

Creating Innovative Good User Interfaces

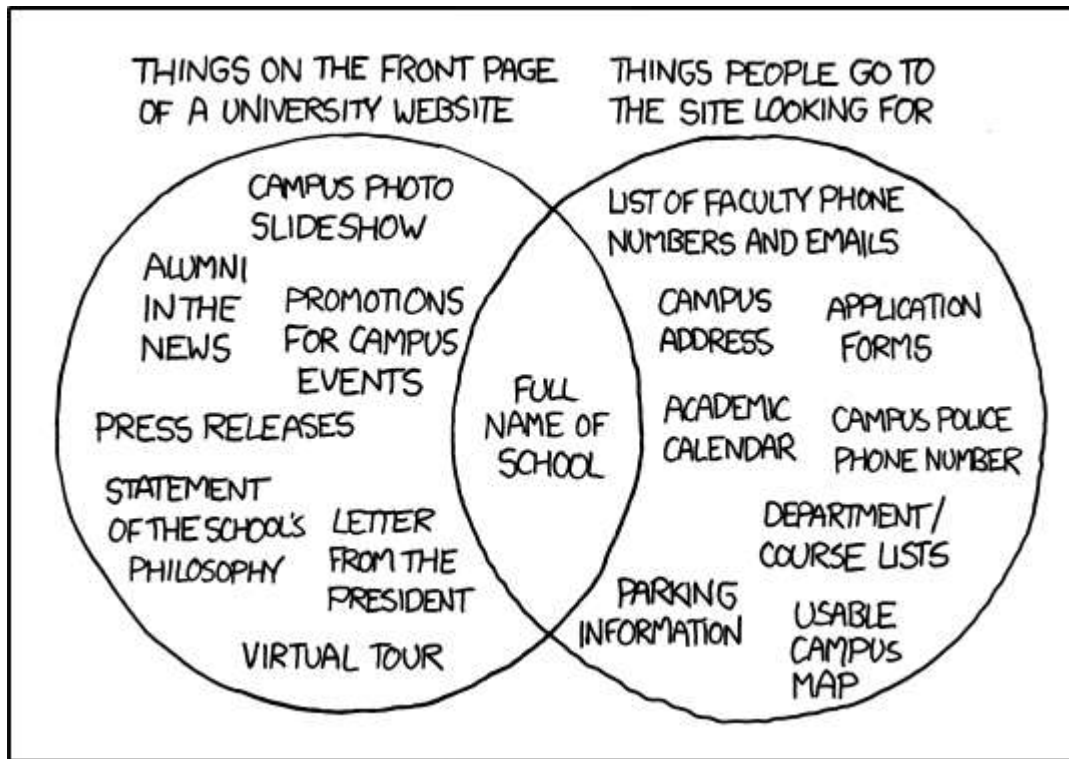


Agenda

1. ~~Most~~ Many User Interfaces are poorly designed
(Why? And some tips and tricks how to avoid them...)
2. NI: UIs for Portable Devices
(Data Dashboard II)
3. The Cool Part: Demos!
(Because everybody loves cool demos)

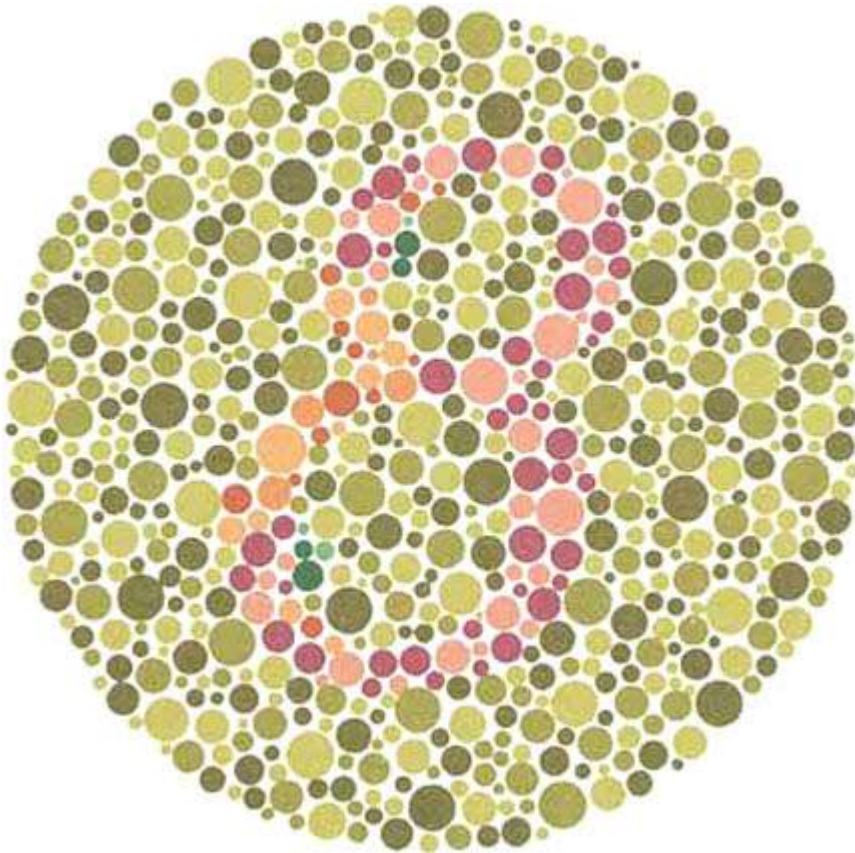
Most Many User Interfaces are poorly designed

A self-serving agenda... Who are the users?



<http://xkcd.com>

Thinking about User

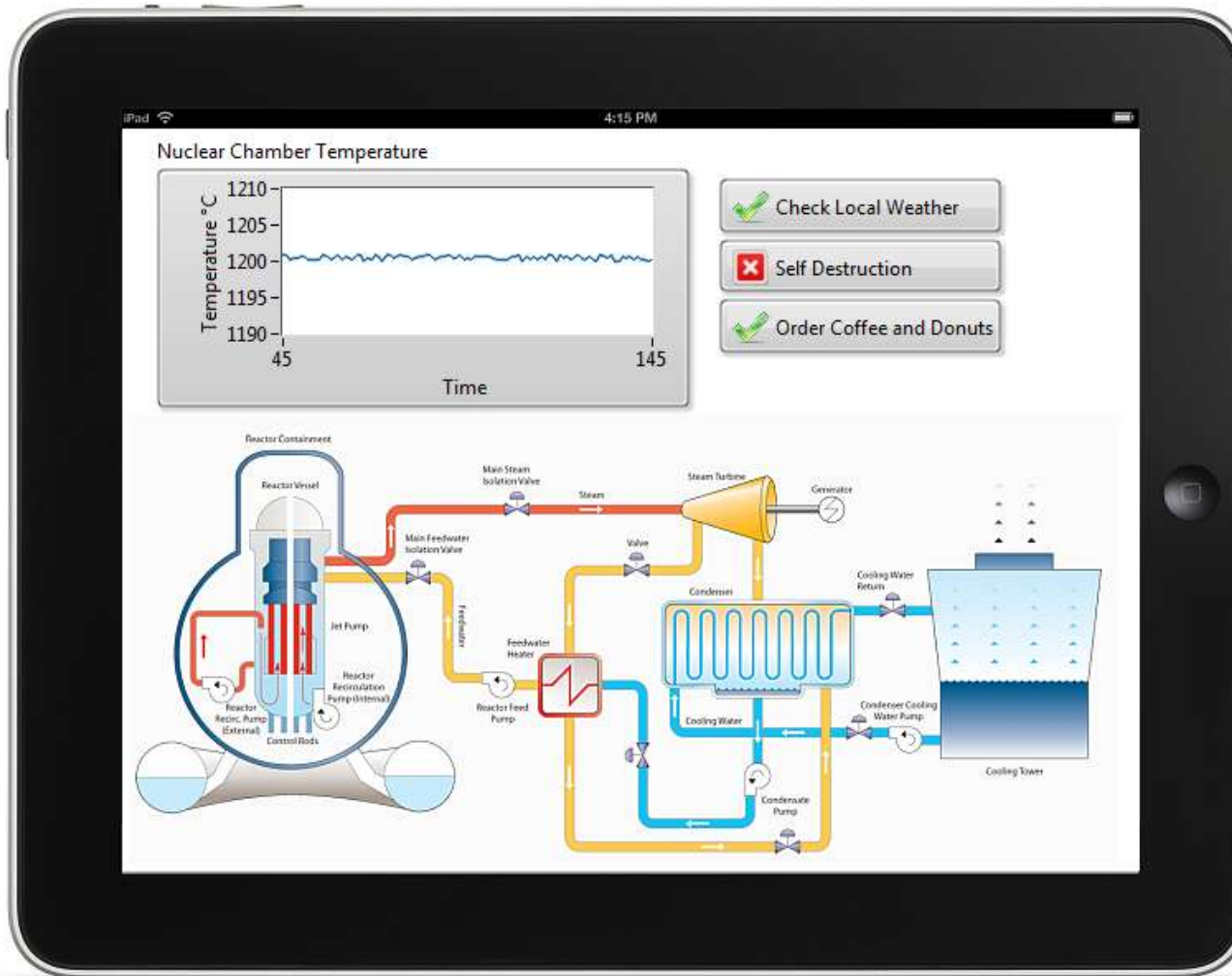


Can you see
the number 9
here?

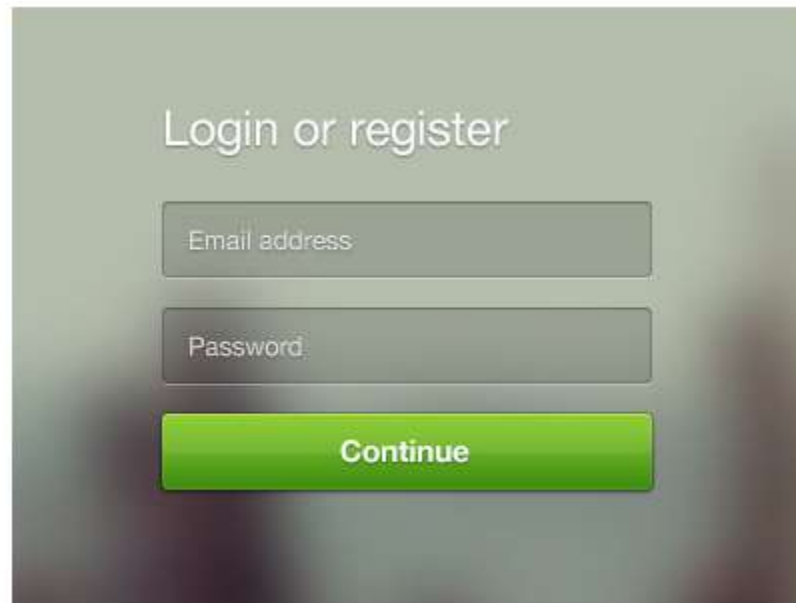


Yes 9! Or
something
else?

Thinking about User



Thinking about User



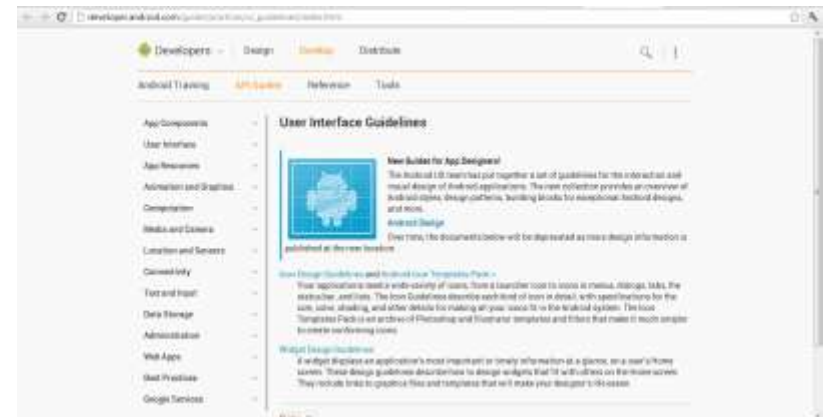
A screenshot of a web form titled "Login or register". The form is centered on a blurred background. It contains two input fields: "Email address" and "Password", both with light gray borders. Below these fields is a prominent green button with the text "Continue" in white. The overall design is clean and modern.

Where to find UI Style Guidelines for Free?

Mac OS X Human Interface Guidelines



User Interface Guidelines Android Developers



Wikipedia - Human interface guidelines





Be careful when you are a "great" artist...

Apple v. Samsung jury finds Apple's patents valid,
awards it nearly \$1.05 billion in damages

By Richard Lawler 📰 posted Aug 24th 2012 6:44PM

BREAKING



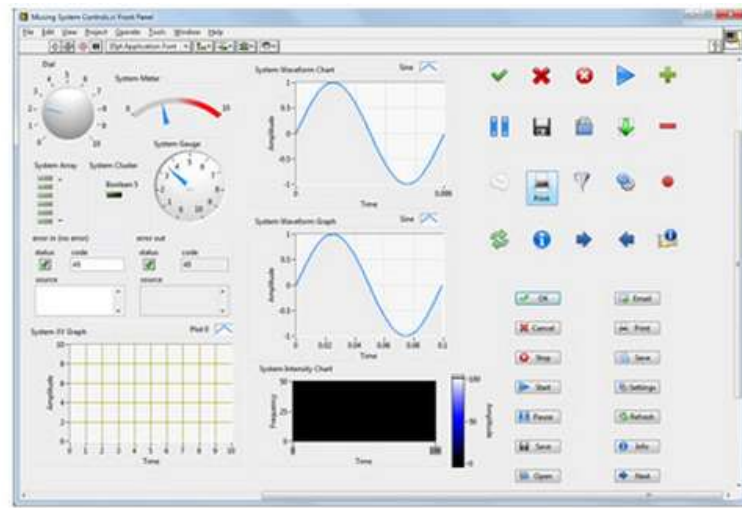
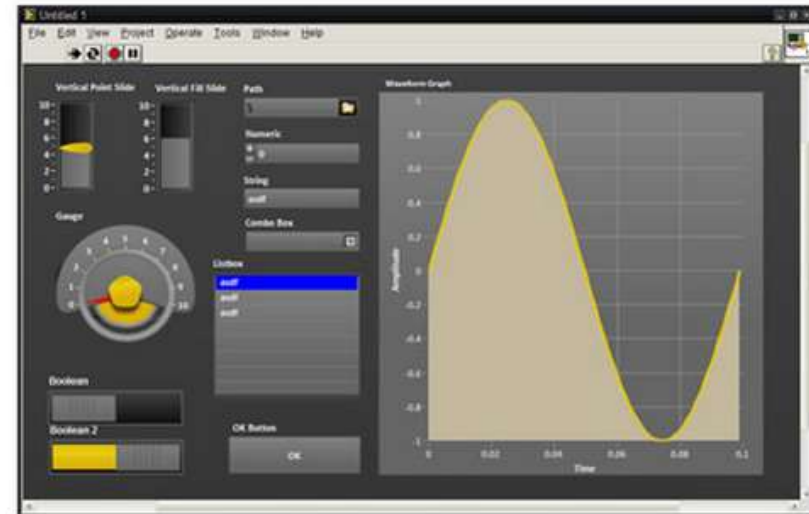
<http://www.engadget.com/2012/08/24/apple-v-samsung-decision/>

Web -> Inspiration



Customized Controls For Free

<http://www.ni.com/labview-tools-network/>



NI: UIs for Portable Devices

New Data Dashboard for LabVIEW



Summary of New Features in the Enhanced Data Dashboard for LabVIEW App

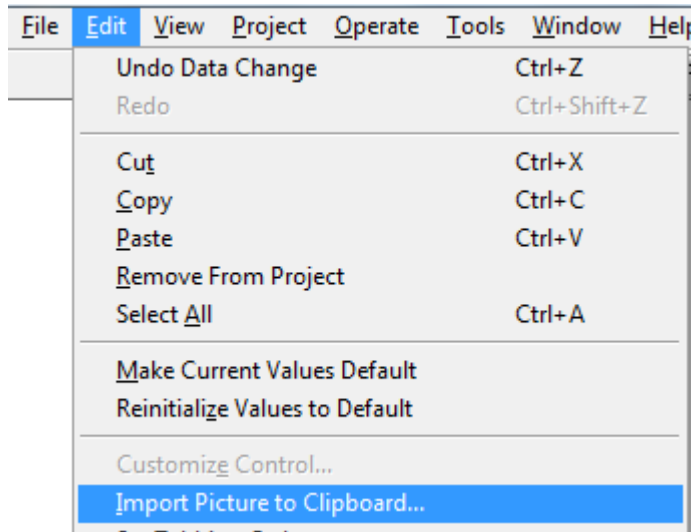
- Create custom layouts (place dashboard elements freely)
- Add controls as well as indicators
- Share dashboards via email or the NI Cloud
- Connect to data using secure or non-secure web services or network-published shared variables
- Customize the look and feel of individual dashboard elements
- Define background colors or use an image
- Create many dashboards and make single dashboards multi-page
- Access data from the NI Technical Data Cloud

Demos :-)

- 1.) Using Transparent Images
- 2.) Control a VI with Mobile Devices
- 3.) Moving/Adding UI Components during Run time



1.) Demo: Using Transparent Images



→ CTRL+V →



And how to use those with your application?

2.) Demo: Control VIs with Mobile Devices

NI Data Dashboard



TouchOSC



3.) Demo: Moving/Adding UI Components during Run time

Is it possible to add new UI objects during runtime???


Lets find out...

UI Interest Group

UI Interest Group Latest Activity: 2 days ago

Overview Members (127) Discussions (55) Documents (65) Blog Posts

Group Overview



This group is for the discussion and sharing of anything related to the front panel and user interface. Custom control themes, XControls, level practices and templates are all reusable and sharable. Together we can make our front panels beautiful!

Owned by:
RICK
Gomez


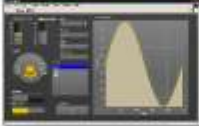

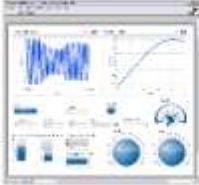
Tags: ui, controls, xcontrols, labview, front, panel

Group Type: Open

Created: Mar 20, 2009

Actions

- Start a discussion
- Create a document
- Create a blog post
- Create a poll
- Create by email
- Invite people to join this group
- Leave this group

Title + Link	Preview Image
The "Missing" System Control Suite	
"Military" Theme Custom Control Suite	
"Industrial" Numeric Control	
Hi.com inspired Custom Control Suite	

Popular Blog Posts

- Reusable UI's in LabVIEW Interest Group
- LabVIEW UI Tips and Trick Part 1 in UI Interest Group
- A UI Challenge and a Little Response in UI Interest Group
- Cool Tools for controlling Front Panel (UI) Objects in Interest Group
- iPhone-like scrolling theta controls in UI Interest Group

<https://decibel.ni.com/content/groups/ui>

Questions?