

CaptainCasa

CRAP Rules

- · CRAP
 - Contrast
 - Repetition
 - Alignment
 - Proximity





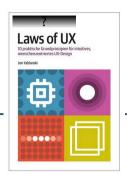








"10 Laws" of UX



- · "10 Laws" of UX
 - Jakobs: "Uniformity enables concentration on content"
 - Fitts: "the smaller the button, the more difficult to hit"
 - Hick: "remove what is not required"
 - Miller: "7 +/- 2"
 - Postel: "be flexibel!" (responsive, user input, ...)
 - Höchststand-Ende: "Bam! at the right point"
 - Schönheit: Aesthetics creates pleasure
 - Restorff: "Essential things have to be different"
 - Doherty: "> 400ms is stupid"
 - Tesler: "you cannot remove inherent complexity!"

Hmm...

Name	Email Address
Requirement Details	

Now look at this one:

Form 4506-1 (September 2018) Department of the Treasury Internal Revenue Service	➤ Do not sign this form unless a	OMB No. 1545-1872	
our automated self-help service		of charge. See the product list below. You can quickly in "Get a Tax Transcript" under "Tools" or call 1-800-9 ifee to get a copy of your return.	
1a Name shown on tax re shown first.	turn. If a joint return, enter the name	1b First social security number on tax return, indi number, or employer identification number (s	
2a If a joint return, enter s	pouse's name shown on tax return.	2b Second social security number or indivi identification number if joint tax return	dual taxpayer
3 Current name, address	s (including apt., room, or suite no.), city, s	tate, and ZIP code (see instructions)	
4 Previous address show	on on the last return filed if different from li	ne 3 (see instructions)	
5a If the transcript or tax and telephone number		(such as a mortgage company), enter the third party	r's name, address,
5b Customer file number	(if applicable) (see instructions)		

Hmmmm...





Was wollen Sachbearbeiter?

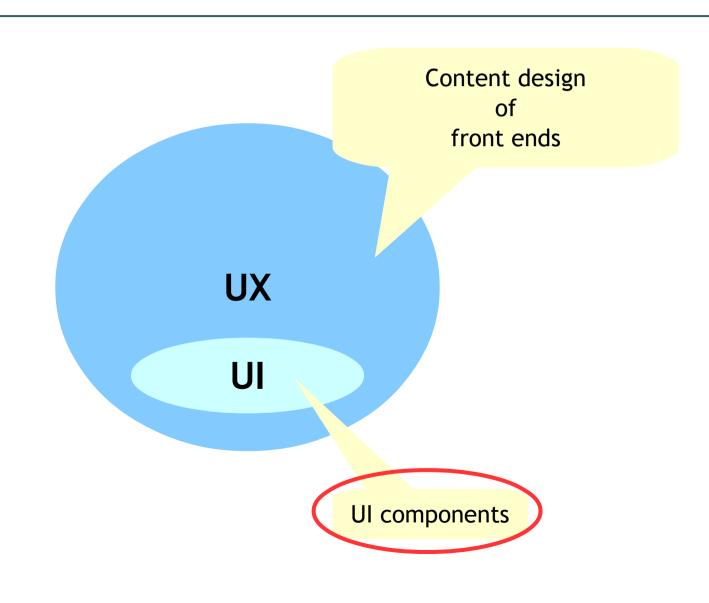
- · Klares Design mit guter Lesbarkeit
- · Einheitlichkeit über viele Dialoge
 - Platzierung von Controls
 - Verhalten beim Speichern
- · Angemessene, übersichtlich strukturierte Informationsmengen
 - von klein bis GROOOSS!
- · Flexibilität bzgl. Abläufe

What do employee users want?

- · ...not to be annoyed!
- · ...don't get eye sick!

- · positive emotions:
 - see what they have achieved!

Einordnung der folgenden Punkte



1 - Check your CSS style

- Do not experiment Use!
 - https://m3.material.io/



- But: do not use the styling of your external web site
- But: do not follow enthusiasm of developers for a certain style

1 - Check your CSS style

- · In general: enlarge
 - font size
 - distances between controls
- · In general: choose a font consciously
 - https://fonts.google.com/ etc.
- · Remove vertical lines in grids

1 - Check your CSS style

- · Reduce the weight of your scroll bars
 - Designers "hate" scroll bars
 - Users
 - "hate" scroll bars, that are not visible
 - appreciate
 - the information of scroll bars
 - the possibility of directly scrolling to a certain position

Scroll bar design



2 - [Label, Field, Button]

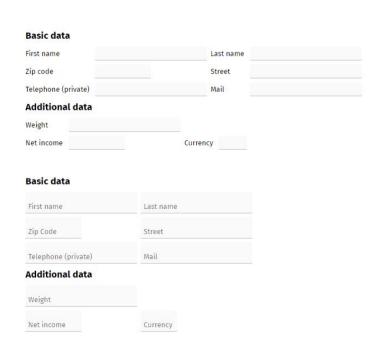
Search	▼ Search
First name	Last name
Gender	Male Female Diverse
Street	
Street (addition	
Town	
Country	•
	Guest history

Search			_
First name		Last name	
Gender Male	Female (Diverse	
Street			
Street (addi	tional)		
Zip code	Town		
Country			

Guest history

2 - [Label, Field, Button]

- · "All in one field"
 - CRAP at its best!
 - Enormouse gain of horizontal space
 - Uniformity of dialogs
 - labels do not drive the layout anymore!



3 - Discover the z-level

- · "Overlaying" of content
 - clear reference to content
 - compact
- What happens with overlayed content?
 - Autoshow/hide
 - Moveable

3 - Discover the z-level

- Use lightweigt popups
 - No decoration
 - No close-icon
- Adequate for
 - Selections
 - Additional info / input
 - Jump to advanced functions

CaptainCasa

Components

OVERLAYAREA
 OVERLAYAREABASEITEM
 OVERLAYAREAITEM
 TPBC:MOVEABLEAREA

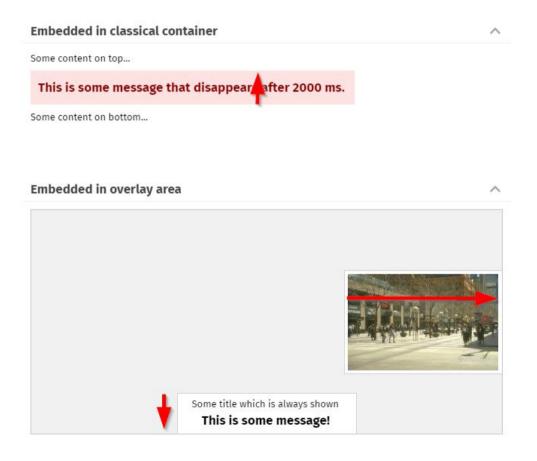
· SIZEANIMATIONAREA

CaptainCasa

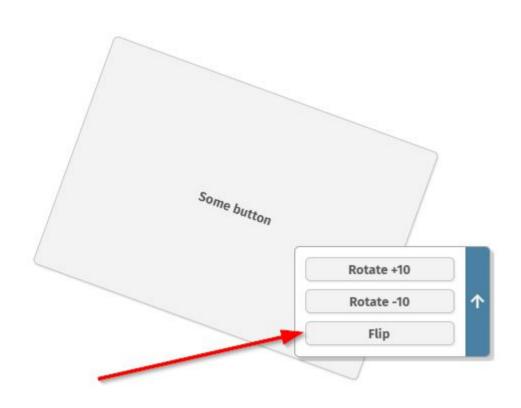
OVERLAYAREAITEM

- · OVERLAYAREA OVERLAYAREAITEM
 - x,y
 - (width),(height)
- · Fade in/ fade out on mouseover

SIZEANIMATIONAREA



MOVEABLEAREA



4 - Adaptivity is not "mobile-ony"

- Different use of dialogs
 - Full screen
 - Popup dialog
 - embedded into other dialogs
- · General "no go"
 - Horizontal scrolling

4 - Adaptivity is not "mobile-ony"

- Do not use naked SPLITPANE
 - Split pane transfers two "nicely designed dialogs" into two "ugly dialogs"

CaptainCasa

ADAPTIVEGRIDLAYOUTPANE

Change the size of this demo - either by resizing the whole browser window and/or by moving the split divider of the workplace.

Some label	Another label with long text	
Another label with long text		
Short I.	Short	
Short		
Short I.	Short	
Short l.		
Short		

5 - Grids

- · Use the header
 - sorting
 - filtering
 - searching
- · Differentiat between "searching" and "filtering"
 - Searching "fuzzy"
 - Filtering "accurate"

5 - Grids

- Timer based loading of content
 - Differentiate between "Navigation" <=> "Selection"

5 - Grids

- · "Intelligent" Hiding
 - Highlight the important data

6 - Does it always have to be a grid?

- Grids are perfect for
 - Sorting
 - Filtering
 - Searching

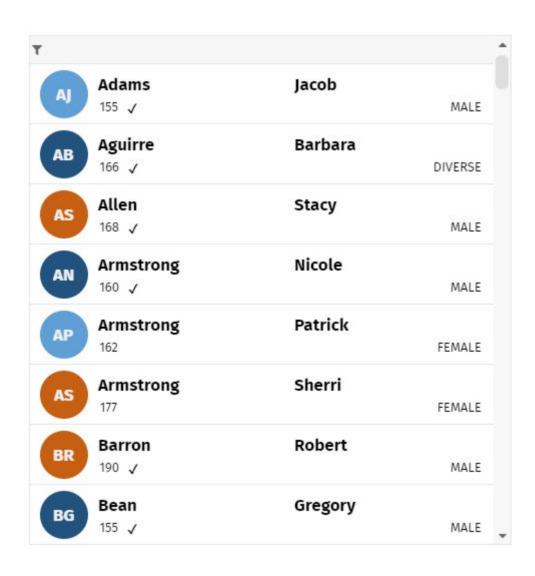
over many data items

- · Grids which only contain 3 items are ugly and consume space
 - Alternatively use
 - "One-cell"-Grids
 - "Info-Cards"
 - Other ideas of visualization ("Kanban")

Controls

- · DATAGRIDVIEW2
- · DATAGRIDVIEW2ONECELL

DATAGRIDVIEW2ONECELL



Simple Pivot - Hiding Values

					Н	ide values belo				
				0	200000 40	0000 600	000 80000	0 100000	0	
		Date			2020-04-01	2	020-04-02	2	020-04-03	
		Social status								
Country	Region	Gender	Σ infected	Σ clean	Σ infected	Σ clean	Σ infected	Σ clean	Σ infected	Σ clean
			13,575,194	40,067,774	467,489	1,359,596	436,671	1,305,210	438,106	1,379,351
Canada			2,678,457	8,080,080	85,641	263,253	80,446	289,418		284,749
France			2,731,201	8,039,094		295,143				
	Central		542,915	1,621,878						
	East		554,054	1,575,167						
	North		554,992	1,571,185						
	South		541,011	1,630,180						
	West		538,229	1,640,684	17,954					
Germany			2,728,482	7,933,061		293,609		281,756		281,665
	Central		573,924	1,637,457		54,758				
	East		515,103	1,558,940						
	North		551,406	1,565,173						
	South		555,109	1,562,654	18,294					
	West		532,940	1,608,837						
United Kingo	dom		2,751,043	8,219,026		269,485				276,257
United State	is.		2,686,011	7,796,513			96,479	264,659		310,162

7 - First page

- · It's trivial, but...
 - The logon page is the first page to "unpack" your application

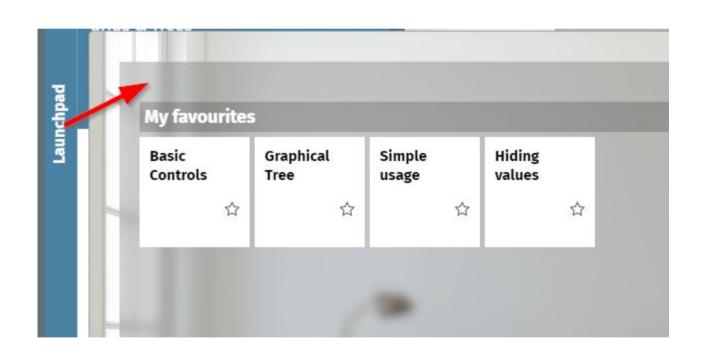


- · Use
- Start-up in two phases

8 - Workplace

- Workplace
 - central instance of control
 - framing around "boring content"
- Users do not like browser tabs
 - but like to stay within the context of the application
 - exception: working on >1 physical screens

Modal/Modeless Popup - Change of "closeOnClickOutside" at runtime



9 - Transformations

- · Scale
- · Rotate
- · Skew
- · 2D / 3D

· Well...



· "Scale" is the most use-able one

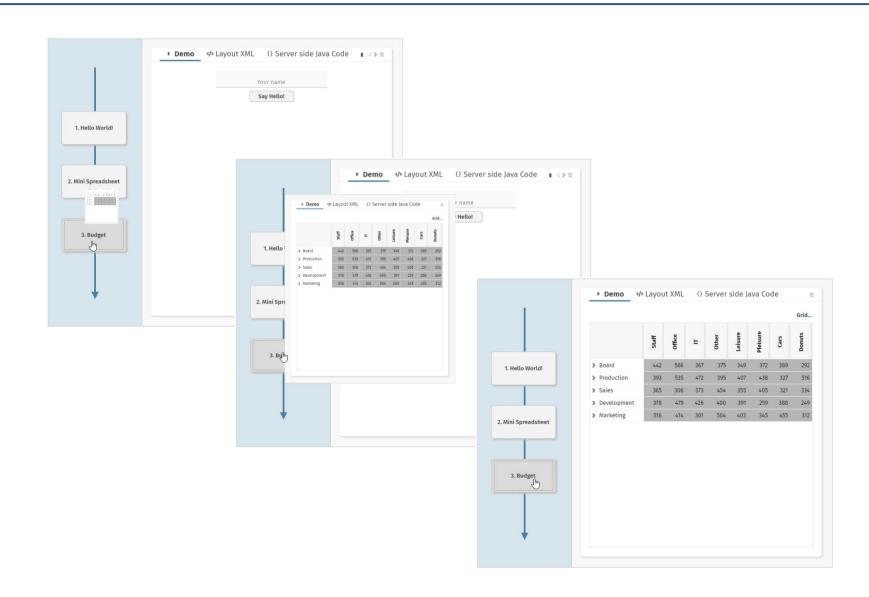
10 - Animations

- Purpose
 - Any change can/ should/ must be animated
- · Types
 - Color animations
 - Opacity
 - Shading
 - Shape animations
 - Moving
 - Rotations / ...

10 - Animations

- · "Risk"
 - Color animations
 - Are "OK" always
 - both from user acceptance
 - and from spess point of view
 - Are "sufficient" in many cases
 - Moving
 - Are "OK" always
 - Rotations / ...
 - Performance must be adequate
 - Must be consistent

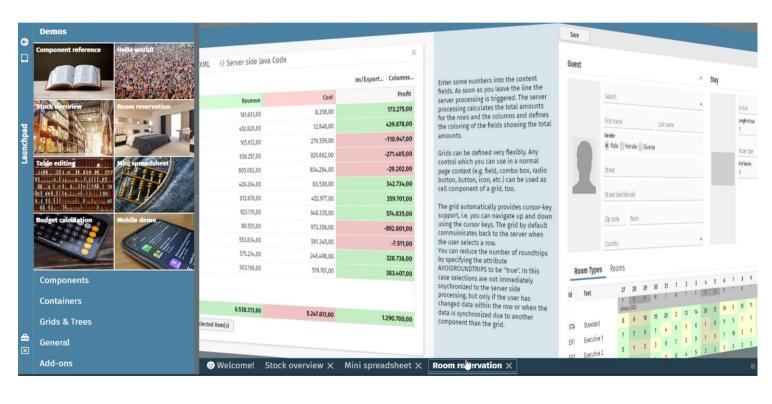
FLYINGCONTENTAREA



CUBEROTATOR



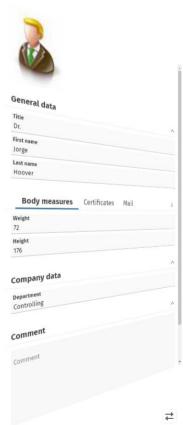
3D Rotation in Workplace



```
public Dispatcher()
{
    super();
    ...
    getWorkpageContainer().setWithCubeRotation(true);
    ...
}
```

ROTATECONTENTAREA

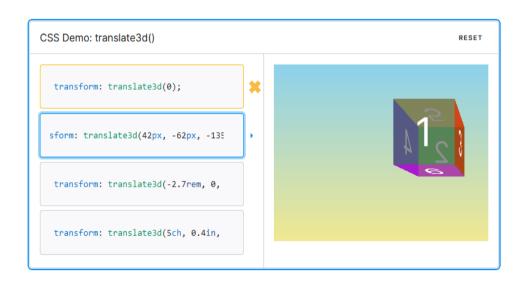
Title	First name	Last name	Department	
τ	τ	Ť	Ŧ	
Prof.	Linda	Vargas	Warehouse	
Princess	Vincent	Miller	Sales	
Prof.	Sean	Thompson	Management	
Dr.	Denise	Friedman	Quality Assurance	
Prince	Natasha	Williams	Controlling	
Prince	Brandon	Weber	Sales	
Dr.	Jorge	Hoover	Controlling	
Prince	Timothy	Kline	Quality Assurance	
Prince	Parker	Watkins	Quality Assurance	
Prince	Sherry	Baird	Management	
Princess	Melissa	Sanchez	Production	
Prof.	Sarah	Odonnell	Controlling	
Dr.	Joseph	Carr	Production	
Prof.	Shane	Mooney	Controlling	
Prince	Vickie	Mckenzie	Controlling	
Princess	Devin	Gonzalez	Quality Assurance	
Dr.	Miranda	Perez	Quality Assurance	
Dr.	Gilbert	Hendrix	Warehouse	
Prof.	Scott	Salas	Controlling	
Dr.	Paul	Rodriguez	Controlling	
Dr.	Tiffany	Brown	Controlling	
Prince	Charles	Thompson	Management	
Prof.	Ruth	Jimenez	Controlling	
Prof.	Gary	Wilson	Production	
Dr.	Samuel	Howard	Sales	
Prof.	Ryan	Reeves DDS	Sales	
Princess	James	Hendrix	Production	



Some technology issues

Technical complexity of animations

· In principal... - simple!



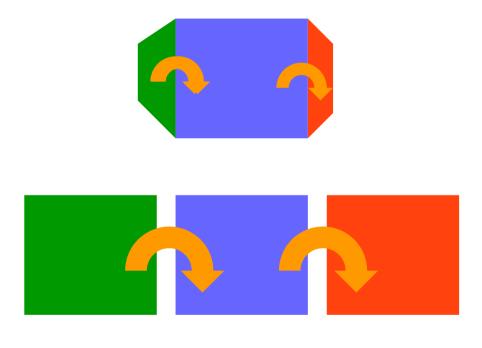
This transformation is characterized by a three-dimensional vector. Its coordinates define how much the element moves in each direction.

Syntax

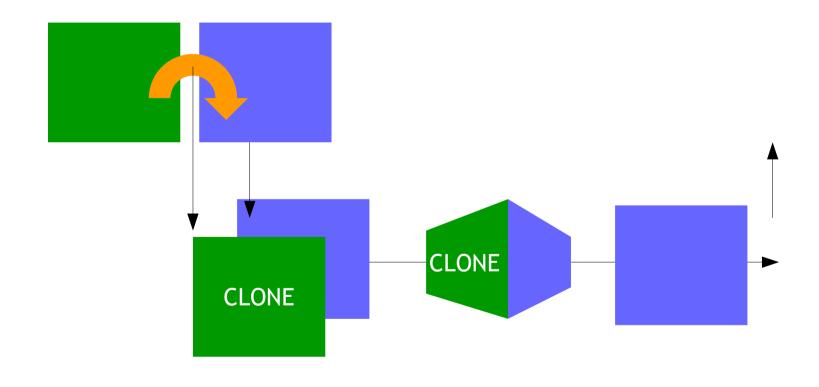
translate3d(tx, ty, tz)

Technical complexity of animations

- · But: this is not the way applications are built
 - One area in focus only!



Technical complexity of animations



CaptainCasa

Components

· PANE CAPTUREANIMATOR

CUBEROTATOR

Instead of summary

Believe it - or not

- · Do not believe
 - Business application users don't want nice dialogs
 - Animations disturb users!
 - Functional is enough!
- · Believe
 - Application developers certainly have problems jumping over their own shadow! ;-)
 - "Don't behave shy!"