



# Human and Computer Interface Design

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## Week 6

Chapter 4 Analyze user interface design examples that have been implemented with human-computer interaction



# Topic

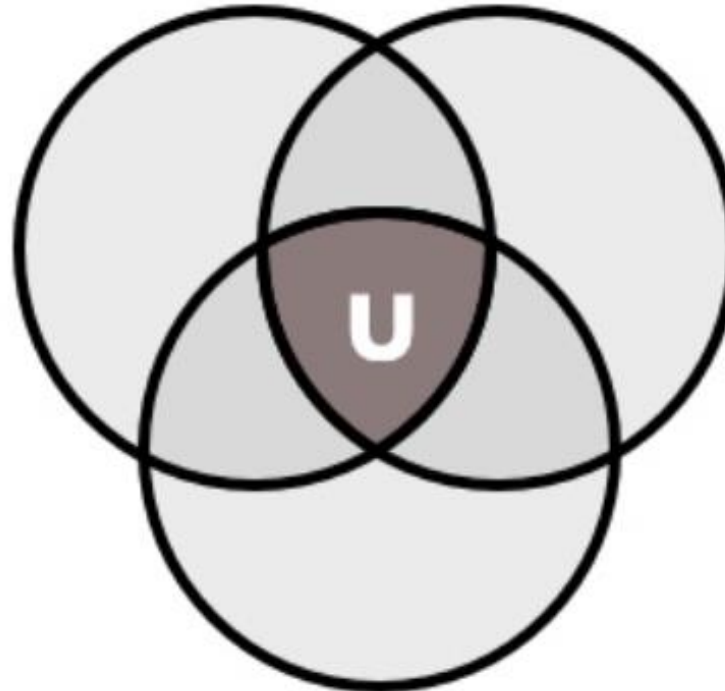
**Study Analyze user interface design examples  
that have been implemented with human-  
computer interaction**



# Example User Interface

**Effectiveness**  
Doing the right things

**Efficiency**  
Doing things right.



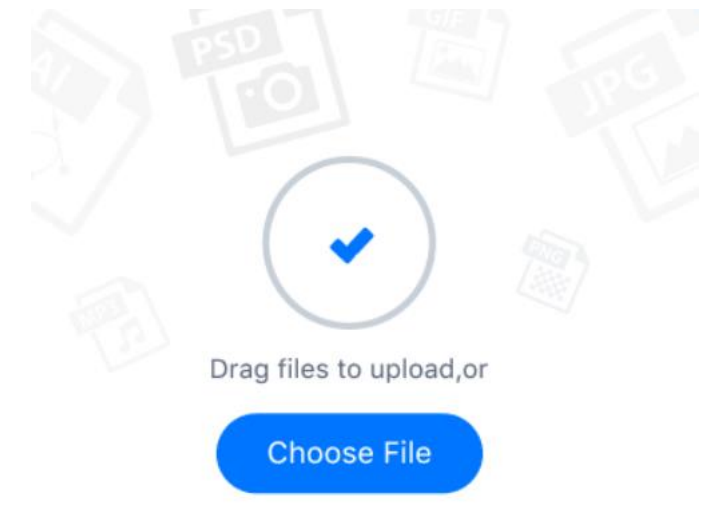
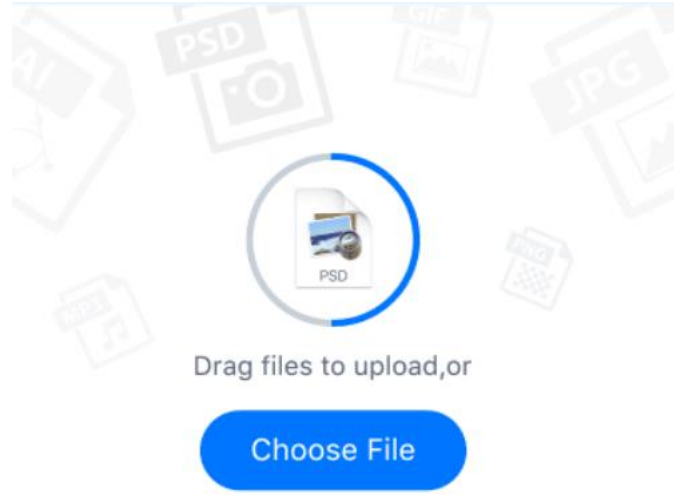
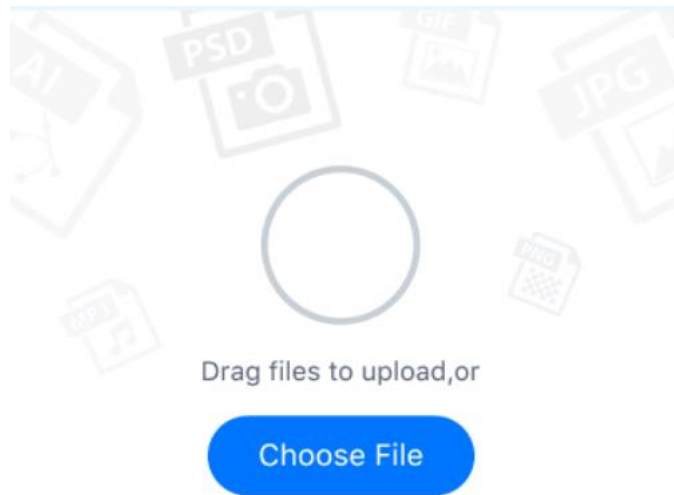
**U = Usability**

**Satisfaction**

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



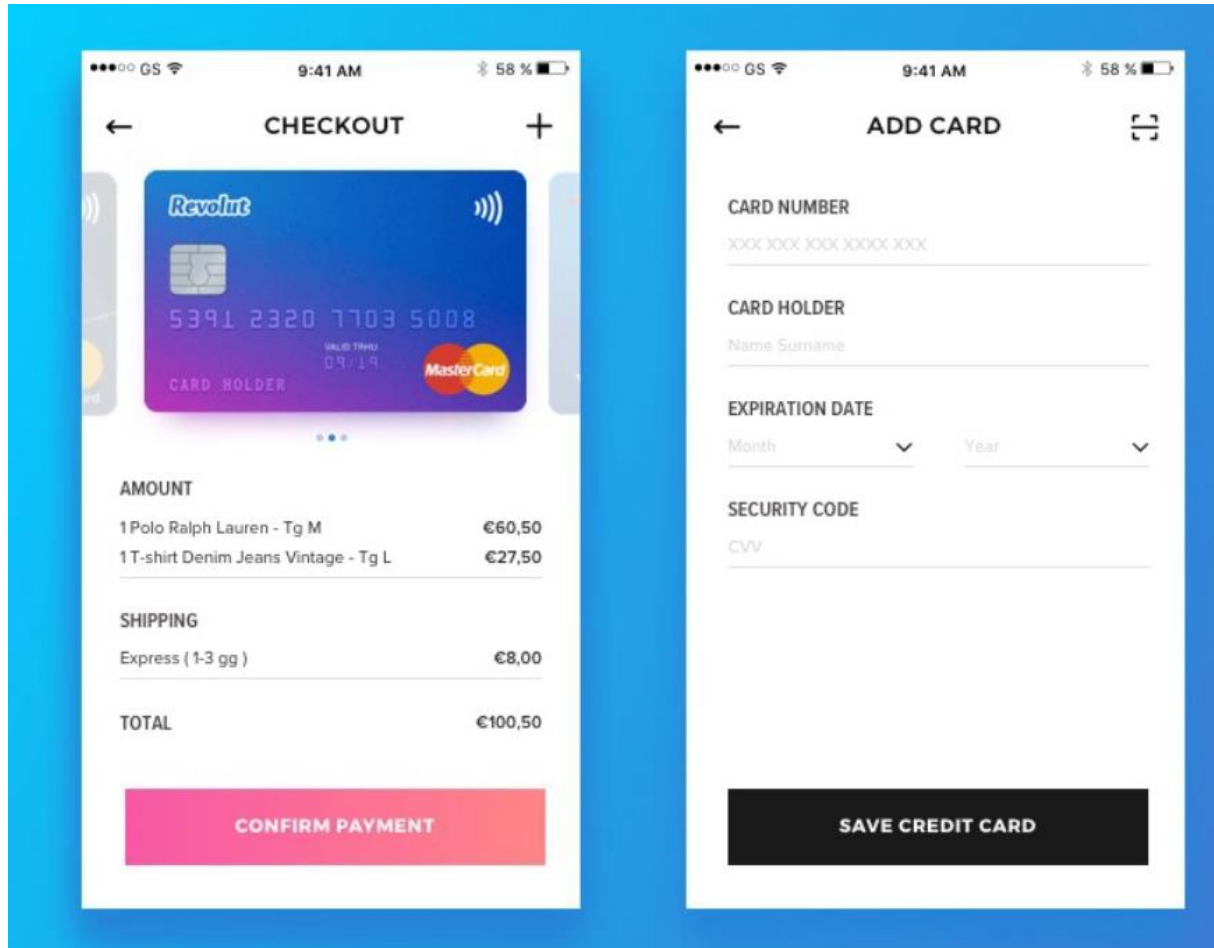
# Example User Interface = Visibility of system status



Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Match between system and the real world



BEFORE

~~Failure  
An authentication error has occurred~~

~~OK~~

AFTER

Sign-in error  
You entered an incorrect password

OK

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = User control and freedom

Group 1

	123456 Mike Love		Distance 5 mi	Capacity --	Fee \$400	Office (412) 555 1234	
	123456 Brian Wilson		Distance 5 mi	Capacity --	Fee \$400	Mobile (412) 555 1234	
	123456 Al Jardine		Distance 5 mi	Capacity --	Fee \$400	Office (412) 555 1234	
	123456 Dennis Wilson		Distance 5 mi	Capacity --	Fee \$400	Mobile (412) 555 1234	

Group 2

Group 3

Assignment History

Staged Changes Unstage All

package.json

Commit message

Commit to test 72

My la Amend 7m

asdfa Split Up 2M

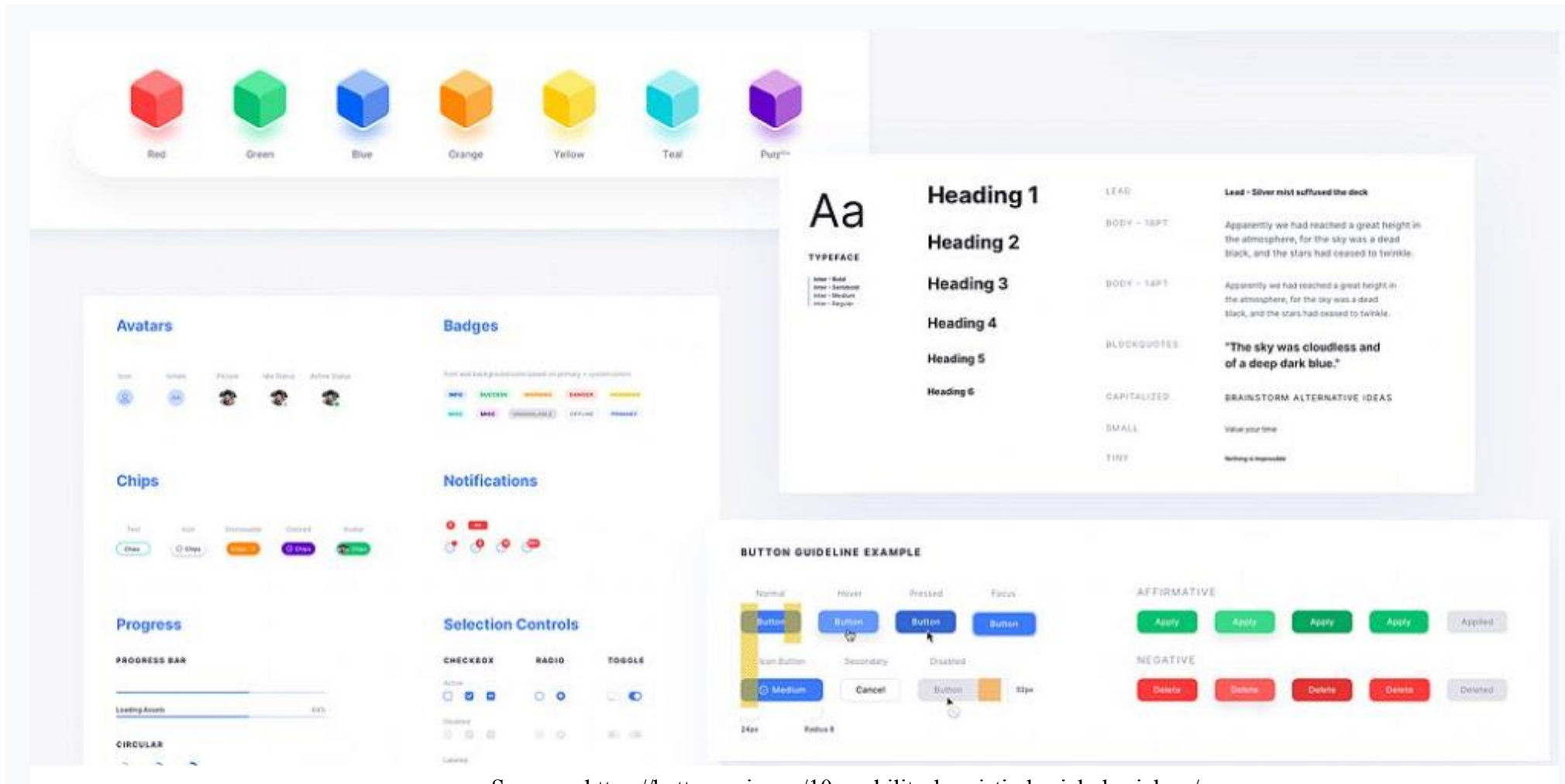
Edit Split Down 2M

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>





# Example User Interface = Consistency and standards



Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Consistency and standards

The screenshot shows the RsysConfig software interface. On the left is a dark sidebar with a navigation menu. The main content area is titled 'New Hose Spec // Pipes' and contains a table of pipe materials. The table has a header 'Name // Instances' and lists the following items:

Name	Instances
Steel	179 instances
Albrass	58 instances
Copper	64 instances
Stain	10 instances
PVC Pipe	8 instances

At the top of the main area, there are navigation breadcrumbs: '< BACK // RsysConfig // Piping Specs // New Hose Spec // Pipes'. Below the breadcrumbs are buttons for 'Manage Pipes', 'Manage Fittings', and 'Save Changes'. The 'Save Changes' button is highlighted in blue.

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Error prevention

**Sign Up Form**

Email Address  
hello@dhd.com

Password:  
[Redacted]

- ✓ Must be atleast 8 characters!
- ✗ Must contain atleast 1 number!
- ✗ Must contain atleast 1 in Capital Case!
- ✓ Must contain atleast 1 Letter in Small Case!
- ✓ Must contain atleast 1 Special Character!

Confirm Password:  
[Redacted]

Password do not match

**Sign up**

## Seblod Tuts by AUTeddy

Home **Article Manager**

**Article Manager**

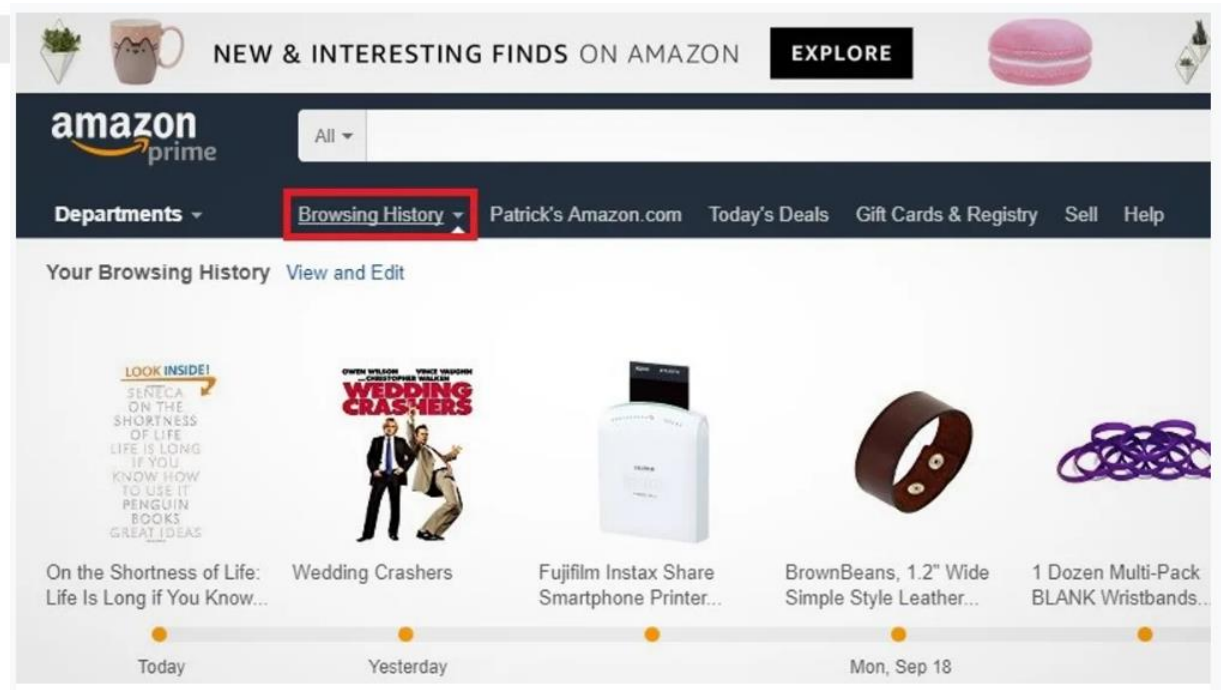
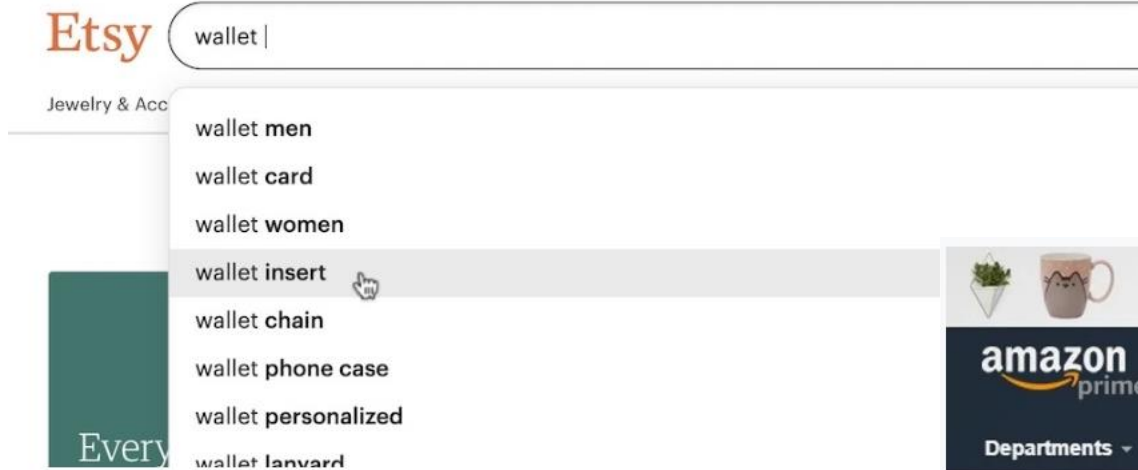
**Are you sure?**  
You won't be able to revert this!

**Yes, delete it!** **Cancel**

<input type="checkbox"/>	<b>Article -</b>								
<input type="checkbox"/>	Article 1	Category: Uncategorized							
<input type="checkbox"/>	Article 2	Category: Uncategorized							
<input type="checkbox"/>	Article 3	Category: Uncategorized	2016-06-04	✓					
<input type="checkbox"/>	Article 4	Category: Uncategorized	2016-06-04	✓					

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>

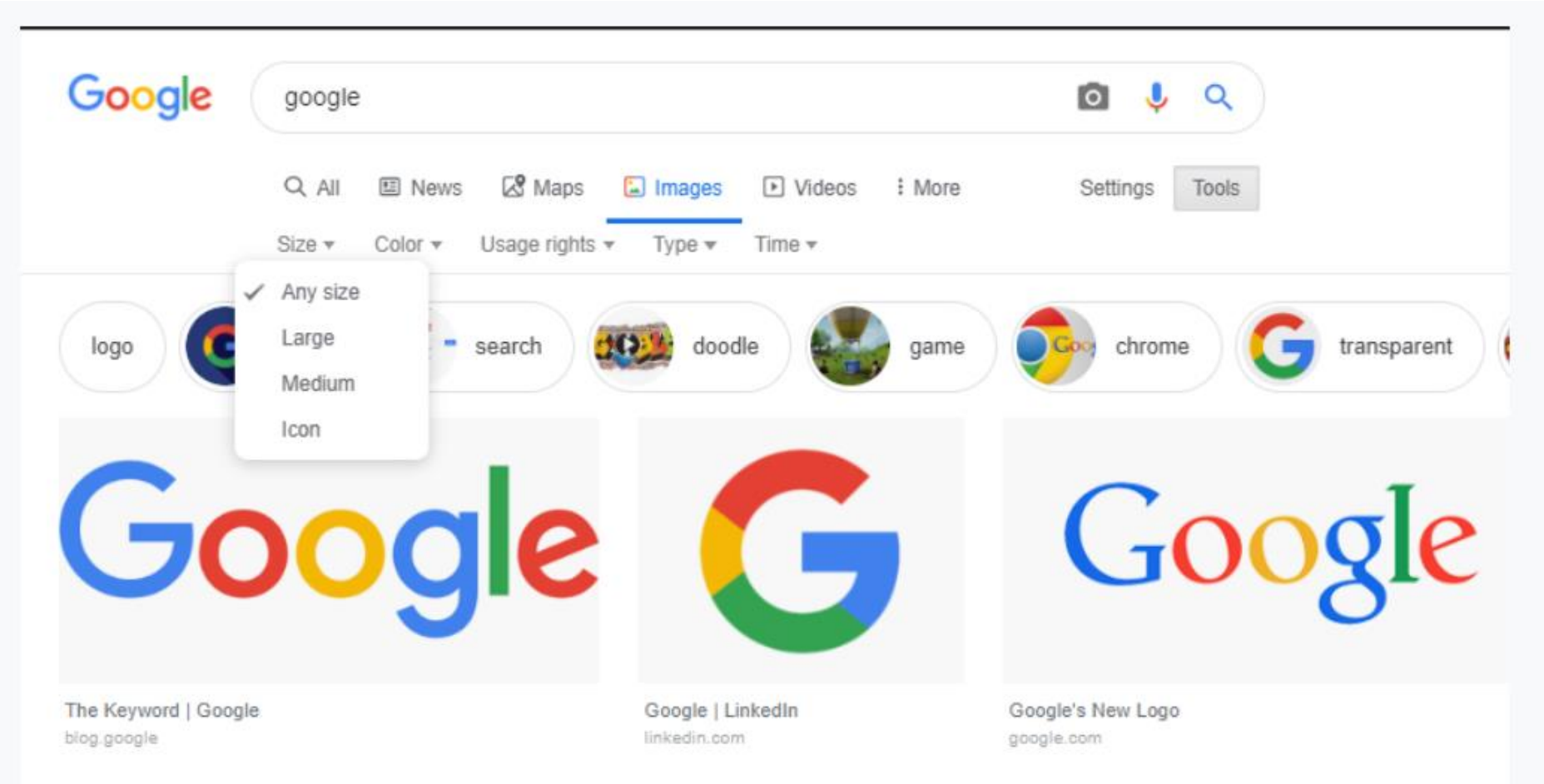
# Example User Interface = Recognition rather than recall



Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Flexibility and efficiency of use



Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Flexibility and efficiency of use

## Ps Photoshop Keyboard Shortcuts

By [PhotoTrainingChannel.com](http://PhotoTrainingChannel.com)



\* Hold Command (PC: Ctrl) and key to use shortcut.  
\* F1: Windows: Opens Help page in browser. Mac: Undo/Redo  
\*\* Mac Keyboard pictured above, however shortcuts will work on Windows as well.



Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>

# Example User Interface = Aesthetic and minimalist design



Too much text!

The screenshot shows a website for luxury cruises with a cluttered layout. At the top, there are several small images and a blue banner with white text: "Luxury Cruises – Our luxury cruise experts create memorable luxury cruise experiences for sophisticated world cruise enthusiasts...". Below this, there are sections for "LUXURY CRUISE DEALS" with buttons for "Cruise Search" and "Price Request", and a phone number "1.800.265.3838". To the right, there is a section for "LUXURY CRUISES Weekly Email..." with a call to action to "Book Your Luxury Cruises through a Luxury Expert Travel Agency, call: 1.800.265.3838". The main content area is divided into several columns. The left column lists various cruise lines and services, including "Luxury Cruises 6 STAR LUXURY CRUISES", "Crystal Cruises", "Cunard Line Cruises", "Oceania Cruises", "Regent Seven Seas", "Seabourn Cruise Line", "SeaDream Yacht Club", "Silversea Cruises", "2008 World Cruises", "Bridge Cruises", "2007 Holiday Cruises", "Luxury Cruise Reviews", "World Ports-of-Call", and "Top 10 Reasons to Cruise Luxury Cruises". The middle column features a section titled "Award-Winning Luxury Cruise Experts See the world differently..." with a paragraph of text, a "Picture of the day" section, and a "Private Member Login" section. The right column has a "LUXURY CRUISES Map of World" section with a list of destinations: "Antarctica | Alaska", "Africa | Asia", "Australia", "New Zealand", "Caribbean", "Middle East", "Mediterranean", "Mexican Riviera", "New England", "Canada", "Northern Europe", "Panama Canal", "South America", "South Pacific", and "Trans-Ocean Crossing". At the bottom, there are three blue banners: "Crystal Cruises #1 Agency - Again!", "Luxury Cruises & Luxury World Cruises Insiders", and "Condé Nast Recommended 'Top Luxury Cruise Agents...'"

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Help users recognize, diagnose, and recover from errors

## Join Twitter today.

Full name

Marcin Treder

✓ Name looks great.

Email address

marcin@uxpin.com

✗ This email is already registered. Want to login or recover your password?

Create a password

6 characters or more! Be tricky.

Choose your username

Don't worry, you can change it later.

Suggestions: [MTreder](#) · [TrederMarcin](#) · [TrederMarcin](#)

Keep me signed-in on this computer.

By clicking the button, you agree to the terms below:

These Terms of Service ("Terms") govern your access to and use of the services, including our various websites, SMS, APIs, email notifications,

Printable versions:  
[Terms of Service](#) · [Privacy Policy](#)

Create my account

Note: Others will be able to find you by name, username or email. Your email will not be shown publicly. You can change your privacy settings at any time.



## No internet

Try:

- Checking the network cables, modem, and router
- Reconnecting to Wi-Fi
- [Running Windows Network Diagnostics](#)

DNS\_PROBE\_FINISHED\_NO\_INTERNET

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



# Example User Interface = Help and documentation



**OLA** [Download the app](#) [Login](#)

## How can we help you?

Search: e.g. fare information, car types

Support for your bookings and other related issues [LOGIN](#)

- Payments** >
- My Account** >
- Using Olacabs** >
- Ola App** >

### Payments

- Update payment information
- Settle an outstanding balance
- About authorization holds
- [>>More](#)

### My Account

- Change your E mail ID
- Reset your Password
- Become a Select member
- [>>More](#)

### Ola App

- Terms and conditions
- SOS and Emergency contacts
- Update your app
- [>>More](#)

### Using Ola Cabs

- How to book Rentals
- Rate card for Outstation
- Booking Prime Play
- [>>More](#)

### Need additional help?

[CALL US 080 3355 3355](#) [WRITE TO US](#)

Source : <https://betteruxui.com/10-usability-heuristic-by-jakob-nielsen/>



## Activity

Study Analyze user interface design examples that have been implemented with human-computer interaction



# Reference

Jakob Nielsen. Checklist Usability Heuristic. BetterUXUI. March 24, 2020

