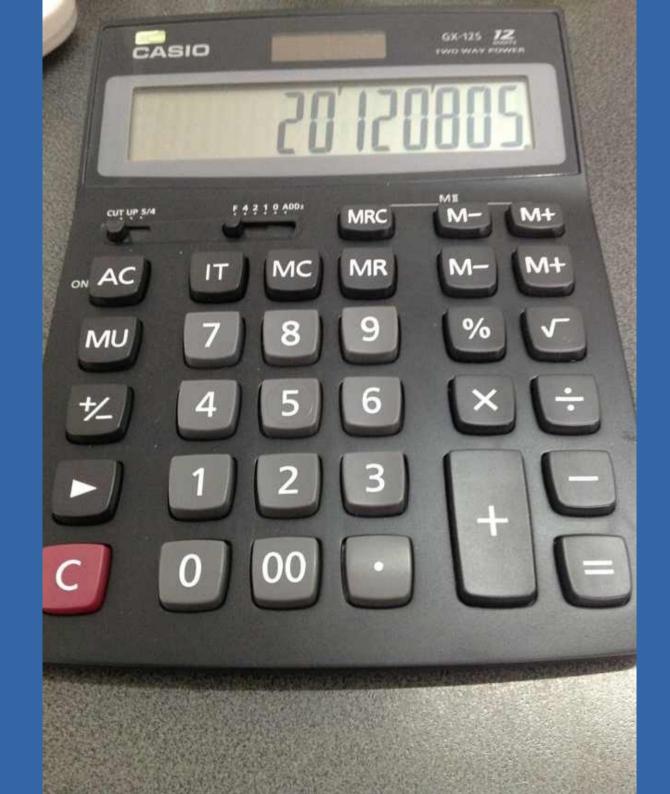
principles

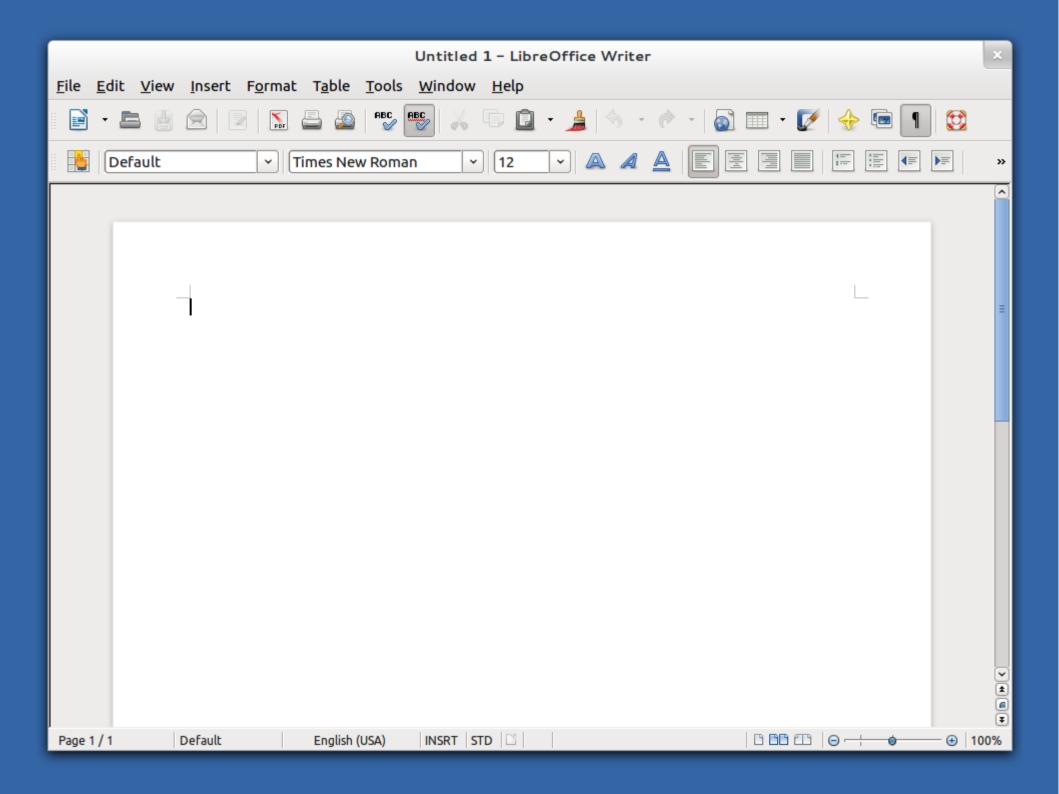
by Mozilla (w/ Alex Faaborg), based on work by Donald Norman, Jakob Nielsen, & Alan Cooper **SPEEDY**

TIME FOR MOVEMENT = DEVICE + DEVICE log_(1+DISTANCE / MIDTH ALONG AXIS OF MOTION

fitts's law

ux-visual-hierarchy



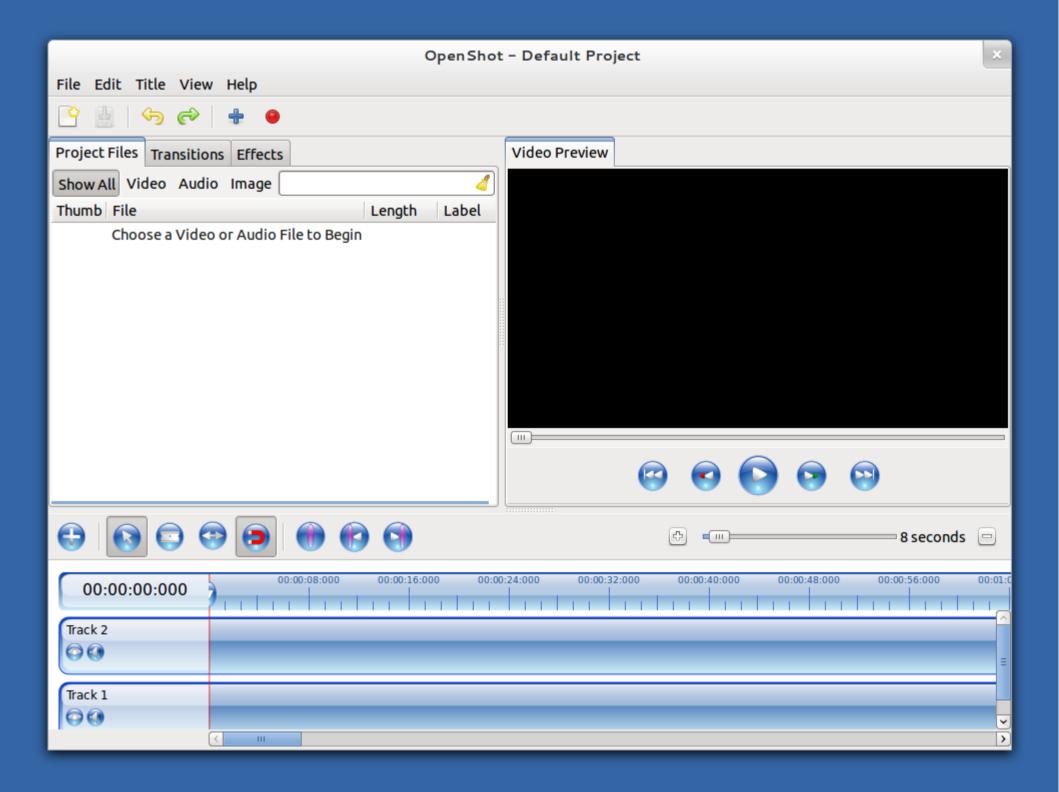


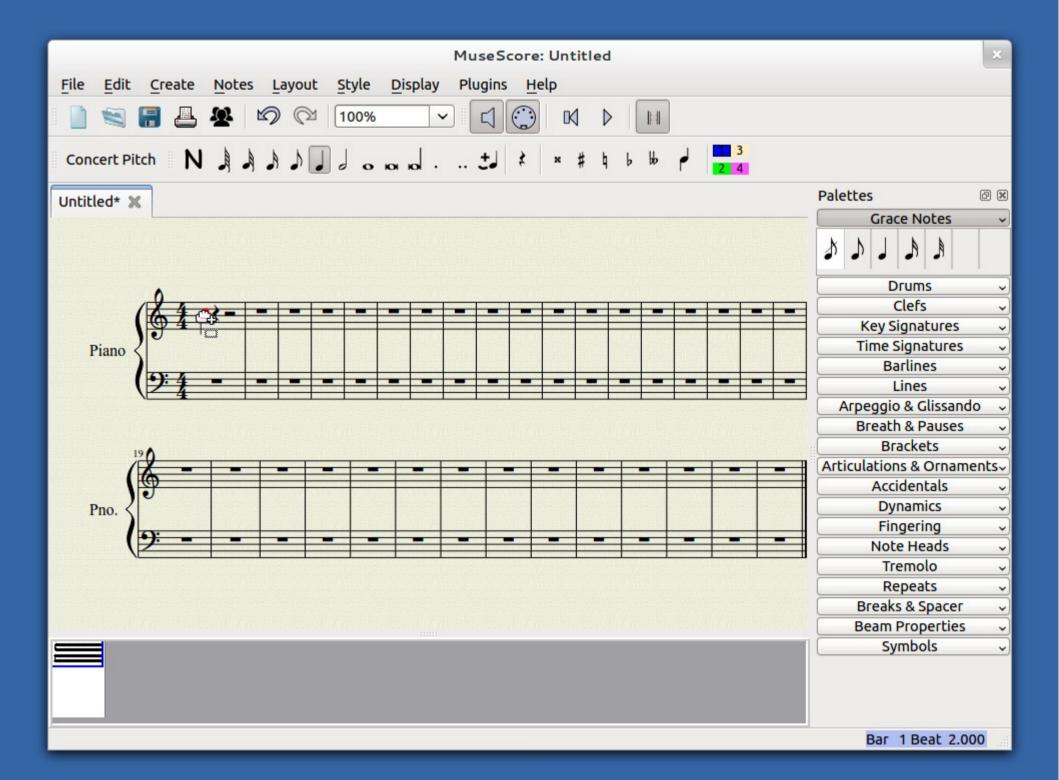
TIME TO CHOOSE =

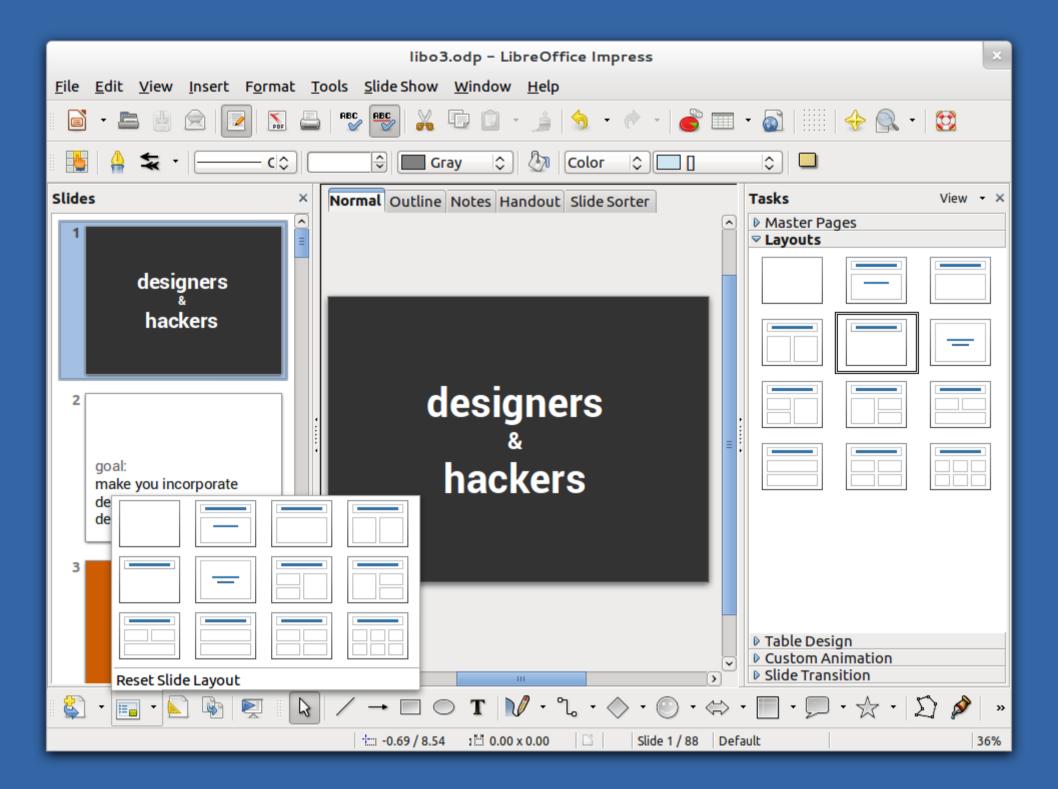
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hick's law

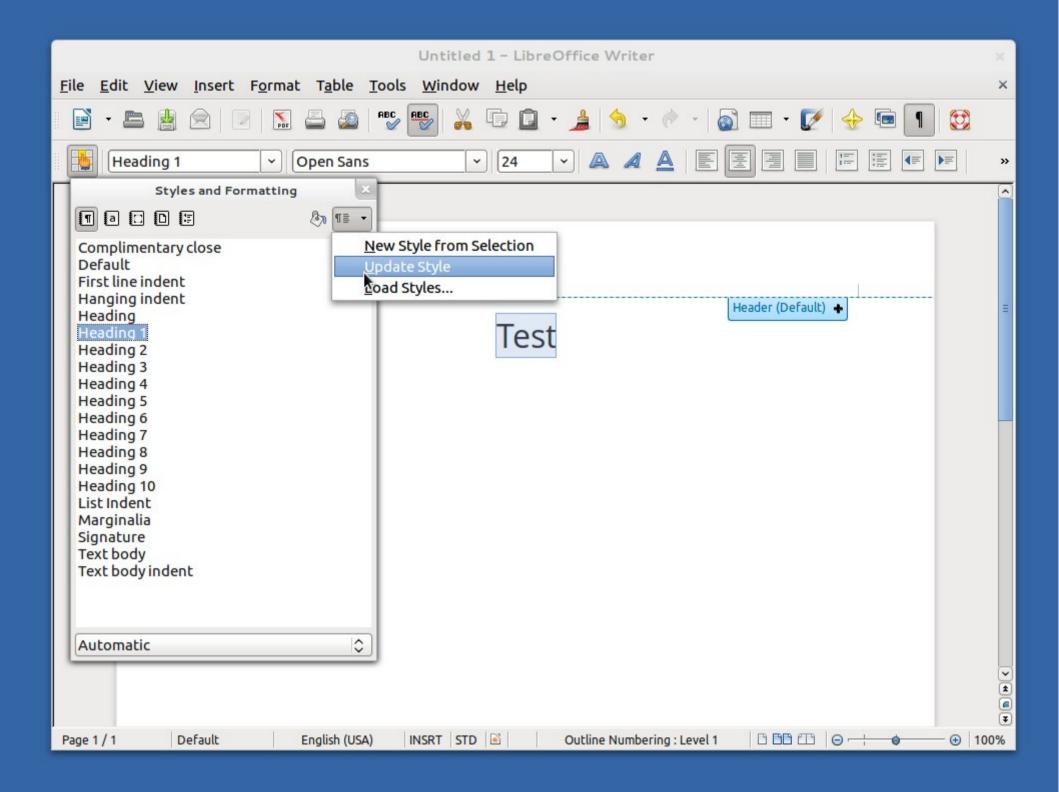
ux-minimalism

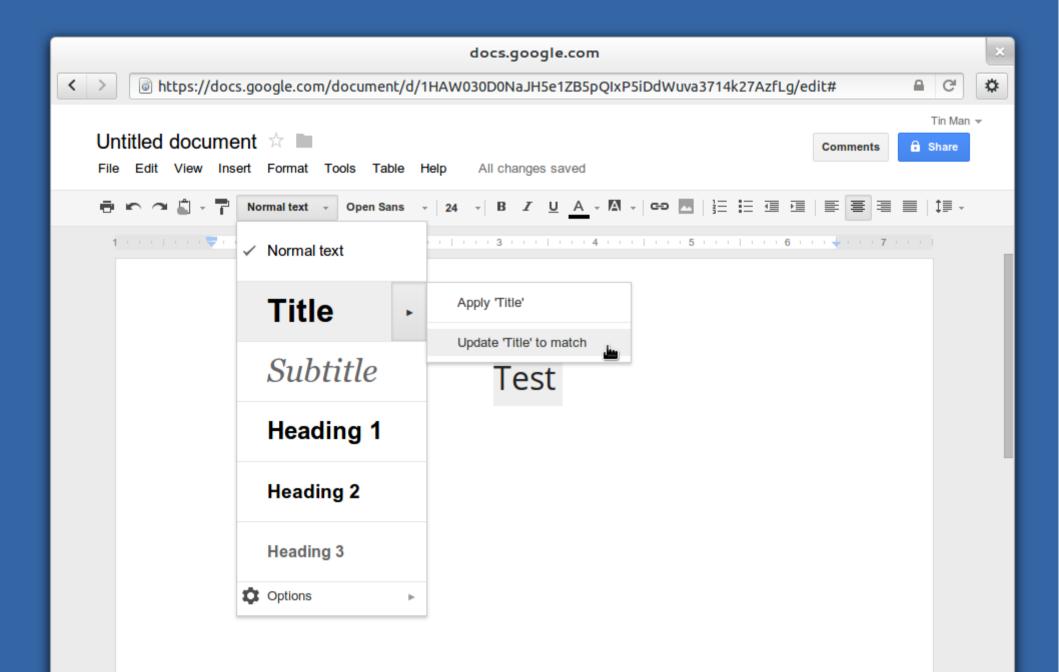






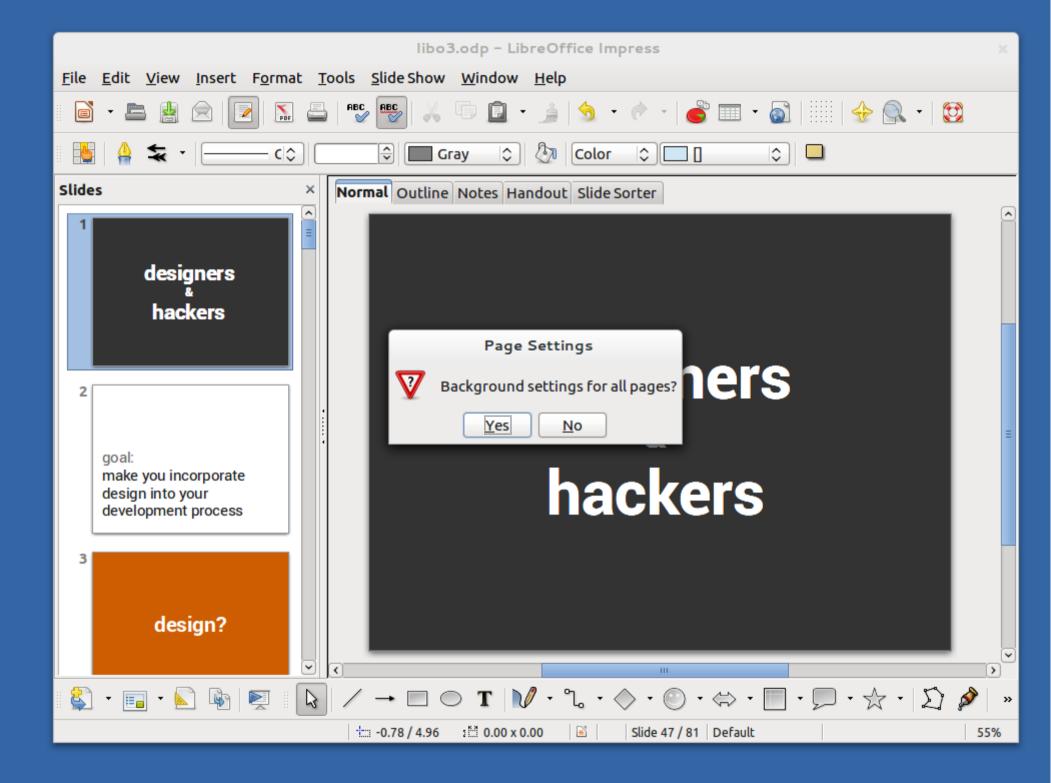
ux-efficiency





ux-interruption

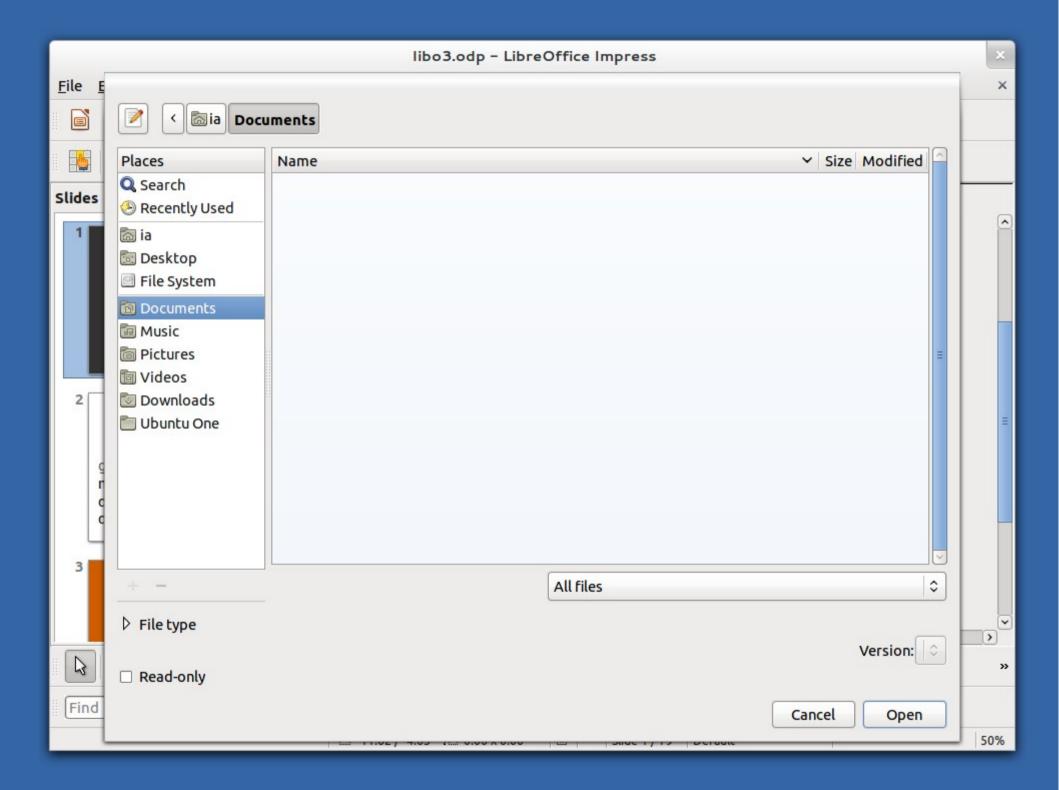




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ux-consistency

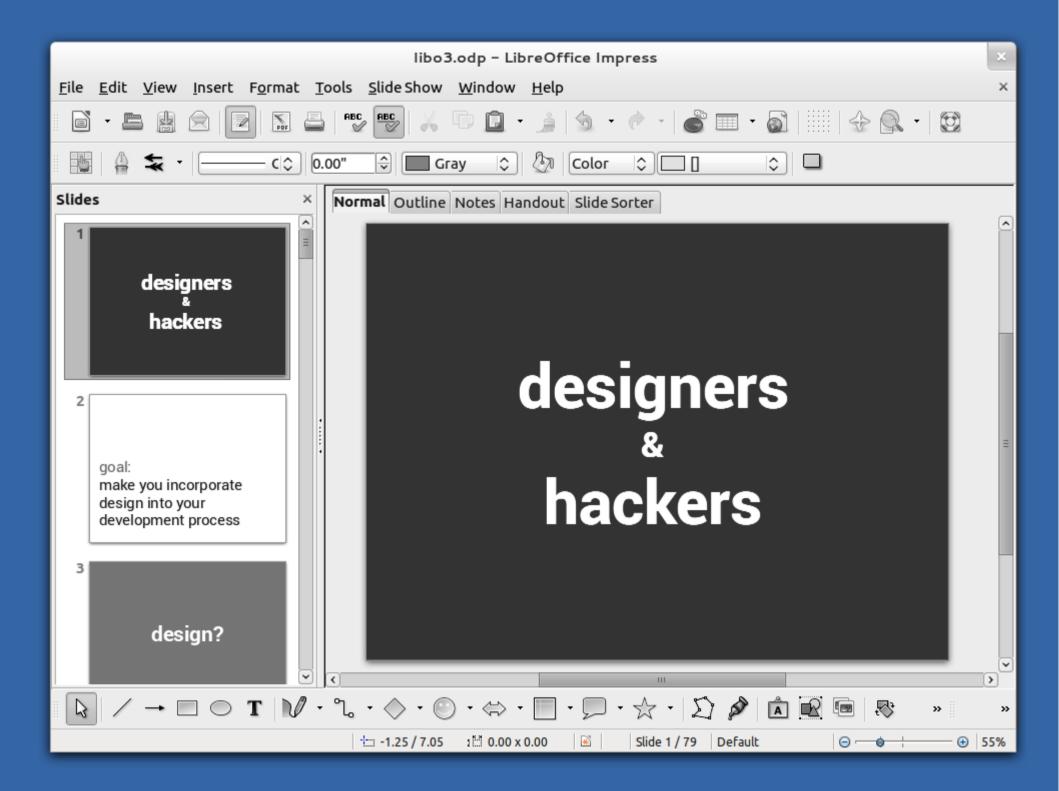
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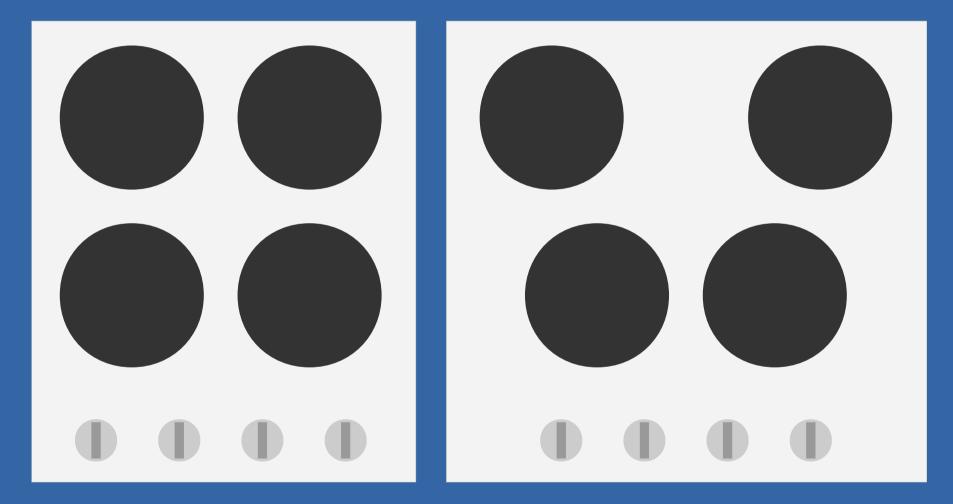
SELF-EXPLANATORY

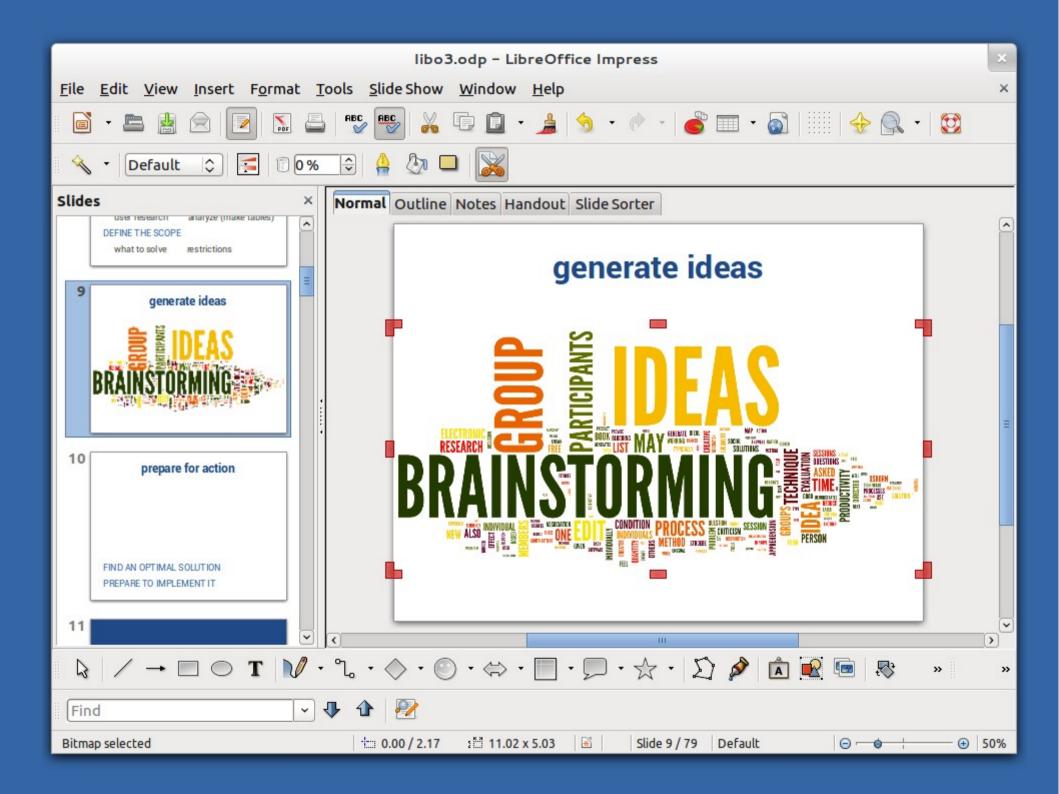
ux-affordance





ux-natural-mapping

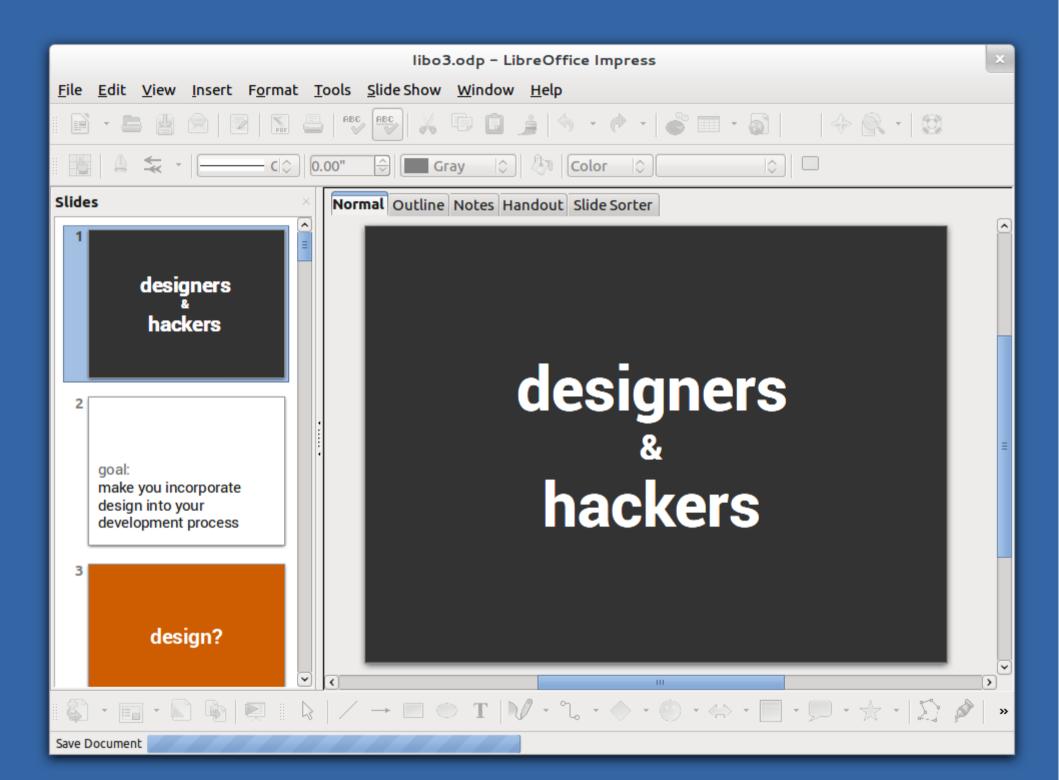




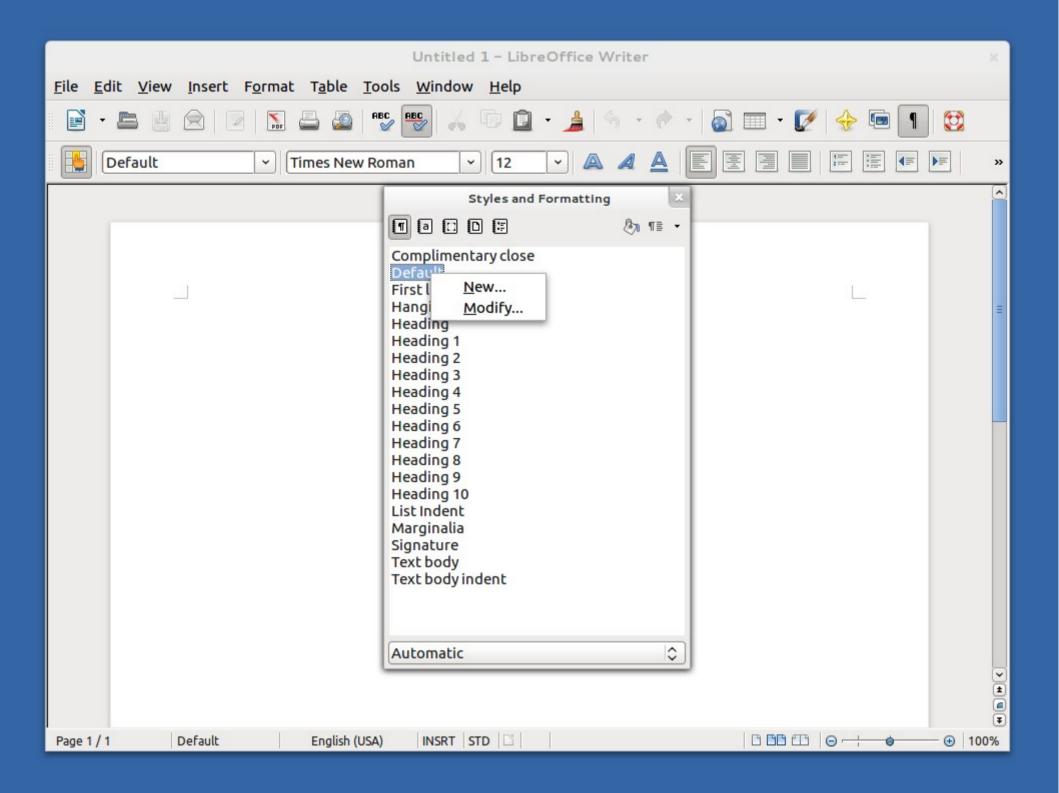
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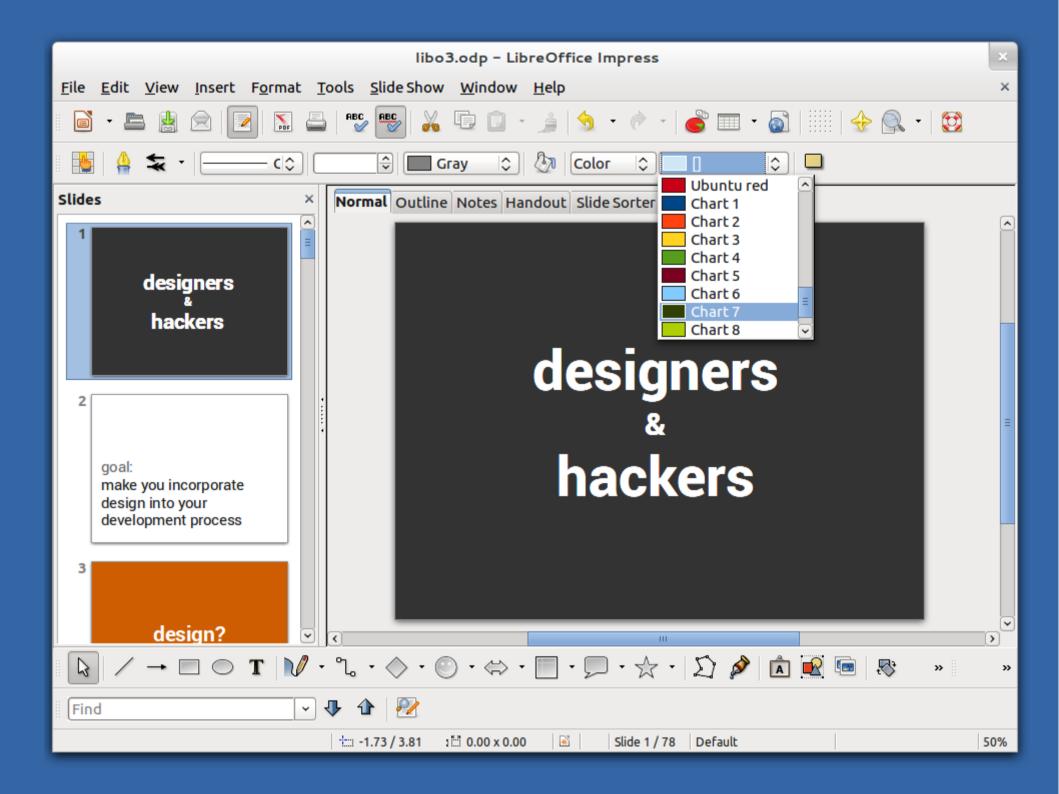
ux-feedback

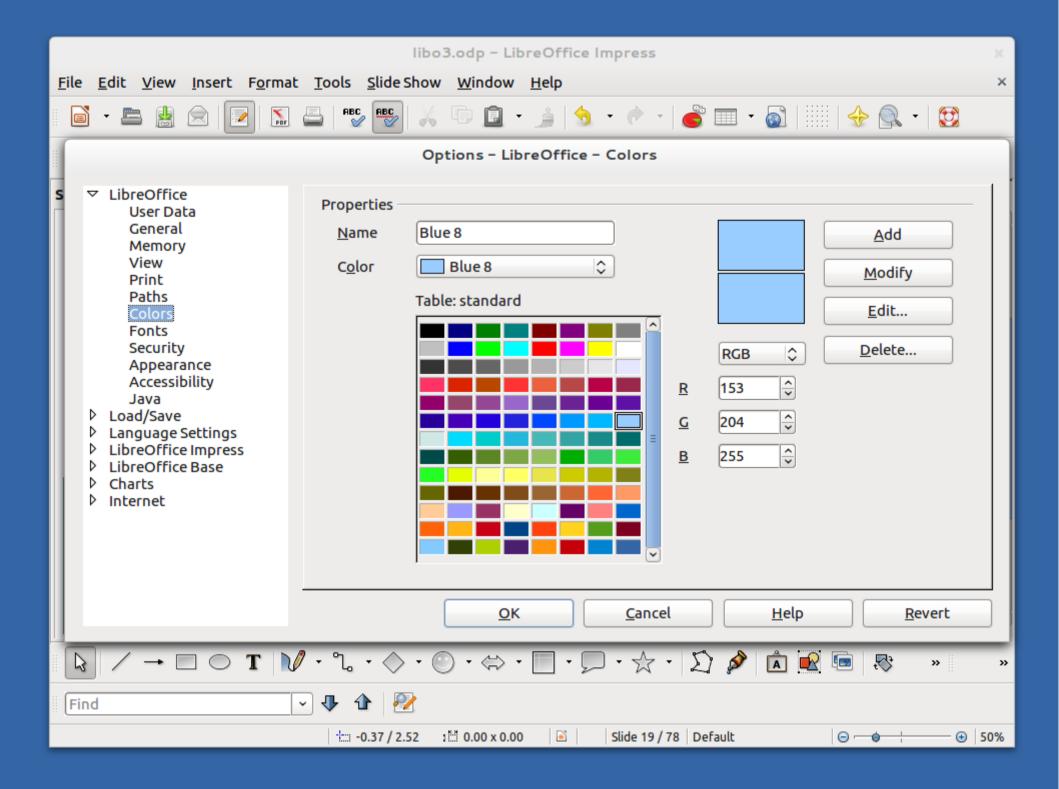




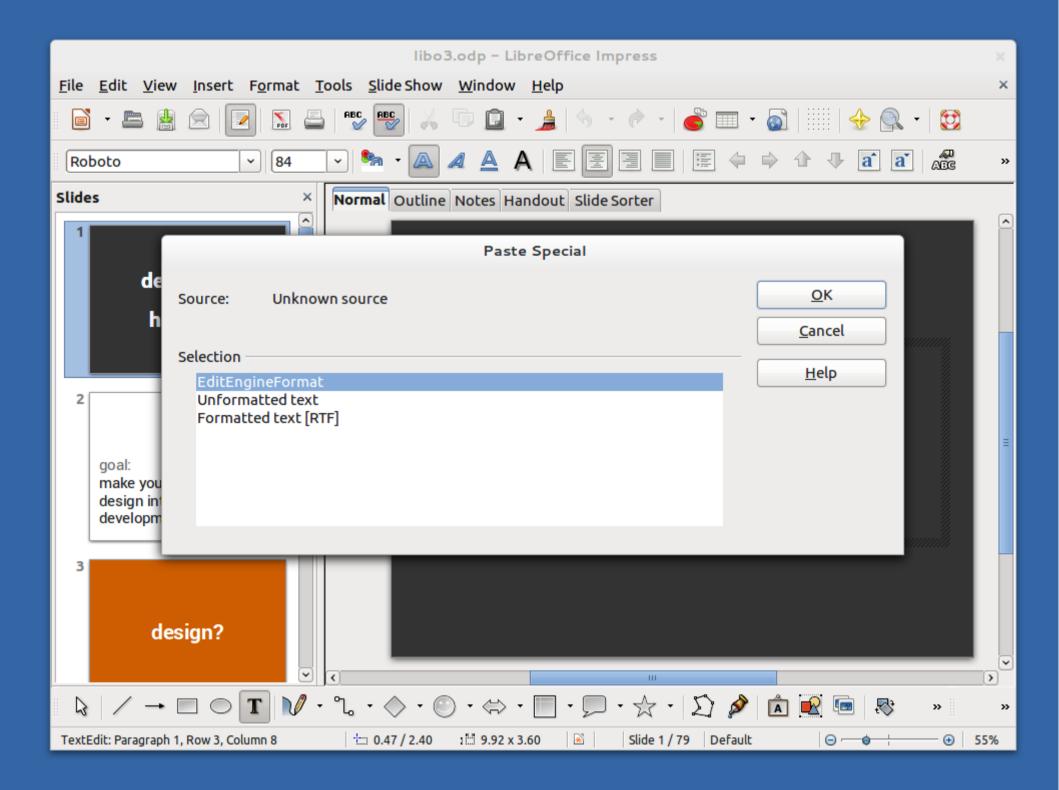
ux-discovery







ux-jargon



ERRORPROOF

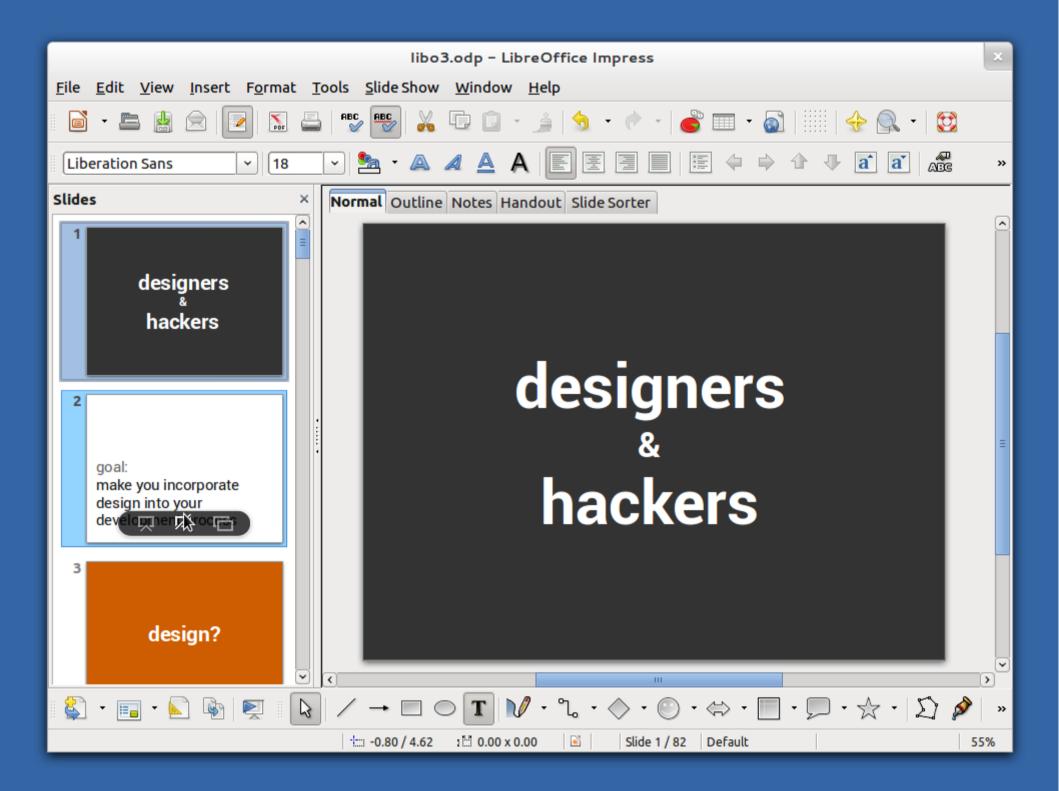
ux-undo

ux-error-recovery

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The 'Status' column shows whether t	he document could be recovered.								
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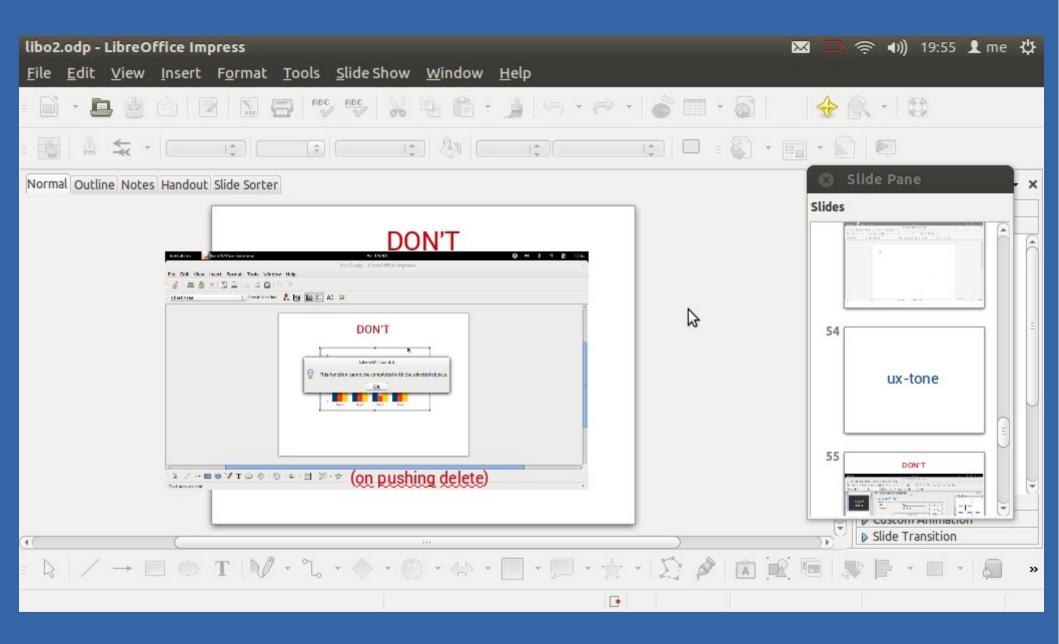
LibreOffice 3.5	
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The 'Status' column shows whether the document could be recovered.	
LibreOffice 3.5	1
Are you sure you want to cancel the LibreOffice document recovery?	
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hackers+designers.odp Not recovered yet	
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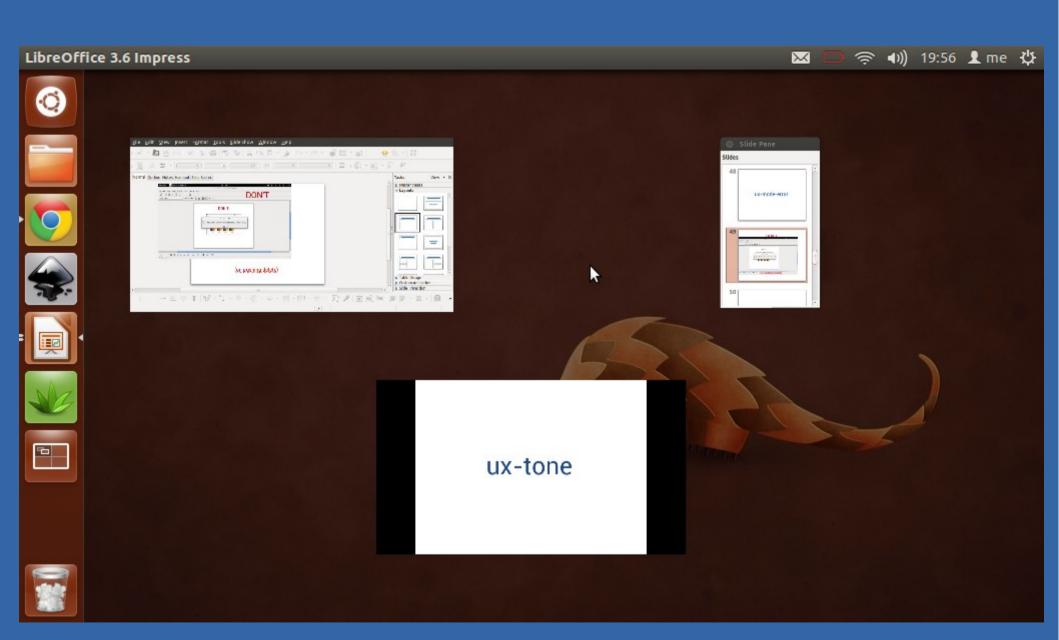
ux-error-prevention

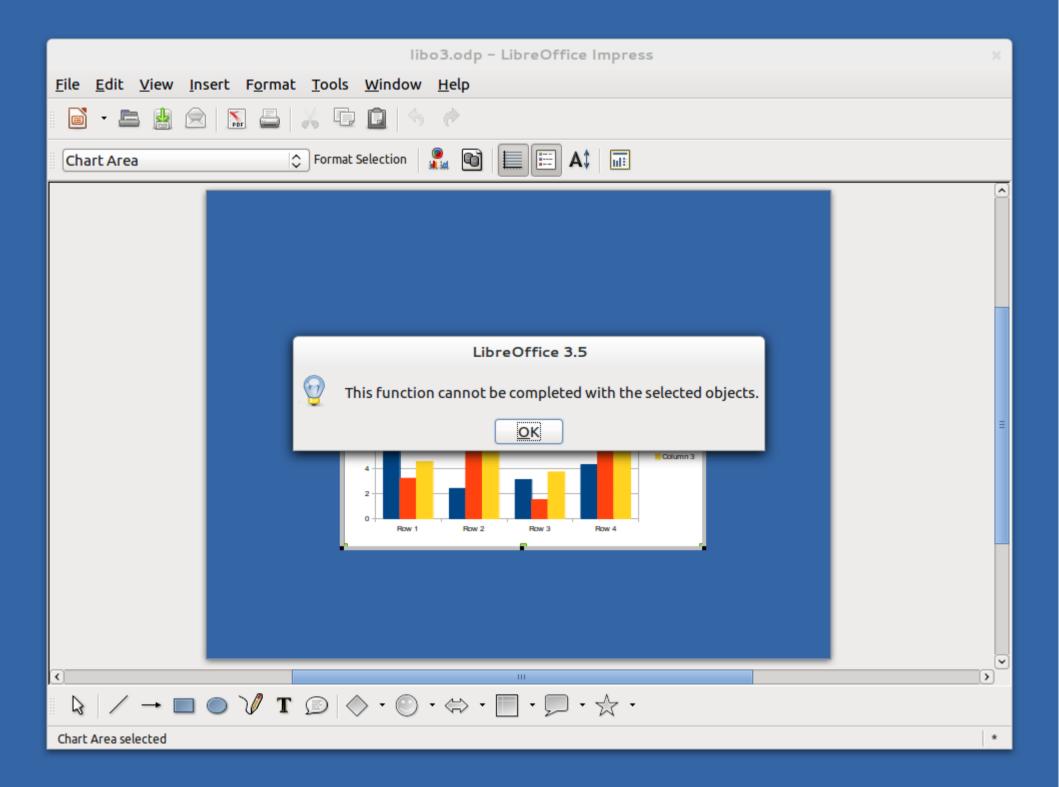


ux-mode-error



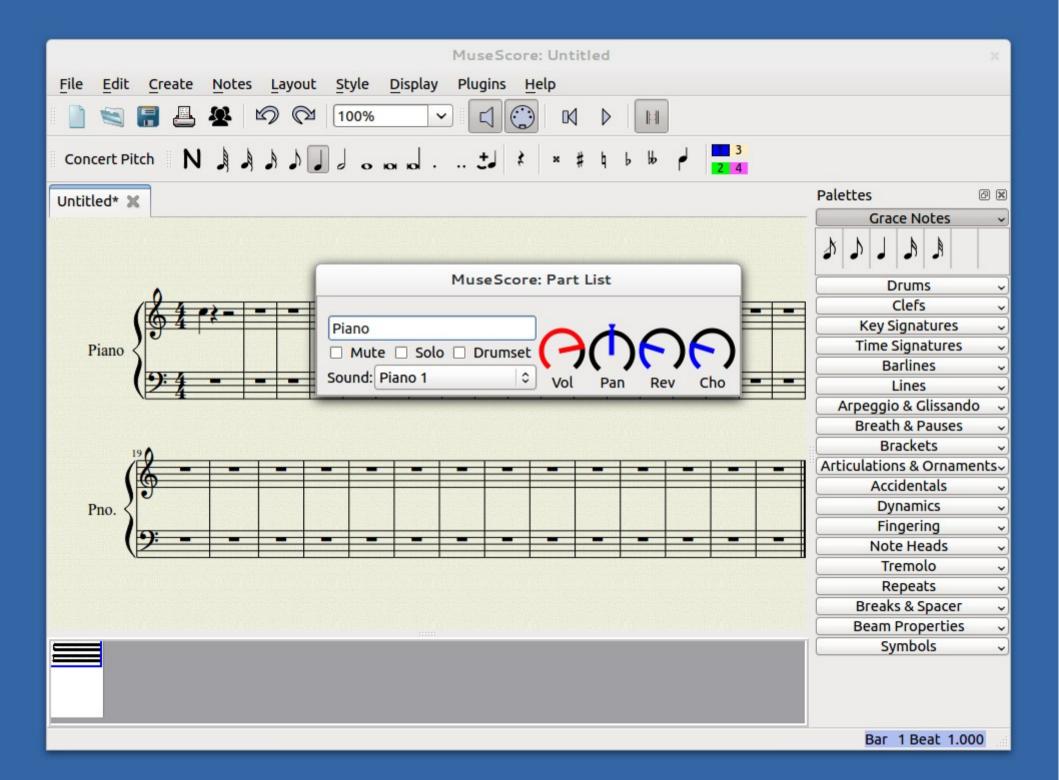






ux-implementation-level have a good conceptual model

"A good conceptual model allows us to predict the effects of our actions. Without a good model we operate by rote, blindly; we do operations as we were told to do them; we can't fully appreciate why, what effects to expect, or what to do if things go wrong." – Donald A. Norman, The Design of Everyday Things



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ux-control

ux-tone

what we do







playgrounds

user research

Design/Whiteboards/Whiteboard Template - The Document Foundation Wiki

http://wiki.documentfoundation.org/Design/Whiteboards/Whiteboard_Template

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Summary

Design a pithy idea workflow.

Status

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Call for Proposals Analyzing Proposals	Shaping Tentative Design	Implementation in Progress	Implemented
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Scope

In Scope	Out of Scope
Easy to browse throughTerse phrasesSpace for multiple proposals	Development tracking

Relevant Bugs

• Bug example 🔒

Definition of Terms

- Whiteboard: A wiki page for the purpose of developing a design idea into a full-blown specification.
- Scope: A list of qualities the final design should have. The scope should be broad enough to restrict proposals as little as possible.
- Bug: A software flaw that produces an incorrect or unexpected result.
- Persona: A made-up person who represents our common user. The way he uses LibreOffice helps shape the way
 we design our feature.

Discussion

• LibreOffice Design List 🖉

Personas

• Mr. Persona: A made-up user that represents the norm we want to design for. He does tasks similar to those of a



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http://wiki.documentfoundation.org/Design/Whiteboards/Whiteboard_Template

Proposals

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Proposal by Mirek2

Mockups





Whiteboard in "Read" mode

Whiteboard in "Edit" mode

Description

Read mode

In this mode, the whiteboard can be read by anyone.

Edit mode

In this mode, the whiteboard can be edited in wiki markup by signed-in users.

Proposal by Monica

Mockups



Design/Whiteboards/Whiteboard Template - The Document Foundation Wiki

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http://wiki.documentfoundation.org/Design/Whiteboards/Whiteboard_Template

Whiteboard in "Read" mode

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In this mode, the whiteboard can be edited in wiki markup by signed-in users.

Proposal by Monica

Mockups



Space for another designer's proposal

Description

Adding proposals

Each designer should be able to add his proposal under the "Proposals" category.

Relevant Art

• Gnome Whiteboards 🖗

log http://wiki.documentfoundation.org/Design/Whiteboards/Impress_remote#Tentative_Design

Open Problems

Presentation of Slide Notes

In the same view as slide thumbnails	In a separate view
 Allows the user to see the slide as well as the notes that accompany it simultaneously. Doesn't require a tab bar (useful if we want to use the slide gesture to advance slides) 	 Make it possible to present a bigger preview of the slide and more of the notes.

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Final decision: In the same view as slide thumbnails

Advancement of Slides

The following are non-exclusive, and we may choose a combination of solutions.

Using on-screen buttons	Using a slide gesture	By tapping on the slide thumbnai or notes				
 Allows the use of a tab bar for a slide gesture. Doesn't have to be explained to the user in advance. Makes it possible to navigate both back and forward. 	 Makes it possible to advance the slide without looking at the screen. Makes it possible to navigate both back and forward. Intuitive to touch users, who use the same gestures for moving between photos. 	• Familiar to desktop users				

Final decision: Using a slide gesture

Portrait vs. Landscape Mode

Show the same info	Use different views
• Consistent	 Fast view change Presenter doesn't have to look at the screen to change

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wiki.documentfoundation.org

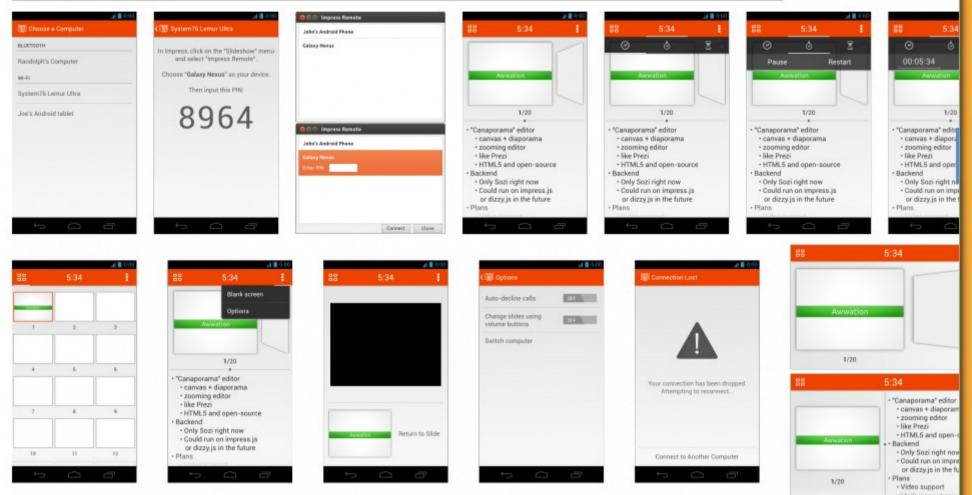
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log http://wiki.documentfoundation.org/Design/Whiteboards/Impress_remote#Tentative_Design

Tentative Design

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Connecting to a computer

If the connection was forcefully disconnected (Via the modal bar) after the last time the remote was used one should need to enter a new PIN. Otherwise the app should try to reconnect using the last settings. Same goes for the PC.

The first screen the app shows is the one to select computers that the cell can connect to via wlan or bluetooth. Then the user can generate a PIN on the phone and enter it on the PC. Those set-up screens can be reached via the

find us or join us

WIKI Design **GOOGLE+** LibreOffice Design E-MAIL libreoffice-ux-advise @lists.freedesktop.org **FREENODE** #libreoffice-design Saturday, 16:00 UTC

libreoffice-ux-advise @lists.freedesktop.org

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DESIGNERS <=> HACKERS