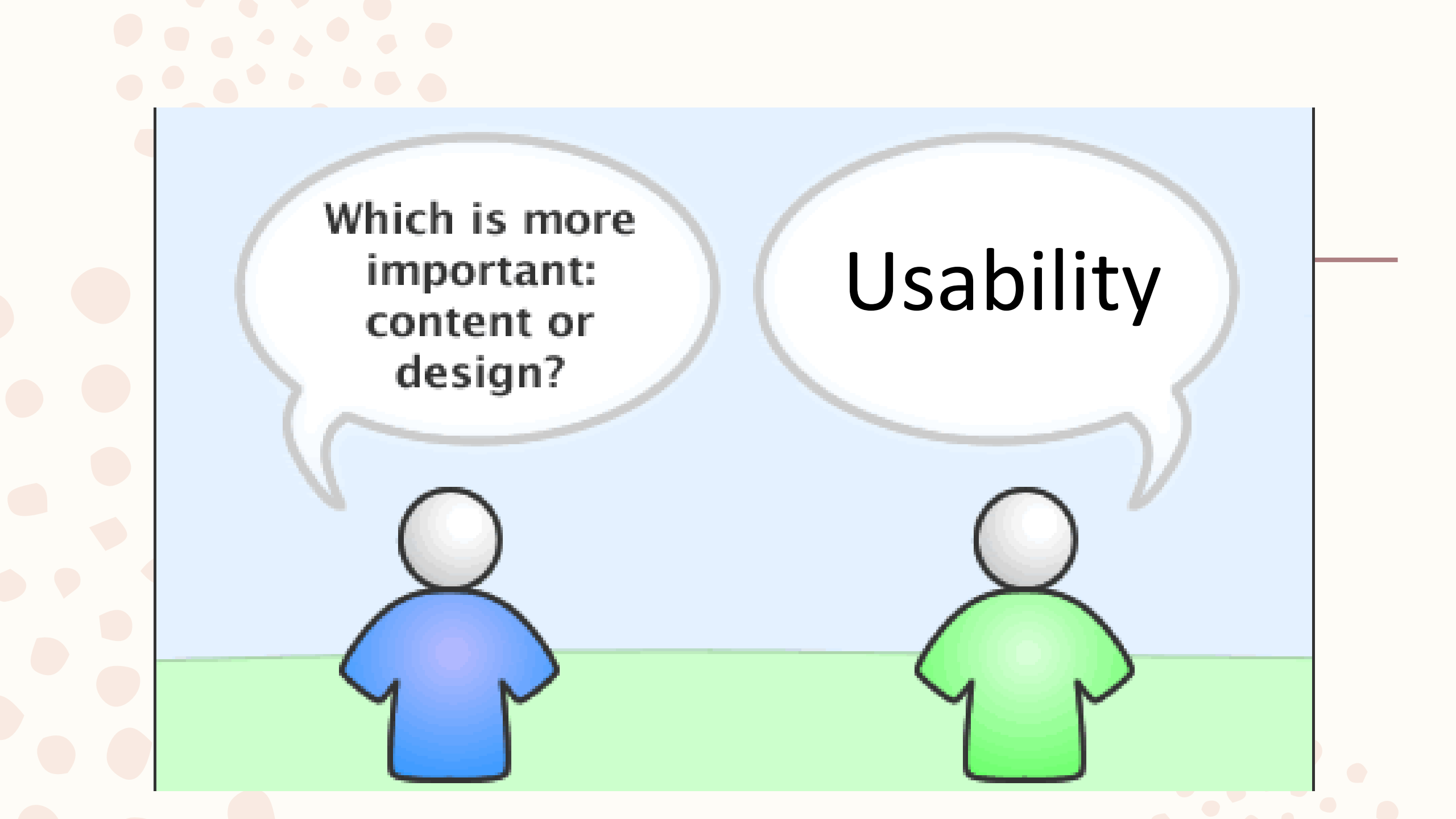


Welcome to interface design session





Which is more
important:
content or
design?

Usability

What is usability?

When we say a software or website is usable, it means that it is easy to use.

- Usability main elements:
 - Effectiveness: If the design fits to its purpose.
 - Efficiency: Amount of effort or time required to use.
 - Satisfaction: How pleasant it is to use the design.



How to create an interface with a good usability?

For creating a user friendly interface we should:

1. Match between system and the real world and the users' mental model.
2. Consider consistency and standards
3. Prevent users' errors
4. Consider visibility of system components
5. Consider visibility of system status
6. Consider flexibility of system features
7. Consider beauty and minimalist design
8. Help users recognize, diagnose, and recover from errors
9. Create help and documentation
10. Create an appropriate structure (layout)
11. Use constraints
12. Provide feedback
13. Apply Affordances
14. Reuse familiar elements
15. Consider User Experience



Match between system and the real world

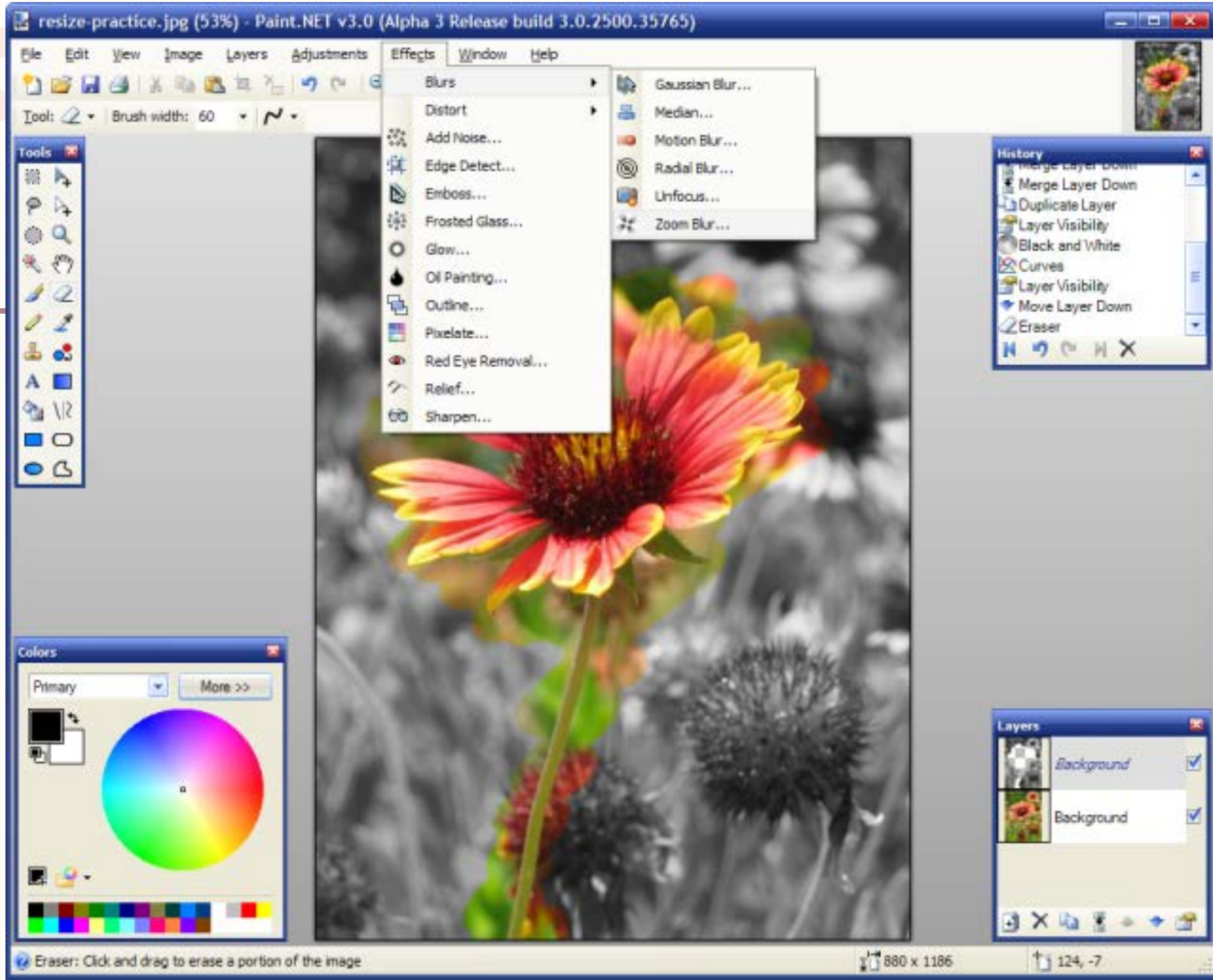
The system should speak the user's language, with pictures, and concepts familiar to the user, rather than system-oriented terms. Follow real-world conventions, making information appear in a natural and logical order (users' mental model).



Match
between
system and
the real world



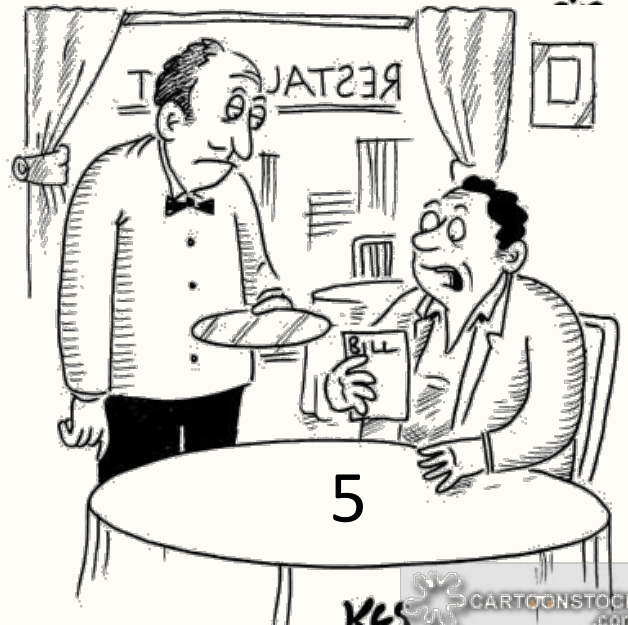
Match
between
system and
the real world



Match between system and the real world



Adapt the software to the users' mental model



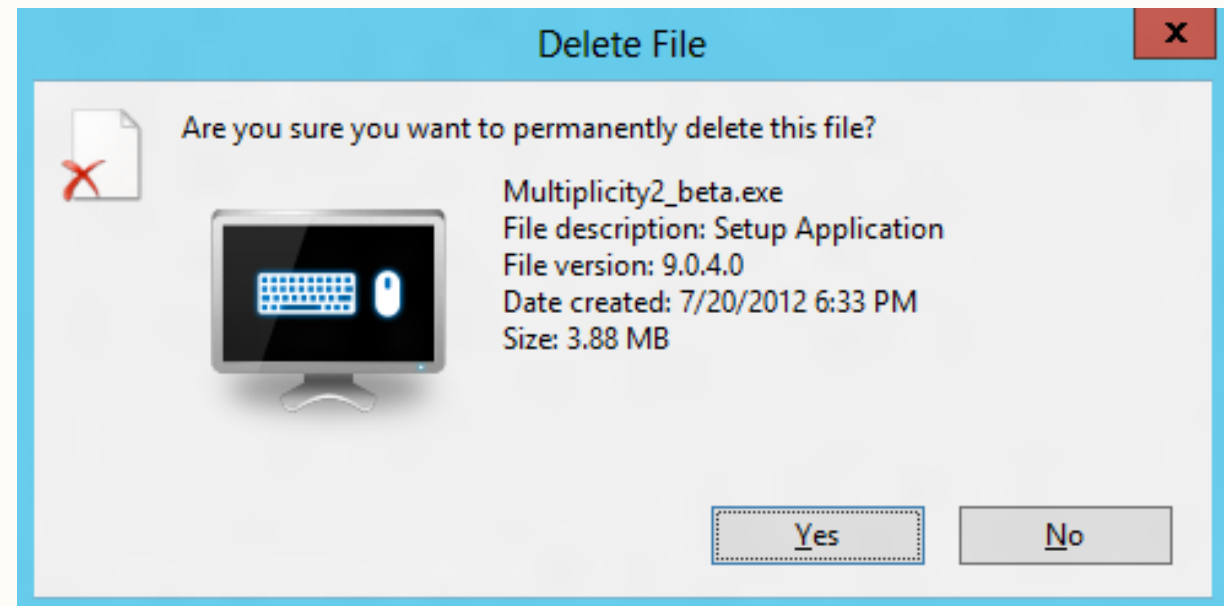
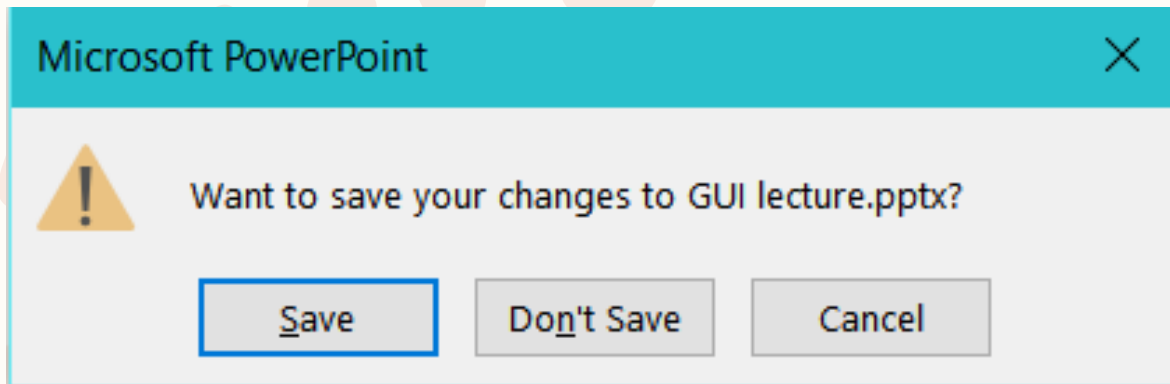
Consistency and standards

All the similar words, situations, or actions should have the same style and meaning.



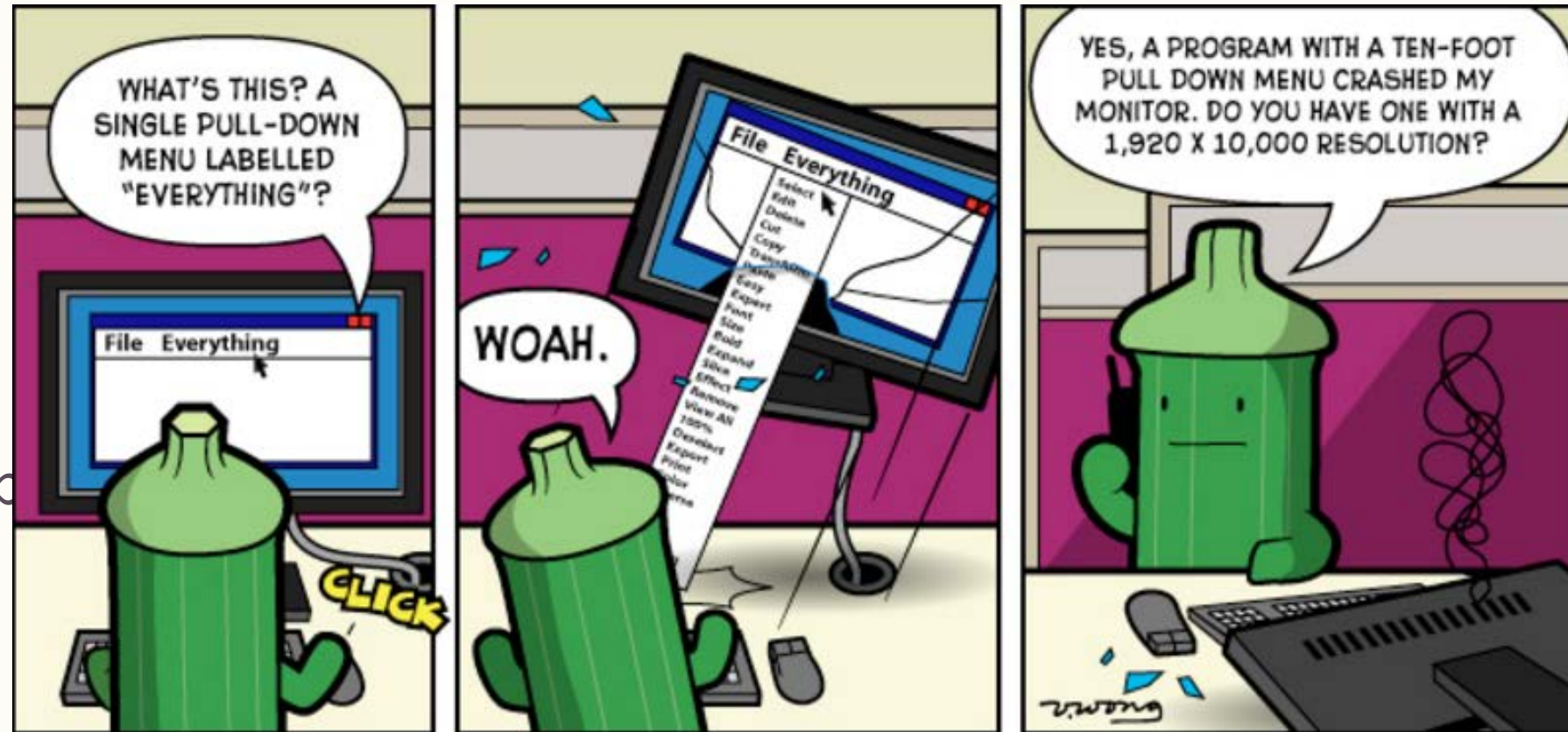
Error prevention

We should try to prevent errors. For example providing users with a confirmation option before they commit to the action.



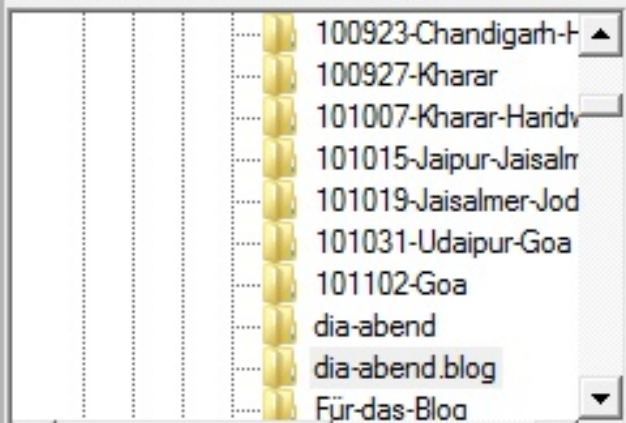
Structure and layout

Design should organize the user interface purposefully, in meaningful and useful ways by putting related elements together and by eliminating unrelated things.



Bulk Rename Utility

File Actions Options Help



Name	New Name	Sub...	Type	Size	Created	Mo
01-delhi-erstes-photo.JPG	01-delhi-erstes-photo.JPG		JPG F...	2 MB	21.11...	11.
02-delhi-imbau.JPG	02-delhi-imbau.JPG		JPG F...	3 MB	21.11...	11.
03-delhi-eis.JPG	03-delhi-eis.JPG		JPG F...	2 MB	21.11...	11.
04-delhi-ventilator.JPG	04-delhi-ventilator.JPG		JPG F...	3 MB	21.11...	11.
05-delhi-northem-palace-fe...	05-delhi-northem-palace-fens...		JPG F...	3 MB	21.11...	11.
06-delhi-northem-palace-ve...	06-delhi-northem-palace-versi...		JPG F...	3 MB	21.11...	11.
07-delhi-humuyans-tomb.JPG	07-delhi-humuyans-tomb.JPG		JPG F...	2 MB	21.11...	12.
08-delhi-eichhoemchen.JPG	08-delhi-eichhoemchen.JPG		JPG F...	2 MB	21.11...	12.

RegEx (1) R Match Replace Include Ext.

Repl. (3) R Replace With Match Case

Remove (5) R First n Last n From to Chars Words Crop Digits High Trim D/S Accents Chars Sym. Lead Dots

Add (7) R Prefix Insert at pos. Suffix Word Space

Auto Date (8) R Mode Type Fmt Sep. Seg. Custom Cent. Off.

Numbering (10) R Mode at Start Incr. Pad Sep. Break Folder Type Roman Numerals

Move/Copy (6) R None None Sep.

Append Folder Name (9) R Name Sep. Levels

Extension (11) R Same

Selections (12) Filter Folders Hidden Match Case Files Subfolders Name Len Min Max Path Len Min Max

New Location (13) Path Copy not Move

** Working on multiple computers? Synchronize your files across computers with **ViceVersa PRO**. [Click Here To Find Out More ...](#)

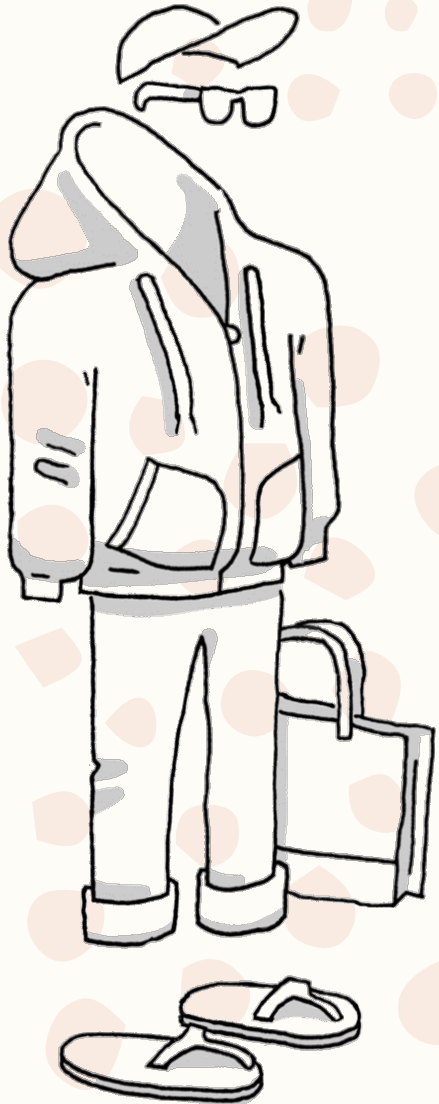
187 Objects (0 Selected)

Favourite

D:\bilder\2010-Max-Indien\dia-abend.blog

Visibility

The interface elements should be seen able by users easily.





Search this website

- Home
- About Us
- Future Students
- Current Students
- Research
- Alumni & Supporters
- Newsroom
- Events
- For Staff

Open Day 2016
 Saturday 3 September
 Register now

COME AND
 CHANGE
 THE WORLD

Travelling overseas? Get immunised to prevent measles outbreaks in Australia

Unimmunised travellers visiting family and friends overseas remain the biggest source of measles...

Better mental health care needed for congenital heart disease patients

Experts are calling for national mental health care standards to help address the significant...

[more news articles ...](#)



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Watch

On Demand

Search videos, people, and more

Upload

Promoted

What it Takes to Capture the Wind: Movement

from Atlantic Re:think

Get a feel for the work behind wind power — in just 48 seconds.

▶ Watch now



Visibility of system status

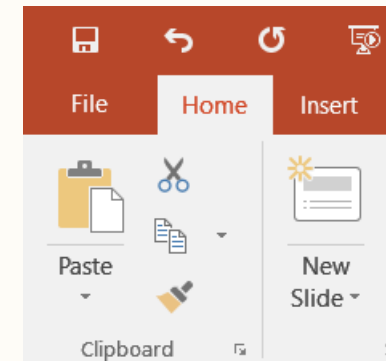
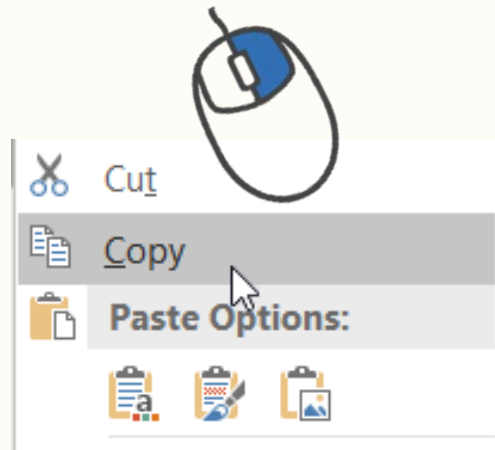
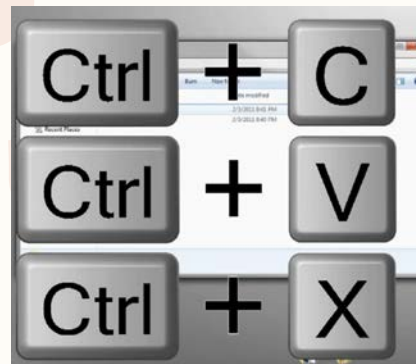
The system should always keep users informed about what is going on, through appropriate feedback within reasonable time.

The image displays four distinct user interface elements that provide system status feedback:

- File Upload:** A button labeled "Upload the file" followed by "or Cancel". Below it is a progress bar with a blue and white striped pattern.
- Notification:** A green-bordered box containing a green checkmark icon and the text "Your password has been emailed." Below this box is the text "Theresa Neil sign in".
- Progress Bar:** A horizontal progress bar with a green segment on the left. Below it, the text reads: "Done: 36,72 %", "Elapsed: 00:00:04", and "Remaining: 00:00:06".
- picnik Loading:** The "picnik" logo is on the left. To its right is a progress bar with a green segment. Below the bar is the text "Fluffing clouds....".
- Password Input:** A text input field labeled "Type new password:" containing masked characters. Below it is the text "Six-characters minimum; case sensitive". Below that is a "Password strength:" indicator with a green bar and the word "Strong".

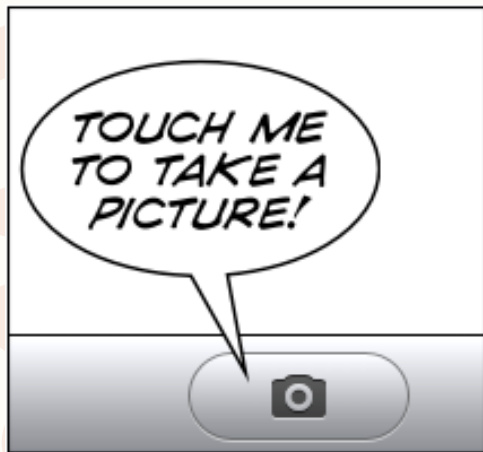
Flexibility

It is about having different ways for doing a same task.



Minimalist design

We should try to use the simplest form of graphic & design to keep users' concentration on the main purpose of the system.



Minimalist design

For example for Instagram icon, it is not necessary to use a full camera picture to show the concept of a photo website. Just one rectangle and two circles can convey the same concept.

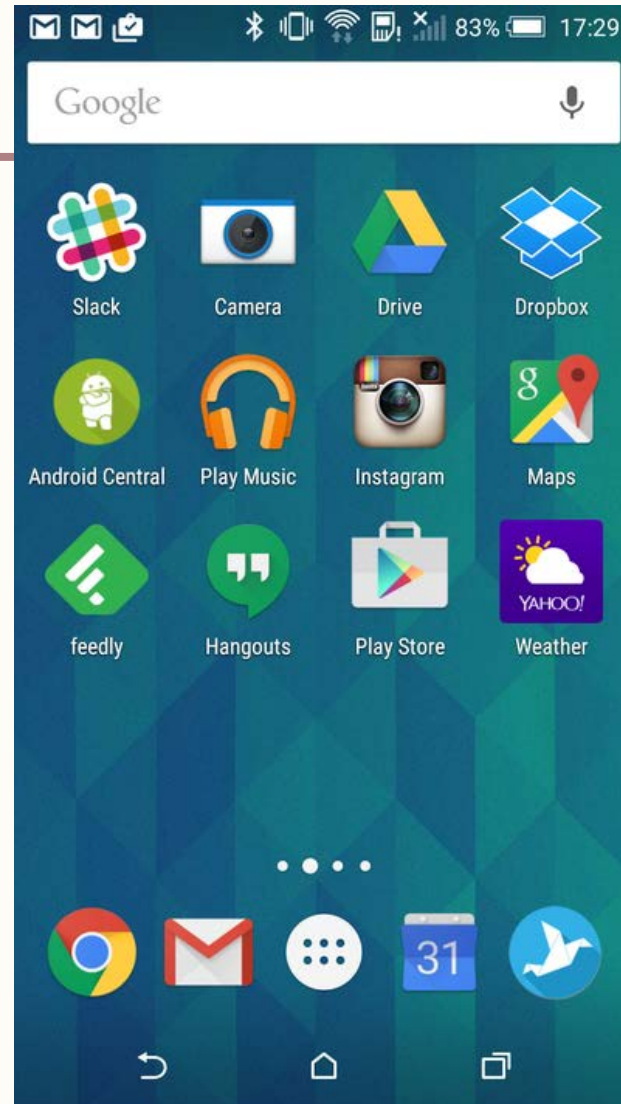


Which one has the most minimalist design?

Windows phone

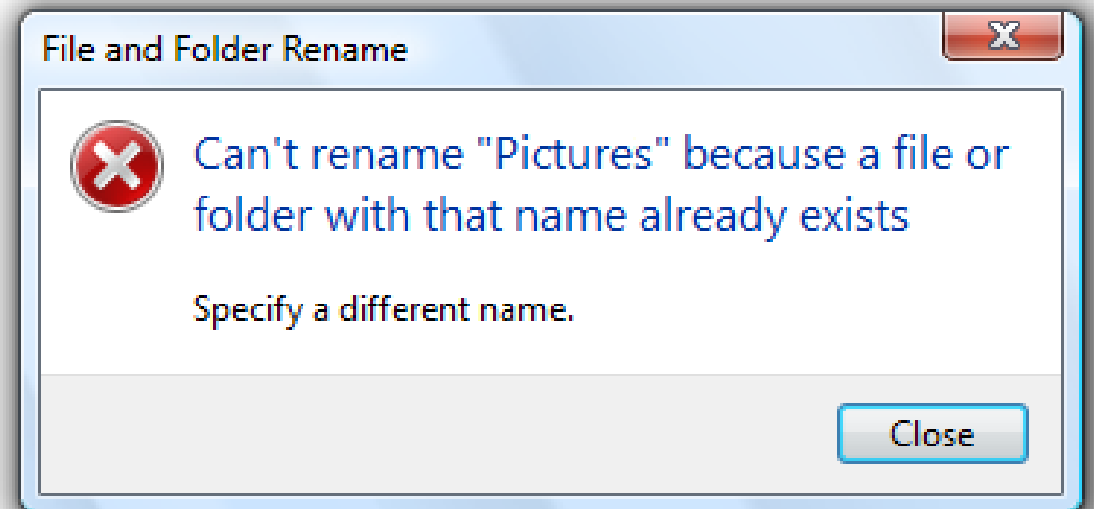
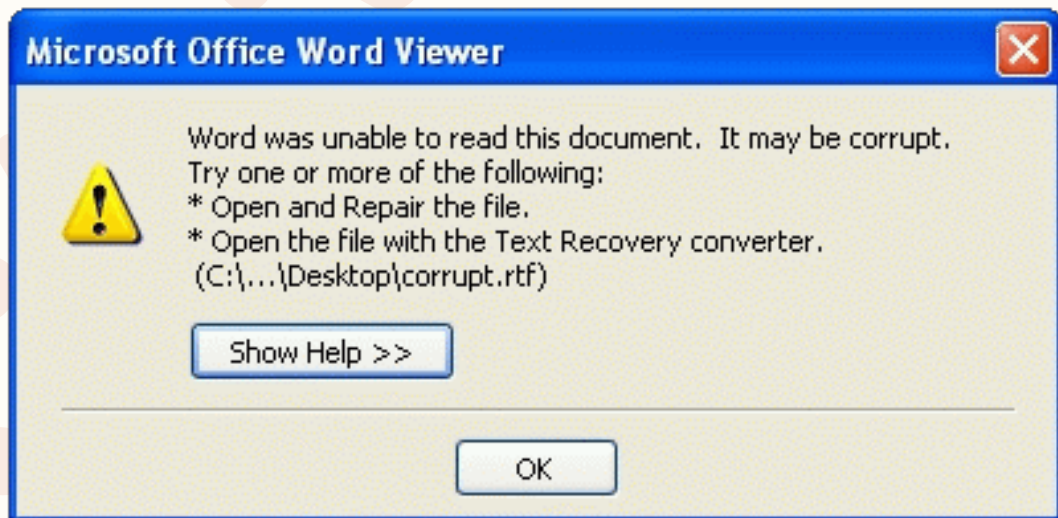
Android

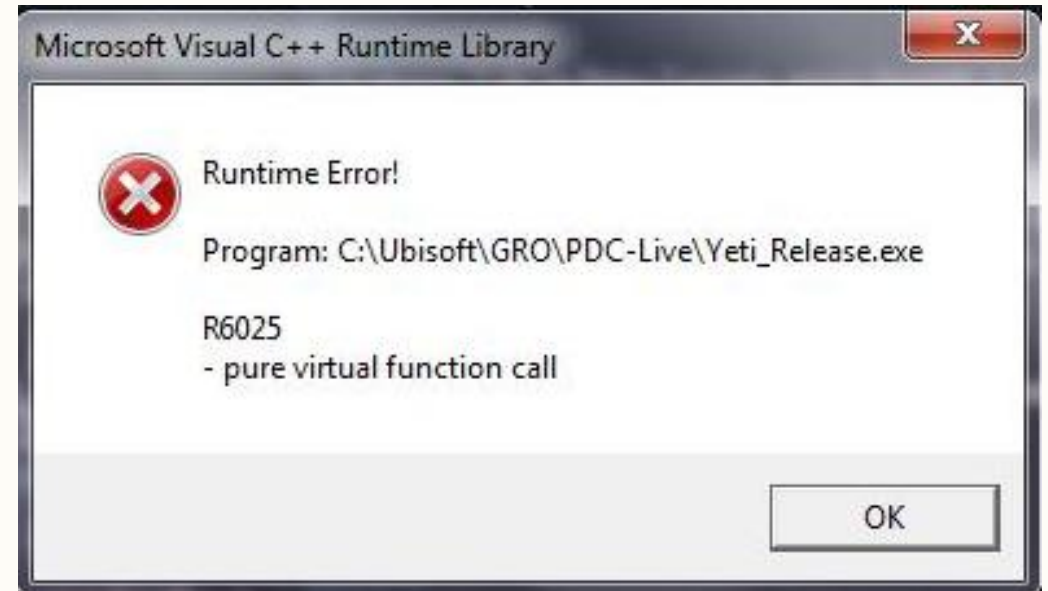
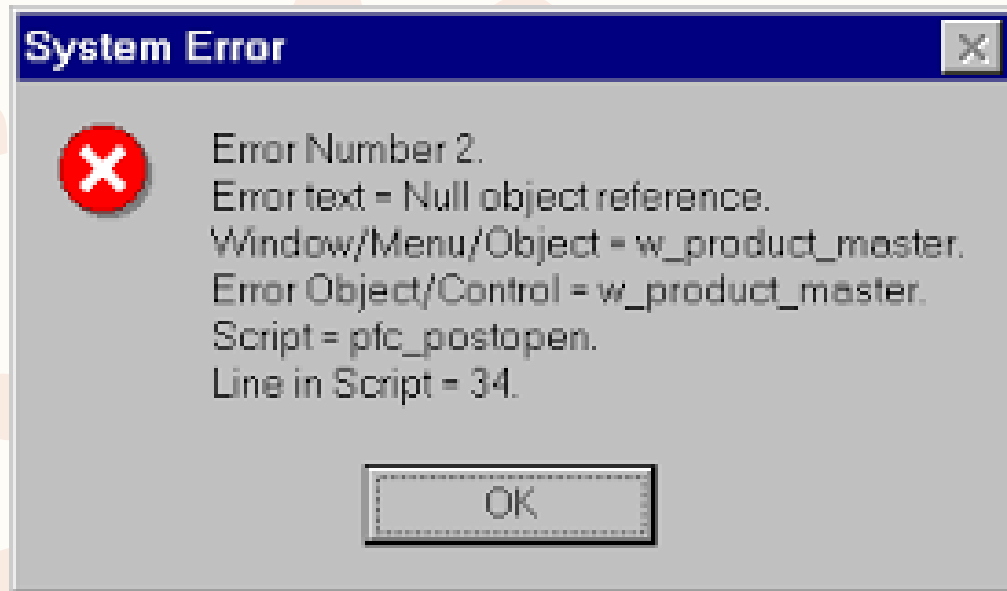
iOS



Help users recognize, diagnose, and recover from errors

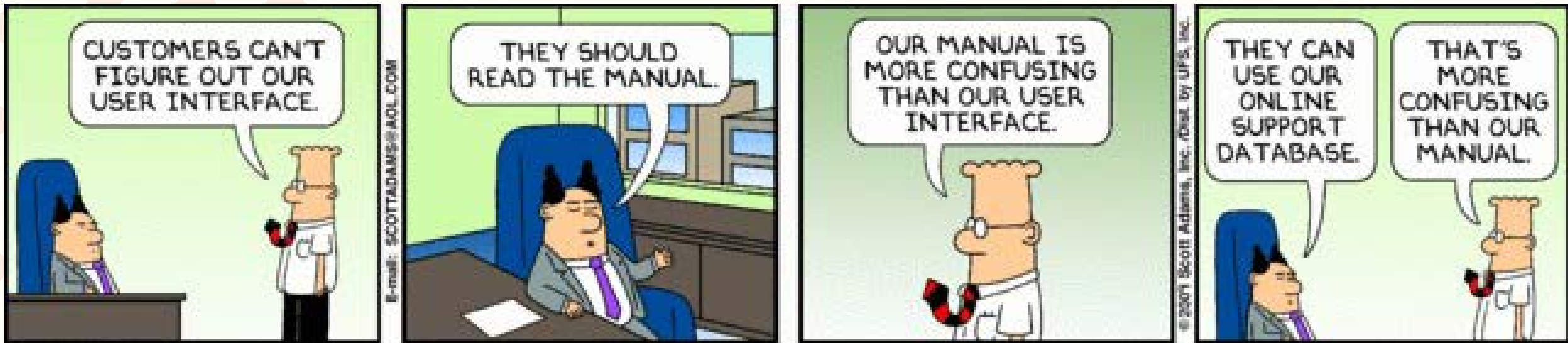
Error messages should be expressed in plain language (no codes), precisely indicate the problem, and constructively suggest a solution.





Help and documentation

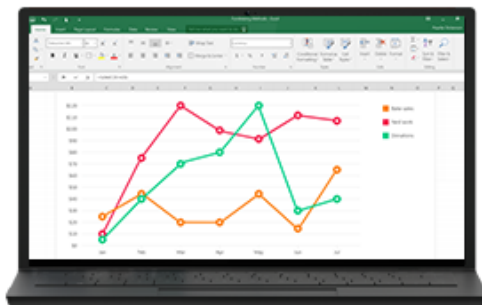
It is better if the system can be used without documentation, however, it may be necessary to provide help and documentation. Any such information should be easy to search, focused on the user's task, list concrete steps to be carried out, and not be too large.





Excel help

Create your first workbook using Excel 2016

[See more tutorials](#)

- Explore Excel 2016
- Find commands quickly with Tell Me
- Create a workbook using a template
- Create a basic chart
- Save a workbook to the cloud

[Go to tutorial](#)

Topics by category

[> What's new in Excel 2016](#)[> Videos from Microsoft Data Insights Summit 2016](#)[> Get started](#)[> Troubleshoot problems](#)



Filter data in an Excel table

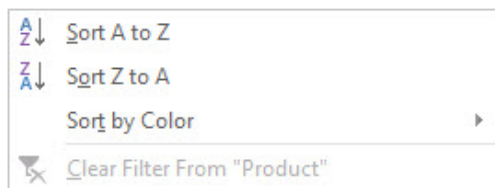
Applies To: Excel 2016, Excel 2013

When you put your data in a table, filtering controls are added to the table headers automatically.

	A	B	C	D	E	F	G
1	Product	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Grand Total	Average Sales
2	Chocolade	\$ 744.80	\$ 162.56	\$ 68.85	\$ 306.00	\$ 1,282.01	\$ 320.50
3	Gumbar Gummibarchen	\$ 5,079.60	\$ 1,249.20	\$ 2,061.17	\$ 2,835.68	\$ 11,225.65	\$ 2,806.41
4	Maxilaku	\$ 1,605.60	\$ 620.00	\$ 835.00	\$ -	\$ 3,060.60	\$ 765.15
5	NuNuCa Nuß-Nougat-Crème	\$ 193.20	\$ 865.20		\$ 493.50	\$ 1,551.90	\$ 517.30
6	Pavlova	\$ 1,685.36	\$ 2,646.08	\$ 1,849.70	\$ 999.01	\$ 7,180.15	\$ 1,795.04
7	Schoggi Chocolate	\$ 1,755.00	\$ 5,268.00	\$ 2,195.00	\$ 1,756.00	\$ 10,974.00	\$ 2,743.50
8	Scottish Longbreads	\$ 1,267.50	\$ 1,062.50	\$ 492.50	\$ 1,935.00	\$ 4,757.50	\$ 1,189.38
9	Sir Rodney's Marmalade		\$ 4,252.50	\$ 1,360.80	\$ 1,701.00	\$ 7,314.30	\$ 2,438.10
10	Sir Rodney's Scones	\$ 1,418.00	\$ 756.00	\$ 1,733.00	\$ 1,434.00	\$ 5,341.00	\$ 1,335.25
11	Tarte au sucre	\$ 4,728.00	\$ 4,547.92	\$ 5,472.30	\$ 6,014.60	\$ 20,762.82	\$ 5,190.71
12	Teatime Chocolate Biscuits	\$ 943.89	\$ 349.60	\$ 841.80	\$ 204.70	\$ 2,339.99	\$ 585.00
13	Valikoinen suklaa	\$ 845.00		\$ 385.94	\$ 942.50	\$ 2,173.44	\$ 724.48
14	Zaanse koeken	\$ 817.00	\$ 285.95	\$ 668.80	\$ 1,159.00	\$ 2,930.75	\$ 732.69
15	Total	\$21,082.75	\$22,065.51	\$17,964.86	\$19,780.99	\$ 80,894.11	\$ 1,626.42

For quick filtering, do this:

1. Click the arrow in the table header of the column you want to filter.
2. In the list of text or numbers, uncheck the **(Select All)** box at the top of the list, and then check the boxes of the items you want to show in your table.



Constraints

Constraints are some limitations to help users. The things like deactivating buttons and validation in online forms.

First Name	<input type="text" value="First"/>	
Last Name	<input type="text" value="Name"/>	
Company	<input type="text" value="Examplesite"/>	
Email	<input type="text" value="abc@abc"/>	Invalid
Contact Phone	<input type="text"/>	
Password	<input type="password"/>	Minimum 5 Characters
Secure Site	<input type="text" value=" "/>	.harvestapp.com Required
Team Size	<input type="text" value="Team Size (select one)"/>	

Create My Account

Email

Email address :

forced_error

* Invalid email address

IP Address

IP:

192.168.3.

* Invalid IP address

Date

ISO 8601 dates only YYYY-mm-dd

Date:

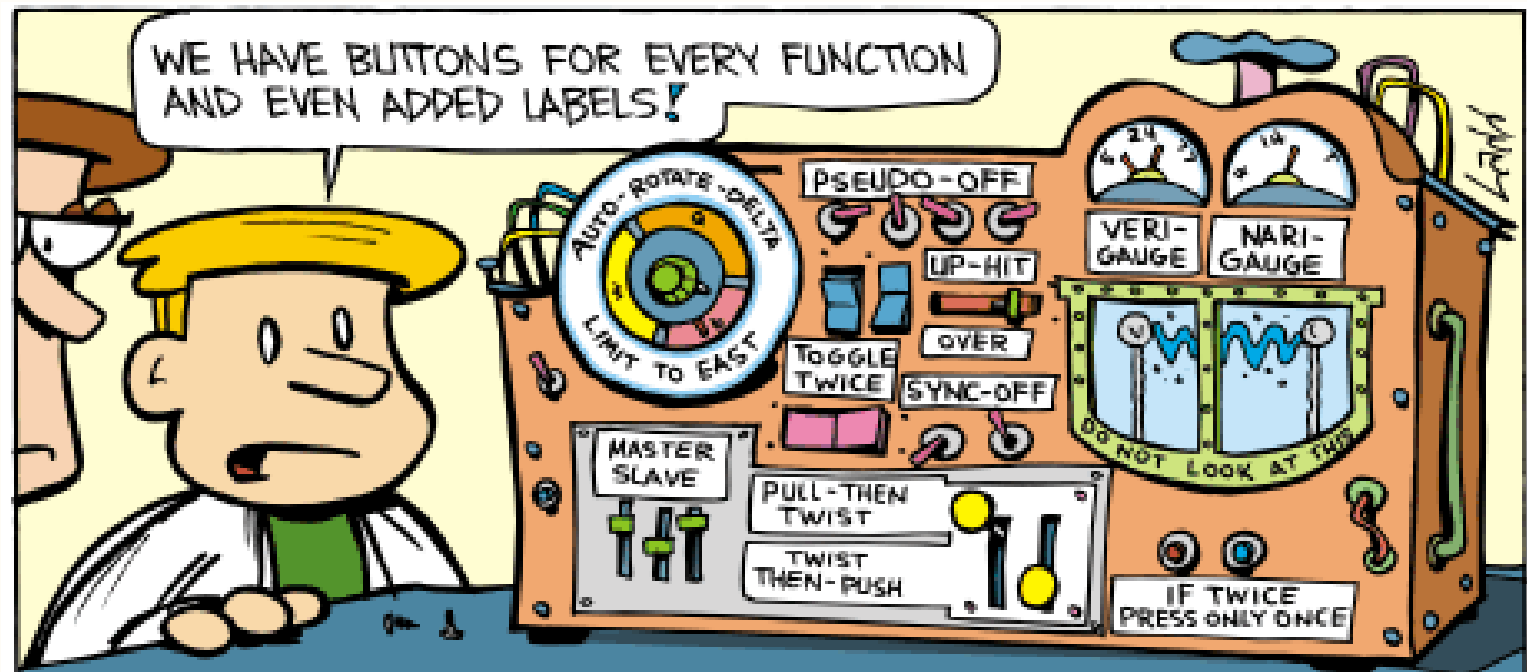
201-12-01

* Invalid date, must be in
YYYY-MM-DD format

Submit

Affordances

When your visitor first lands on your website or software, they're like an alien visiting earth for the first time. You need to show them how to use the system by using familiar visual elements.



Affordances

The image shows the Microsoft Word ribbon with the 'Insert' tab selected. The 'Chart' button is highlighted, and a tooltip is visible over it. The tooltip contains a bar chart and text explaining the purpose of charts. The bar chart has five bars with values 4, 2, 3, 5, and 3. The text says: 'Make it easy to spot patterns and trends in your data by inserting a bar, area, or line chart.' Below the chart is a 'Tell me more' link.

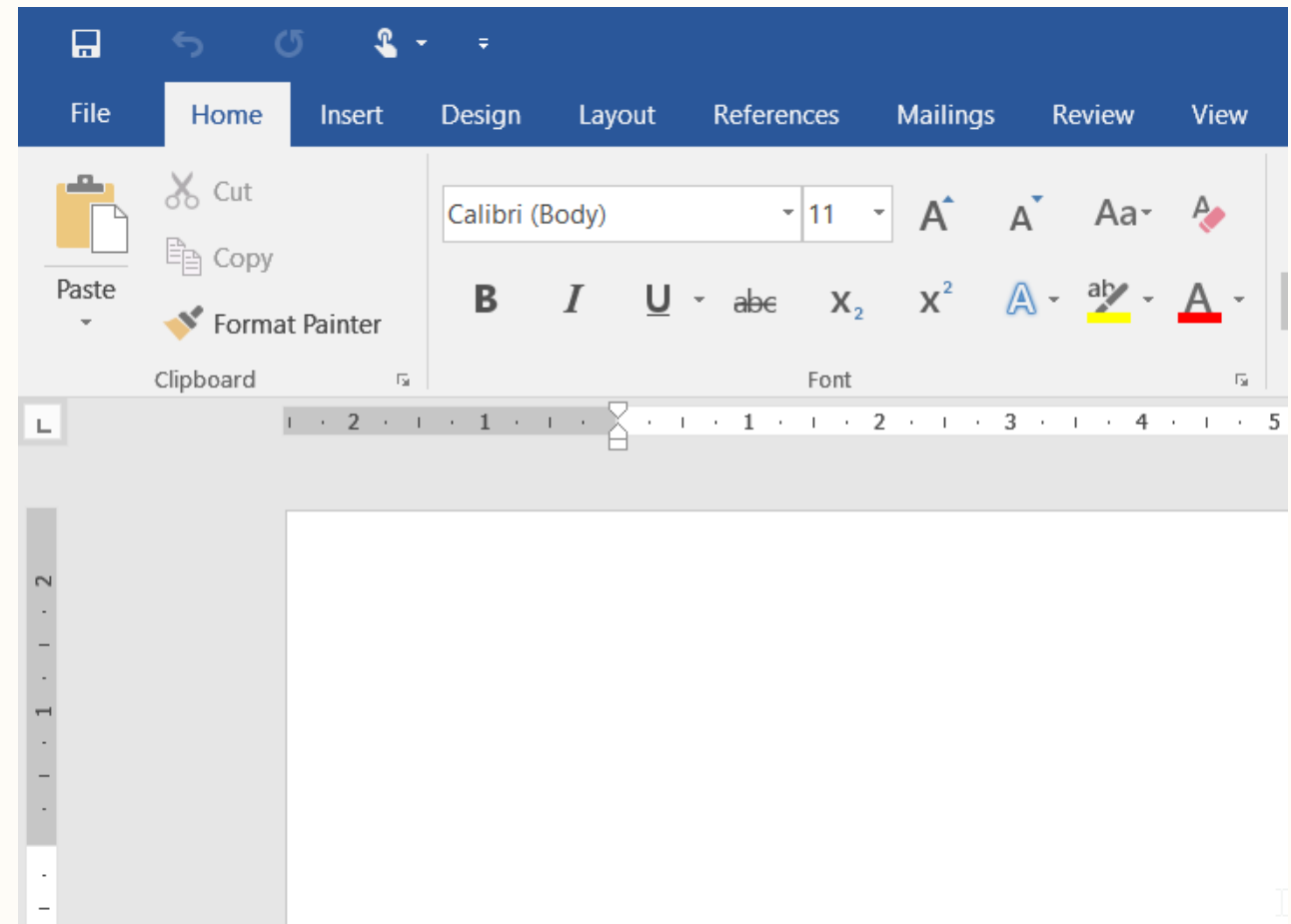
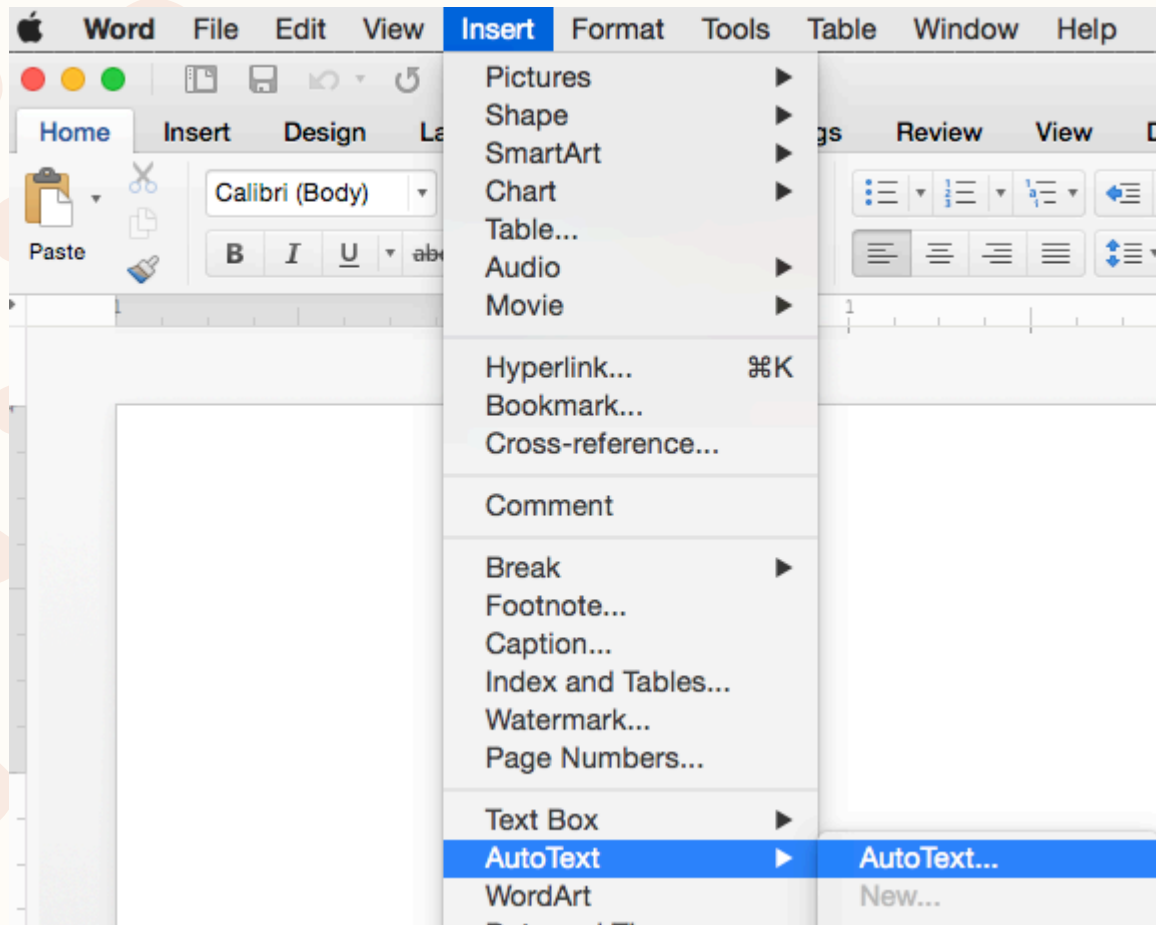
Category	Value
1	4
2	2
3	3
4	5
5	3

The reuse principle

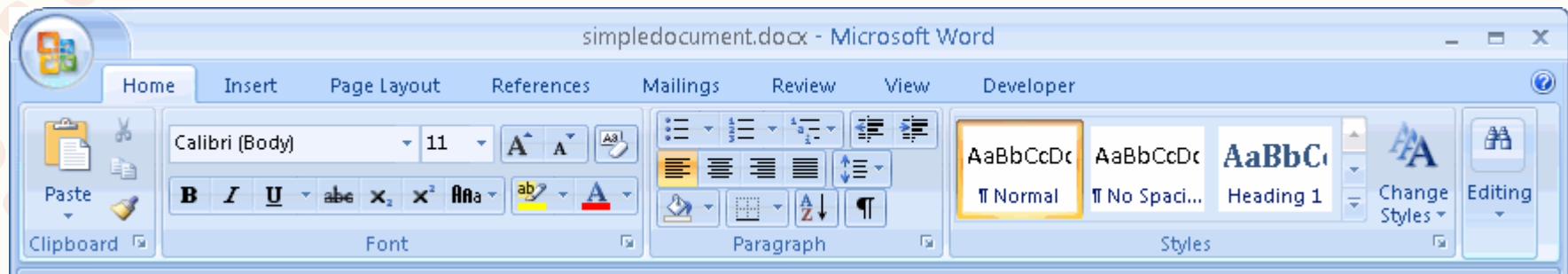
The design should reuse internal and external components and behaviors. This can reduce the need for users to rethink and remember.



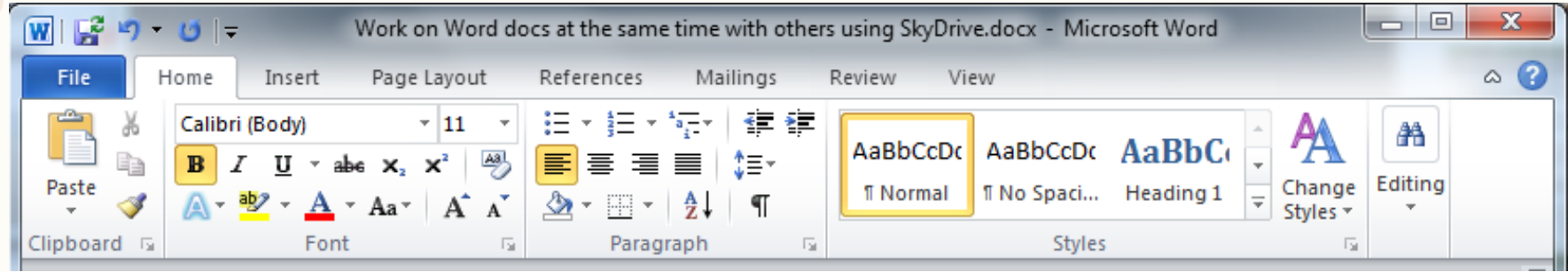
The reuse principle



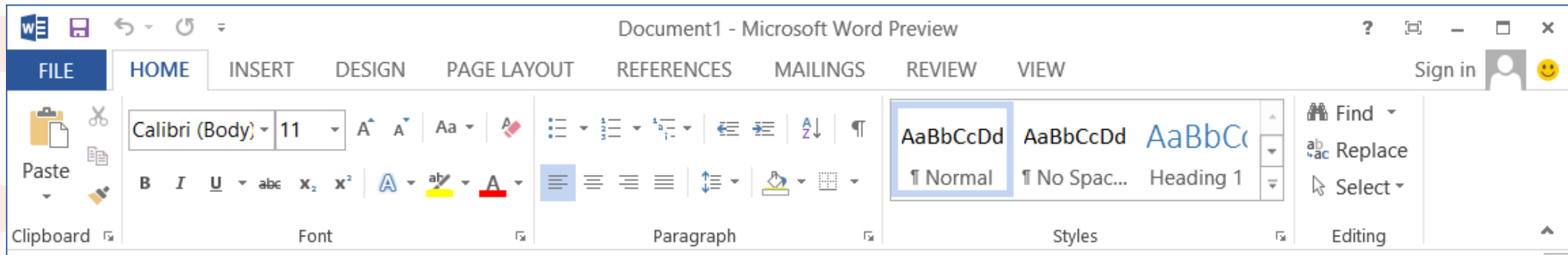
Word
2007



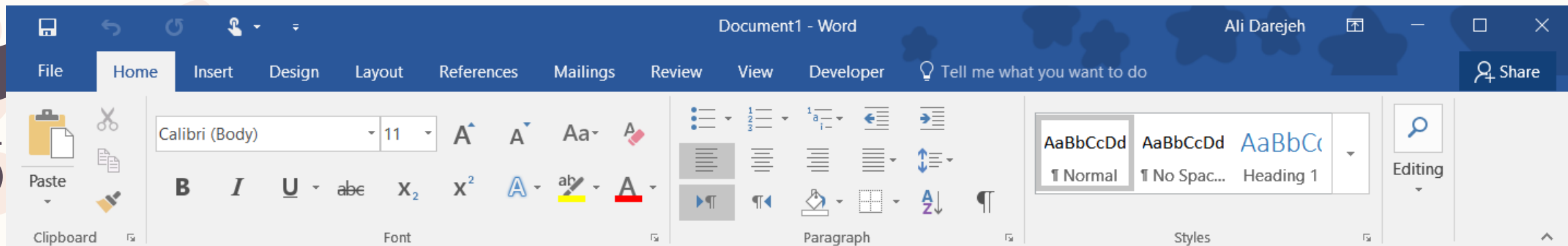
Word
2010



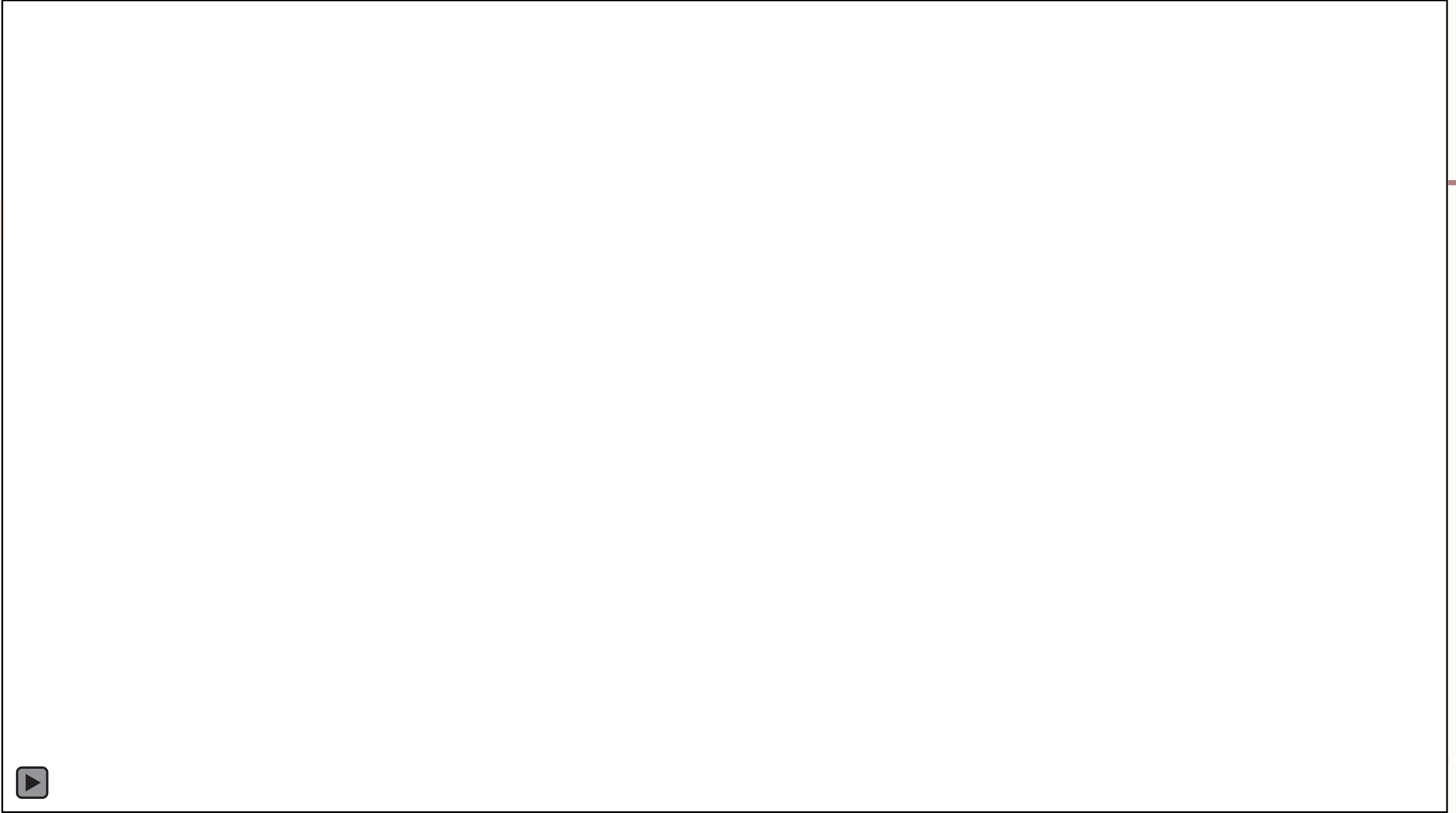
Word
2013



Word
2016



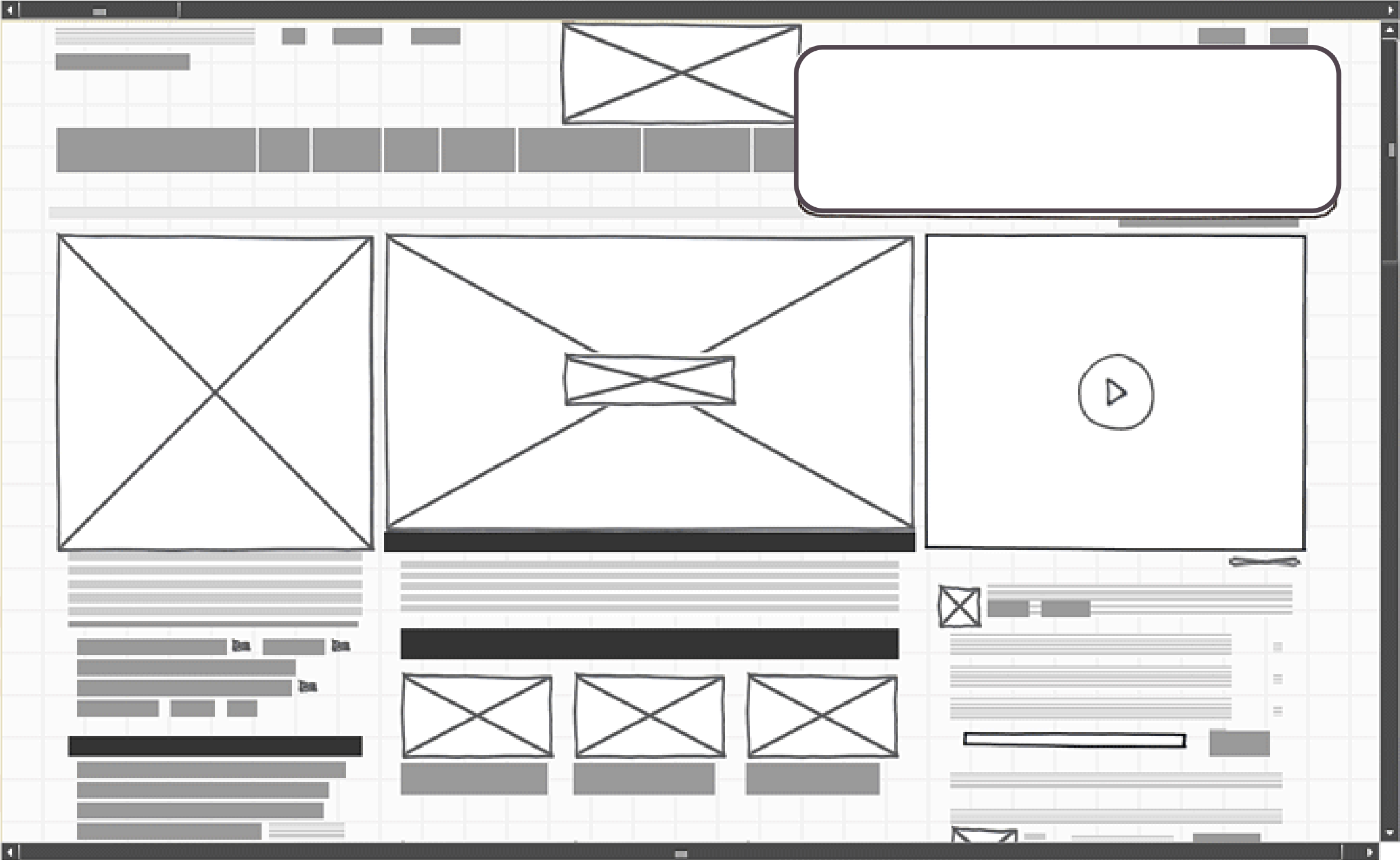
How many interface design principles can you see in this video?



Wire-framing

A **website wireframe**, represents the skeletal framework of a website. The wireframe depicts the page layout or arrangement of the website's content, including interface elements and navigational systems, and how they work together. The wireframe usually lacks typographic style, color, or graphics, since the main focus lies in functionality, behavior, and priority of content. **Wireframe** focuses on what a screen does, not what it looks like.







http://



Q Dow

Save

John Doe

Jane Doe

John Dow

John Dunn

 Mrs. Mr.

First Name John

Last Name Dow

Birthdate 02/08/1977



Job title passionate programmer



Address	City	Region	Postcode	Type
2843 Sherman Ave	Camden	CA	08105-442	home
35746 Haley St	Newark	CA	94560-1161	work

Add

Delete

Telephone

Address

Email

Balsamiq Mockups Software



Username or email

Password

[forgot your password?](#)

All

Big

Buttons

Common

Containers

iPhone

Layout

Markup

Media

Project Assets

Text



Horizontal Slider

select
an icon

Icon

select
an icon

Icon

Icon and Text Label



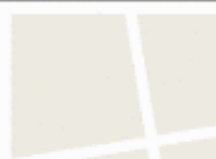
Image



Playback Controls



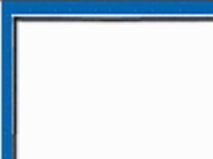
Progress Bar



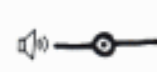
Street Map



Vertical Slider



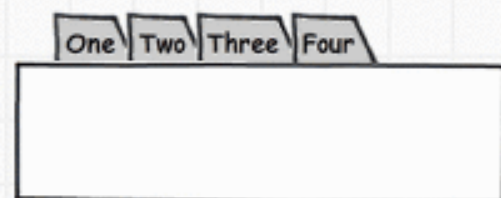
Video Player



Volume Slider



Webcam



ComboBox ▾

3



A paragraph of text.
A second [row](#) of text.

Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	34	Peldi	<input checked="" type="checkbox"/>
Guido Jack Guilizzoni	4	The Guids	<input type="checkbox"/>
Marco Botton Tuttofare	31		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	35	Patata	<input checked="" type="checkbox"/>
Valerie Liberty COO, WOW! Division	:)	Val	<input checked="" type="checkbox"/>

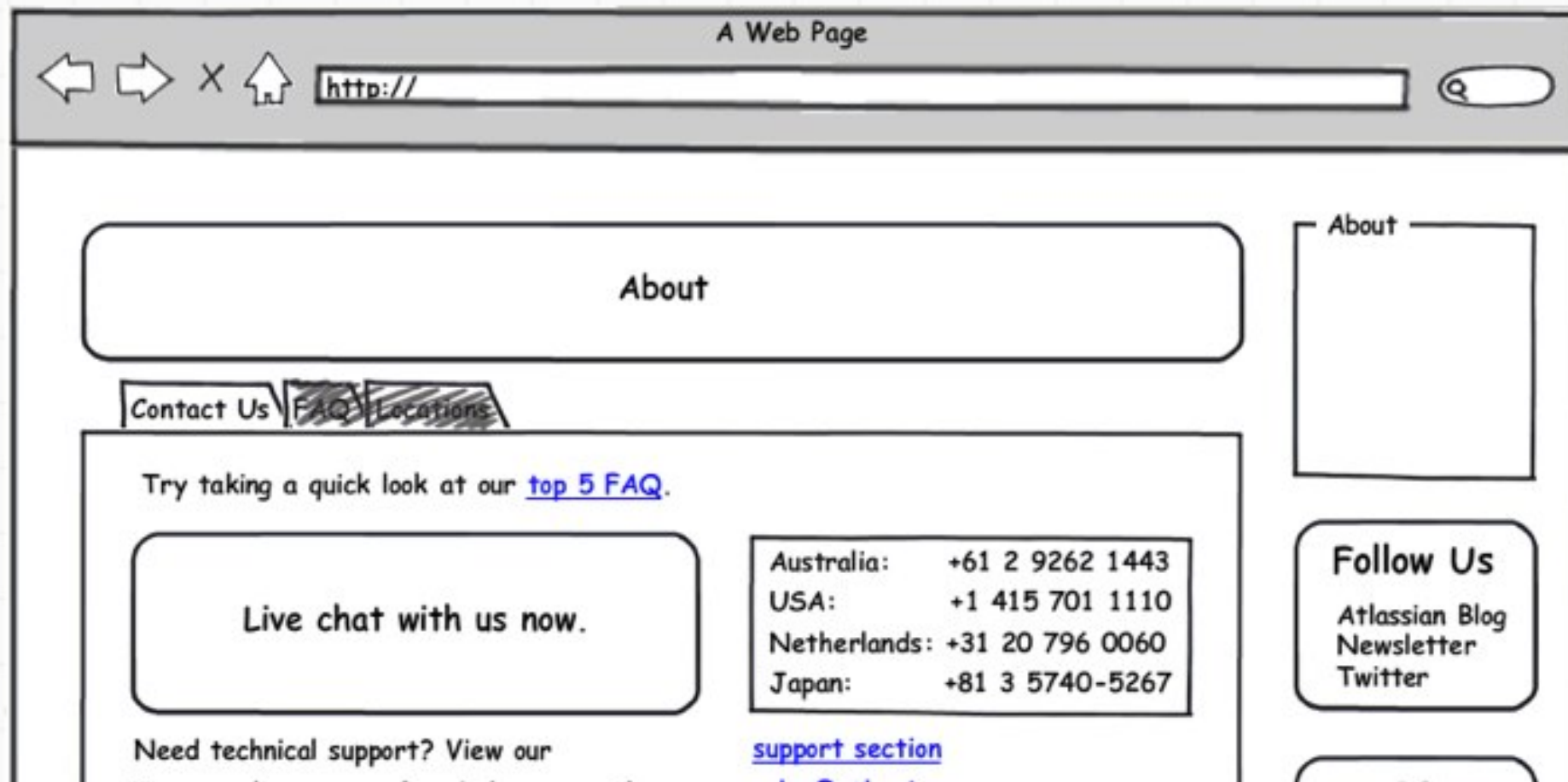
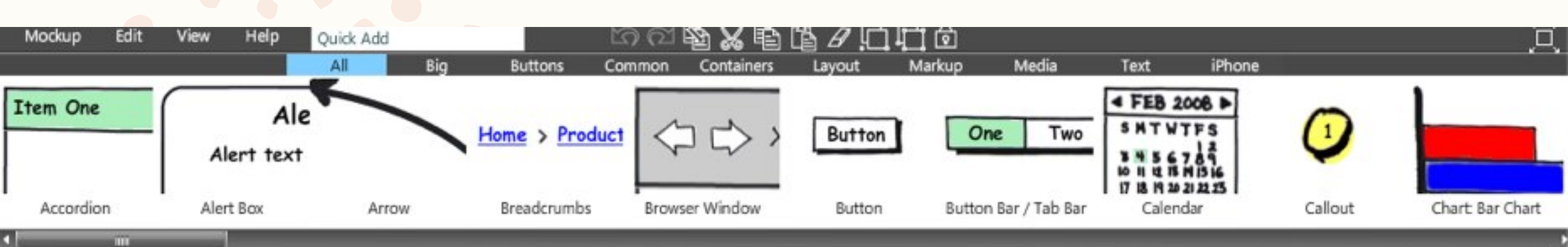
Open CTRL+O
Open Recent >

- Option One
- Option Two

- ✓ Toggle Item
- Disabled Item

Exit CTRL+Q





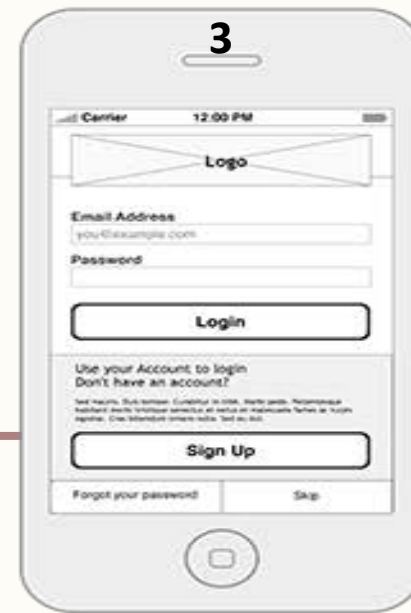
1



2



3



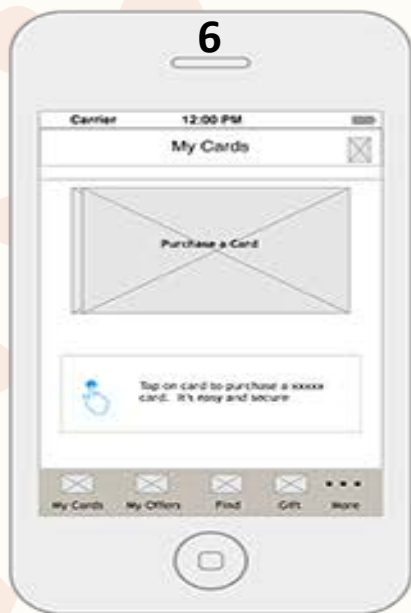
4



5



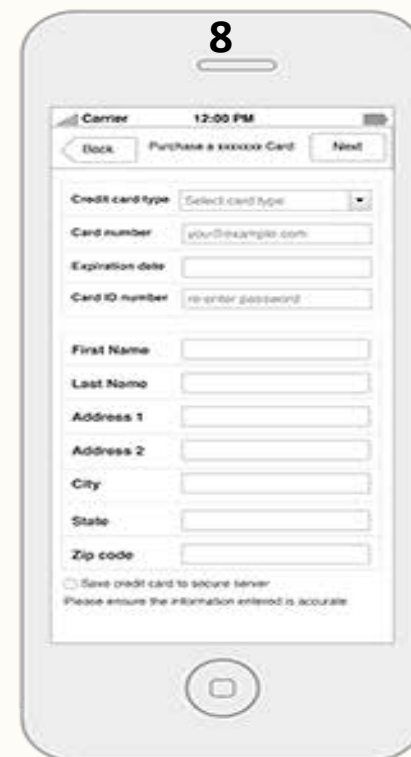
6



7



8



9



10



Prototype

A **prototype** is an early sample, model, or release of a product built to test a concept or process or to act as a thing to be replicated or learned from.



Axure software for functional prototyping

The screenshot displays the Axure RP Pro 5 software interface for creating a functional prototype of a travel website. The central canvas shows a wireframe of a page titled "My Travel Site" with a navigation menu (Home, Packages, Flights, Hotels, Cruises) and a search bar. A yellow wireframe pane is overlaid on the main content area, containing a "Welcome!" message, a "Sign In" button, and a form for booking flights and hotels. The form includes fields for "From:", "To:", "Depart:", "Return:", and "Travelers:", along with a "Search" button. To the right of the form is a promotional image for "Las Vegas" with "Hot Summer Rates Starting at \$99!" and four small thumbnail images for "Mexico", "Las Vegas", "Hawaii", and "San Diego".

Key interface elements are labeled with orange callouts:

- Main Menu & Toolbar:** Located at the top of the application window, containing menus (File, Edit, View, Wireframe, Object, Table, Generate, Share, Help) and various tool icons.
- Sitemap Pane:** Located on the left side, showing a hierarchical view of the project structure, including "My Travel Site", "Sign In Scenario", and "Search Scenario".
- Widgets Pane:** Located on the left side, displaying a collection of UI widgets such as Image, Text Panel, Hyperlink, Rectangle, Placeholder, Button, Droplet, List Box, Checkbox, Radio Button, Horizontal Line, and Vertical Line.
- Masters Pane:** Located on the left side, showing a library of pre-built page templates and components like Navigation, Header, Footer, Template, My Widgets, and Button.
- Interactions Pane:** Located on the right side, providing a list of interactions and annotations for the prototype, including options to "Add case...", "Edit case...", and "Delete case...".
- Annotations Pane:** Located on the right side, showing a list of annotations for the prototype, including fields for "Status", "Approved", "Benefit", "Important", "Effort", "Risk", "Low", "Stability", "Target Release", and "Assigned To".
- Wireframe Pane:** A yellow overlay on the main canvas that allows for defining the layout and structure of the prototype.
- Page Notes & Interactions:** Located at the bottom of the interface, providing a detailed view of the page notes and interactions for the current page.

The status bar at the bottom indicates "Autosave complete" and provides coordinates: "left: 429 top: 188 width: 340 height: 280".



Sitemap

- Home
 - Page 1
 - Page 2
 - Page 3

Home Page 1 ipone Page 2 Page 3

Interaction Case Properties

Step 1: Description Case 1
[Add Condition](#) (if necessary)

Step 2: Select Actions [Advanced Editor](#) 2

- Open Link in Parent Frame
- Set Panel state(s) to State(s)
- Show Panel(s)
- Hide Panel(s)
- Toggle Visibility for Panel(s)
- Move Panel(s)
- Bring Panel(s) to Front**
- Set Variable and Widget value(s) equal to Value(s)
- Scroll to Image Map Region

Step 3: Edit the Actions description (click an underlined value to edit):
 Bring Button_2 to Front

OK Cancel

Widgets

Wireframe

- Image
- Text Panel
- Hyperlink
- Rectangle
- Placeholder
- Button
- Table
- Text Field
- Text Area

Masters

- ipone

Annotations & Interactions

Footnote and Label
5

Interactions
[Add case](#) [Quick Link](#)

- OnClick
 - Case 1
 - OnMouseEnter
 - OnMouseOut

Annotations - All Fields

[Clear All](#) [Customize](#)

Specification

Status

Benefit

Location and Size

Selected Widget

Left 80 Top 288
 Width 300 Height 45

Dynamic Panel Manager

Page 2

- Button 1
 - On
 - Off
- Button 2
 - Off
 - On

Page Notes & Page Interactions

Page Notes - Default

Click to add notes

Page Interactions

[Add case](#) [Edit case](#) [Delete case](#)

- OnPageLoad

Usability testing methods

Usability testing is a technique to evaluate a product by testing it on users.

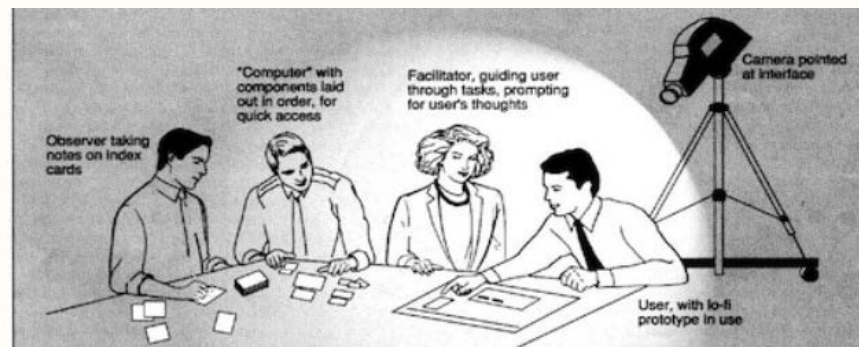
Task analysis: Task analysis is the process of learning about ordinary users by observing them in action to understand in detail how they perform their tasks and achieve their intended goals.



Usability inspection methods

Usability inspection is the name for a set of methods where experts inspect a user interface.

- Heuristic evaluation: in this method evaluators examine the interface and judge its compliance with recognized usability principles.
- Pluralistic walkthrough: The method centers on using a group of users, developers and usability professionals to step through a task scenario, discussing usability issues associated with dialog elements involved in the scenario steps.



User Experience

UX means users' feeling about the system and their perceptions of different aspects of the system.



Positive aspects of UX	Negative aspects of UX
<p>A good user interface should be:</p> <ul style="list-style-type: none">• Satisfying• Enjoyable• Fun• Entertaining• Motivating• Pleasing• Rewarding	<p>The interface won't be:</p> <ul style="list-style-type: none">• Boring• Frustrating• Unpleasant

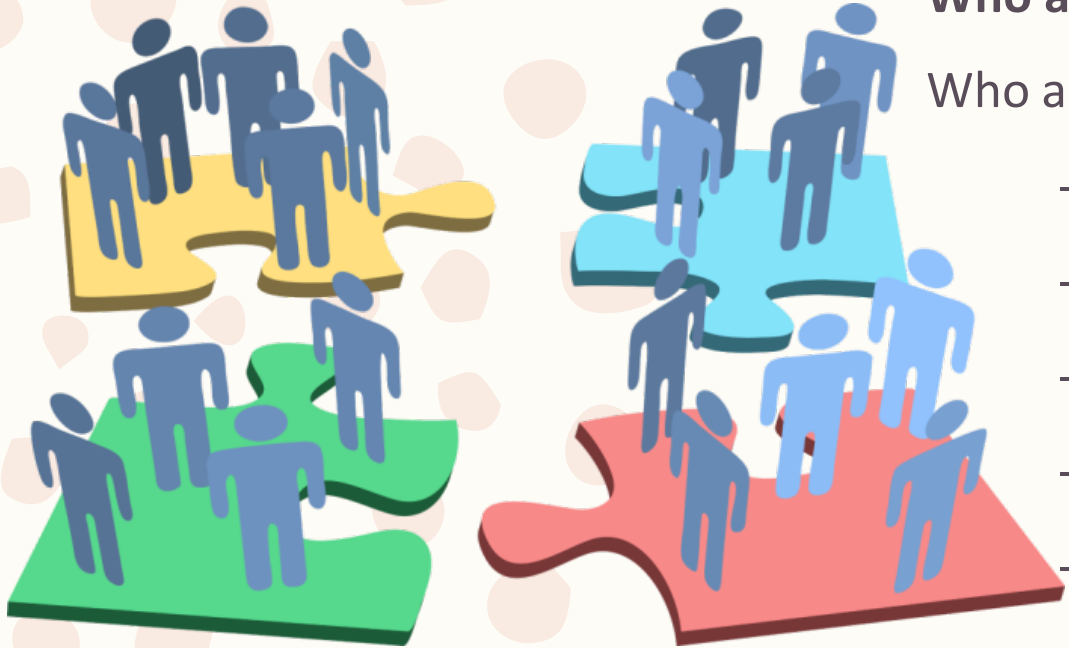
Determining Stakeholders

The first step of UX is Determining Stakeholders.

Who are the stakeholders?

Who are the stakeholders for a library application for UNSW?

- *Student*
- *Lecturer*
- *Different universities*
- *Liberians*
- *People outside the university*
- *People with disabilities*



How to enhance UX?

One of the most efficient techniques to enhance UX is having a game thinking in design. There are three different solutions that we can apply based on the different purposes to the make the software game like.



Game based designs



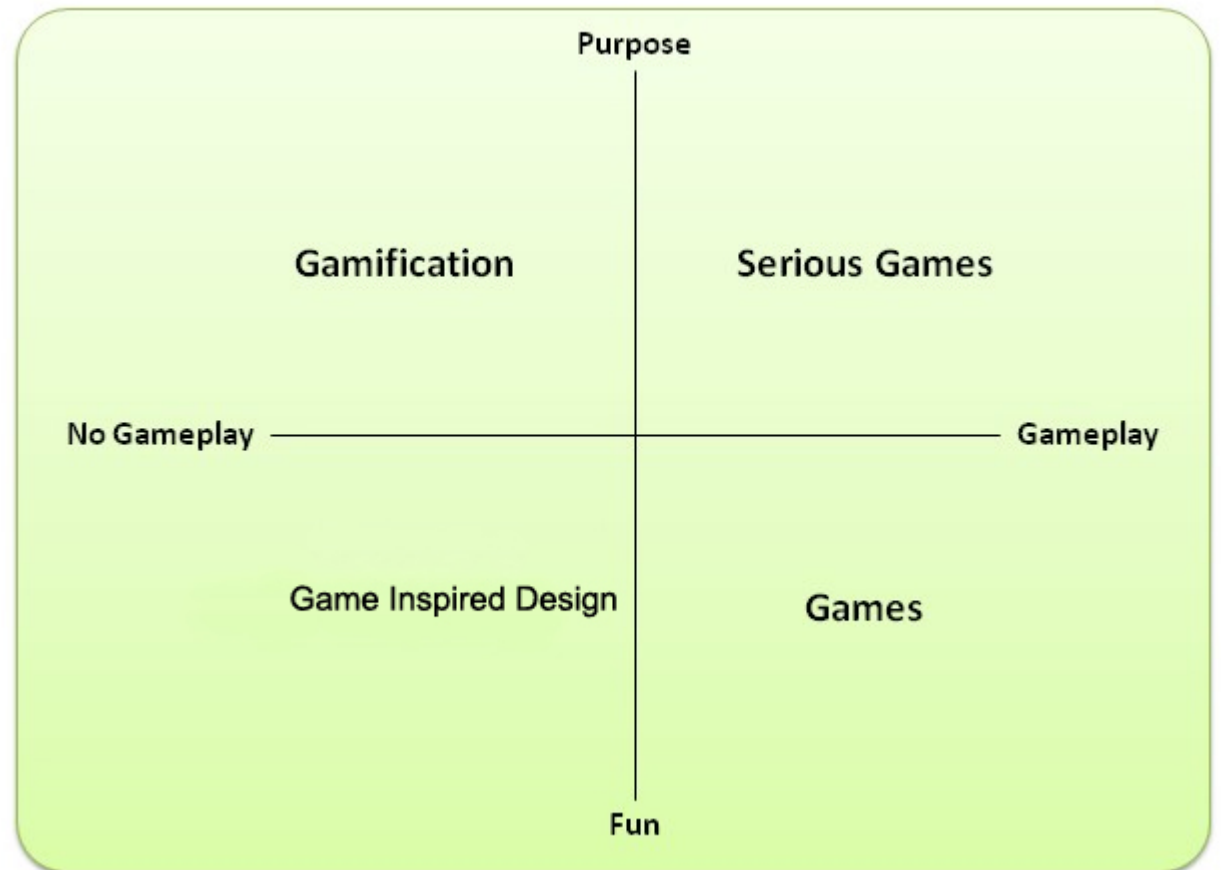
- Game inspired design: is a user interface that mimic from games' artwork.
- Serious game: is similar to normal games but they are developed with the purpose of training a concept to a specific group of users.
- Gamification: is about use of video game mechanics in non-game contexts to encourage and engage users in the context by making sense of playfulness and fun.

Difference between these techniques

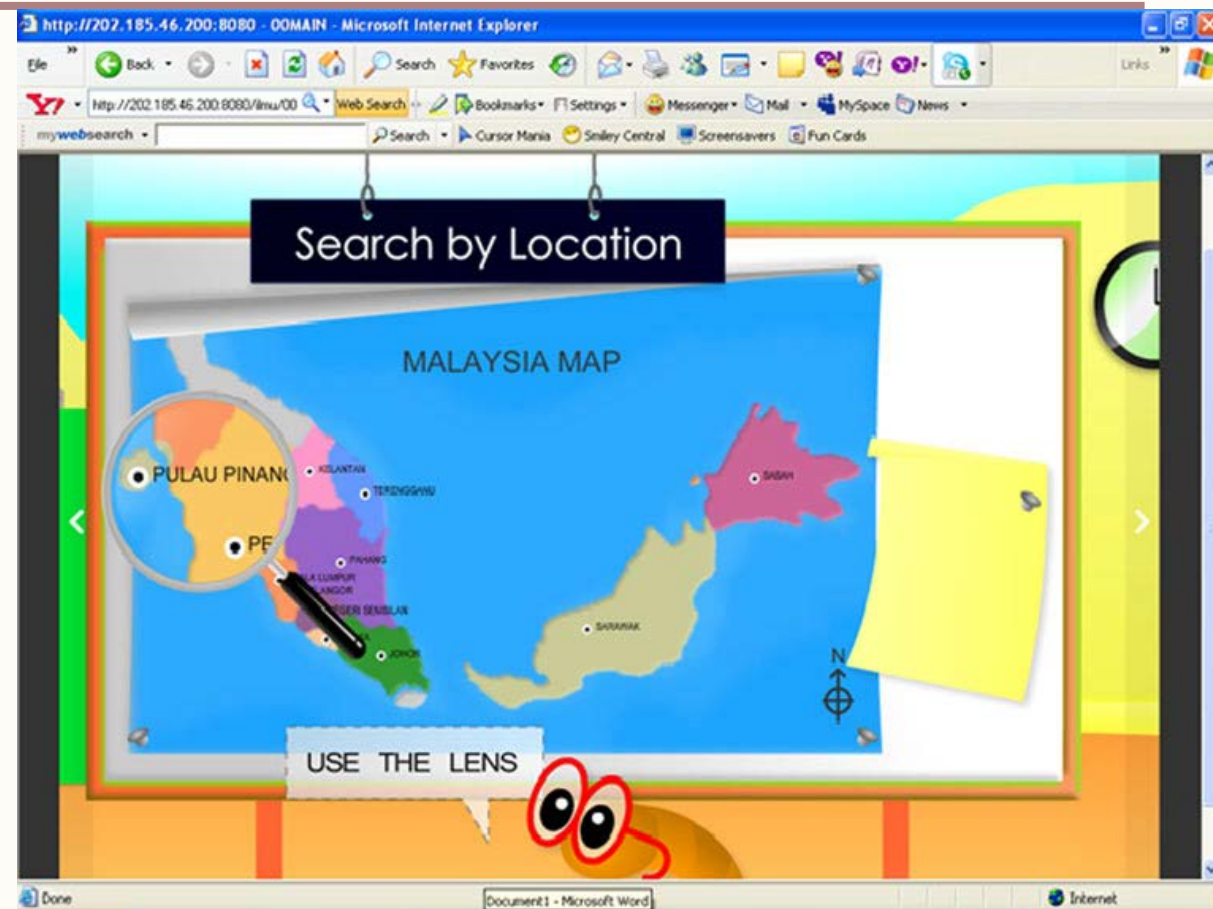
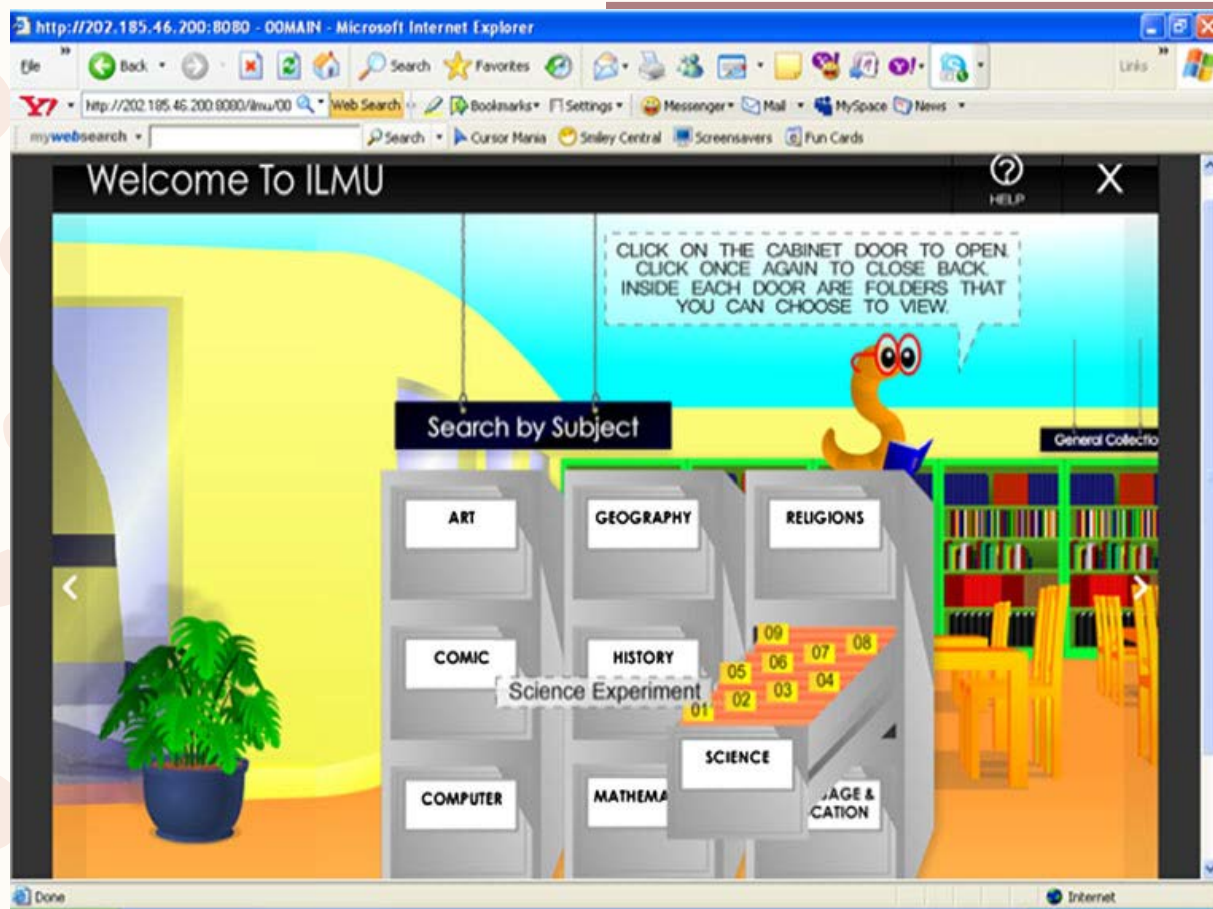
Game Thinking, Broken down by design goal.

	Game Thinking	Game Elements	Game Play	Just for Fun
Game Inspired Design	●			
Gamification	●	●		
Serious Game / Simulation	●	●	●	
Game	●	●	●	●

Types of Game Thinking and Primary Design Goal



A sample of Game inspired design



A sample of serious game in learning



Gamification process



Different areas of using serious games

- Teaching Games: Teaches you something using real gameplay.
- Simulators: A virtual version of something from the real world that allows safe practice and testing.
- Meaningful Games: Uses gameplay to promote a meaningful message to the player and if possible promote change with that message.
- Purposeful Games: Uses games to create direct real world outcomes.

Different areas of using gamification

- Human resource: increase personnel motivation, engagement and working performance.
- Health care and sport: increase physical activities, promote to live healthy and motivate patients to continue their healing process.
- e-Learning: motivate students to spend more time in e-learning system, motivate them to learn more, and increase their virtual class activity such as asking and answering question by the system.
- Data collection: motivate people to participate in data collection process such as crowdsourcing for a research, survey, etc.
- Online community: increase users motivation to participate in a specific online community like a blog, social web site and question/ answer web site.
- Software popularity: increase users loyalty to use a specific software for a long time, increase frequency of using software and increase discovery-based learning.



MELISSA GREEN

1500
POINTS

NOVICE

50 Points to

ROOKIE

7/20

Totals

12 BADGES WON!

2 MISSIONS COMPLETED

2 TROPHIES WON

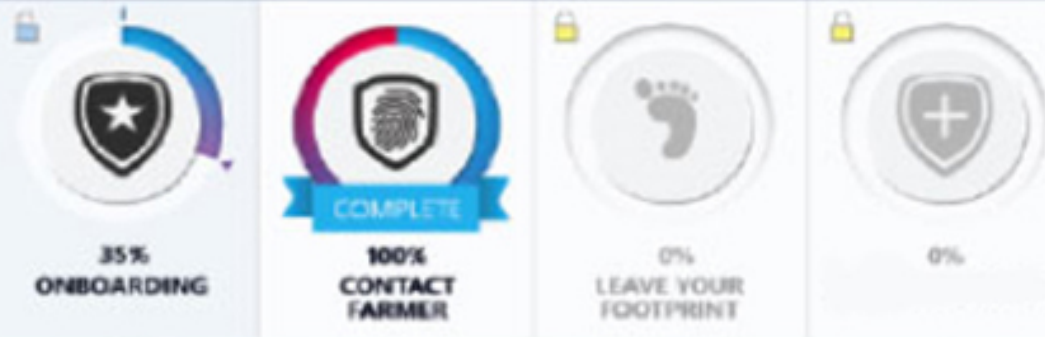
Course Races

Game: DATA HERO

BADGES



MISSIONS



TROPHIES



Studnet of the week



Studnet of the Month



Studnet of the Semester

A sample of Gamification in learning



A sample of Gamification in a CRM systems

The image displays several overlapping screenshots of a CRM system's gamified interface. The main screenshot shows a user profile for John Smith with a green header bar. The interface includes a navigation sidebar on the left with categories like 'Workplace', 'Customers', and 'Sales'. The main content area is titled 'John's activity' and features a 'This Week' summary with a progress bar and a 'People's Ranking' table. A notification states 'John Smith just won a new Opportunity'. Below the ranking is a 'Team's Ranking' table. A secondary screenshot on the right shows a 'John's progress' summary with a bar chart and a 'This week' dropdown menu. A third screenshot on the far right shows a 'Players' leaderboard with a 'This week' dropdown and a 'Points Won' column.

Position	Points	Badges	Achievements
#1	36	+1	+0
#2	11	+0	+0
#3	7	+0	+0

Position	Points	Badges	Achievements
#1	47	+1	+0
#2	2	+0	+0
#3	1	+0	+0

Position	Points Won	Badges	Achievements
#3	+39	+7	+19
#4			
#5			
#6			

A sample of Gamification in sport

endomondo PRO

RUNNING

DURATION **0:12:51**

DISTANCE miles **1.72**

AVG. SPEED min/mile **7:28** AHEAD **1:17**

GPS: OK

BEAT YOURSELF
3.10 mi 23:49

START **COUNTDOWN**

Workout History Settings

Choose Workout

- BASIC**
Just track a workout
- DISTANCE GOAL**
Choose a target distance
- TIME GOAL**
Choose a target time
- BEAT YOURSELF**
Go against a previous workout

endomondo

newsfeed

- Mads Ravn was out walking. He tracked 2.62 mi in 45m:10s.
- Thomas Stilling Ambus was out running for 2m:28s.
- Thomas Stilling Ambus was out running. He tracked 2.30 mi in 17m:00s.
- Thomas Stilling Ambus was out running for 3m:03s.
- Erik Schack Andersen was out cycling. He tracked 6.12 mi in 32m:40s.
- Mads Ravn was out running. He tracked 2.91 mi in 24m:50s.
- Henrik Christopher Juul Bay was out cycling. He tracked 4.00 mi in 21m:05s.
- Mette Nielsen was out cycling. She tracked 4.83 mi in 29m:36s.

profile

workouts **15** Calories burned **10,374**

duration **14:22:47**

distance miles **128.10**

Running

Cooper	2.43 mi
One hour	9.87 mi
1mi	0:00:50
3mi	0:17:01

workouts

Running

DATE	2/16/2012	TIME	1:40
DISTANCE	10.79	DURATION	1:12:43

Map showing location on Lombard St.

in application page

Gamification in AutoCAD

The screenshot shows the AutoCAD software interface with a gamified task overlay. The task is titled "Task: Create a star" and instructs the user to use the SELECT ALL feature of TRIM to erase all of the internal lines from a star. The overlay includes a "Hide Hints" button, a progress bar, and a "Game Console" button. The task is divided into four steps, each with a green checkmark indicating completion. The speed bonus points are 97. The interface also shows the ribbon with the TRIM command highlighted, and a star shape in the drawing area.

Task: Create a star
Use the SELECT ALL feature of TRIM to erase all of the internal lines from a star.

Hide Hints

Step1:

Click the TRIM icon on the ribbon

Step2:

Press [ENTER], which will select all objects as cutting edges.

Step3:

Click on all five internal line segments to trim them.

Step4:

Press the [ENTER] key to complete TRIM command.

Speed bonus points: 97

Game Console Restart

Command:
Autodesk DWG. This file is a
or Autodesk licensed applicati
Command:
Command:
Command:
Command: _trim
TRIM started
Current settings: Projection=1
Select cutting edges ...
Select objects or <select all>
PromptedForPoint - (0,0,0)
Select object to trim or shift

The scoreboard overlay displays performance metrics for the task. It shows a total score of 900, a speed bonus of 0, a no hint bonus of 0, a zero undo bonus of 300, and a base score of 600. A challenge is presented: "New highscore! Get no-hint bonus points if you finish this task without clicking the SHOW HINT button." The overlay also features three yellow stars at the top.

★★★★

Total
900

Speed Bonus 0

No hint bonus 0

Zero Undo Bonus 300

Base Score 600

New highscore! Get no-hint bonus points if you finish this task without clicking the SHOW HINT button.

Encourage novice users to improve their AutoCAD working knowledge

Microsoft Ribbon hero



INSTRUCTIONS

CLIPPY'S RÉSUMÉ

1 Change the font of the entire document from Comic Sans to Calibri.

Objective To obtain a job where I can help other people write resumes and be a dedicated professional.

Work experience

1996 - 2001
Office Assistant

- Responsible for
- Demoted
- Wrote

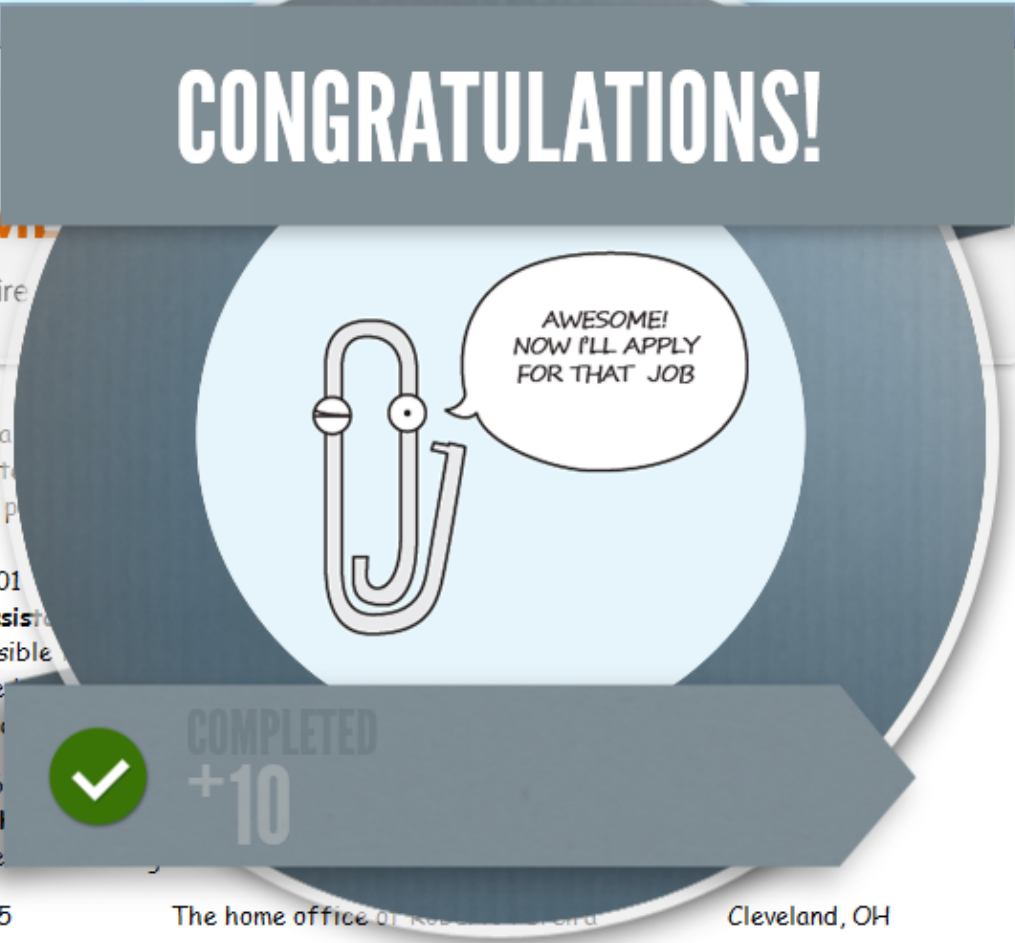
1995-1996
Chief Tecl

- Assiste

1994- 1995
Paper clip

- Held paper together. Responsible for fastening as many as 18 pieces of paper at a time, including color copies, letterhead and grocery receipts.

1992- 1994
Box of Large Spring Second shelf on right



Ribbon Hero 2

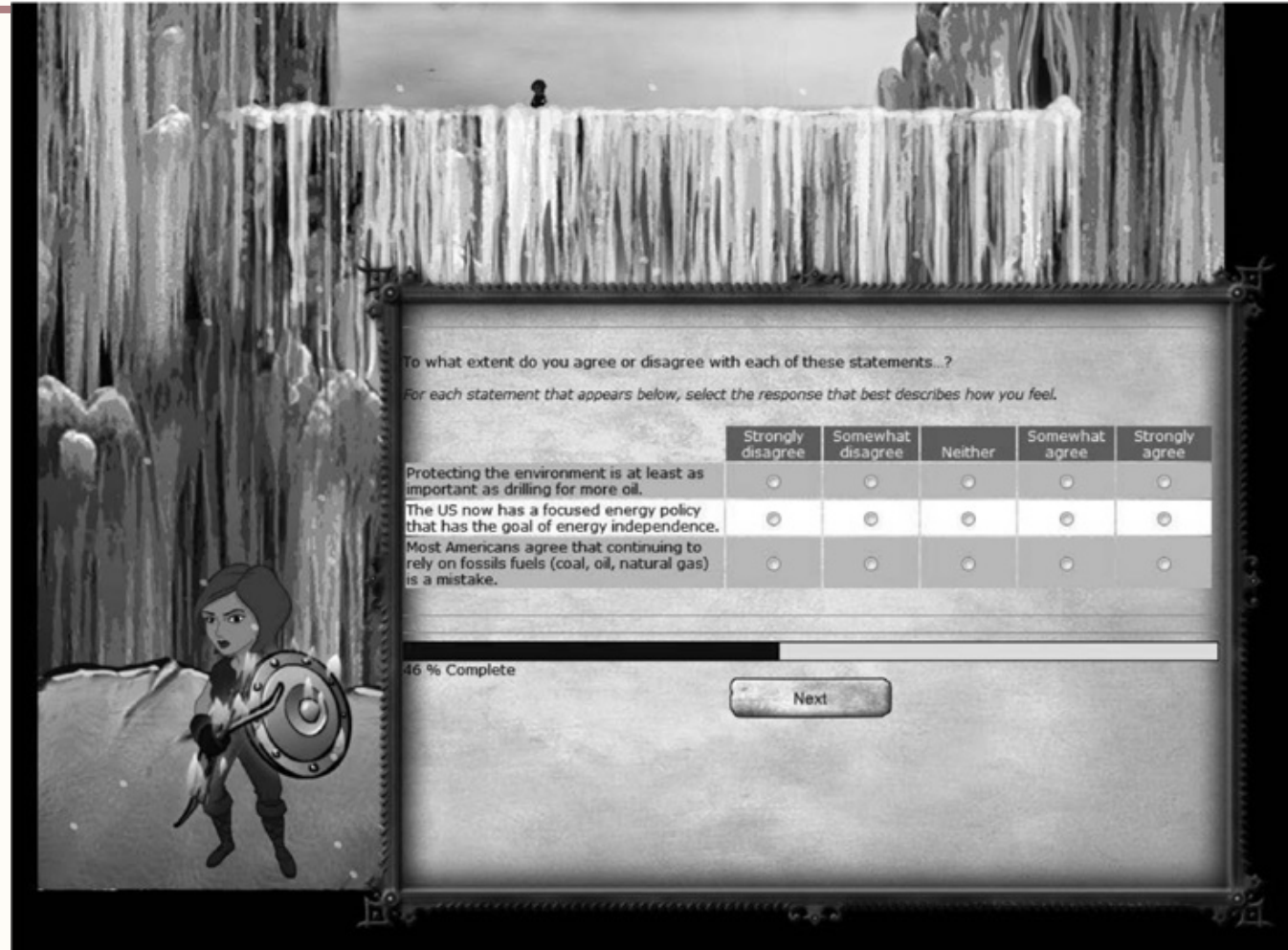
Instructions MEDIA

- ✓ Change the font of the entire document from Comic Sans to Calibri.

NEED A HINT?

RETRY **QUIT**

A sample of gamification in survey system



Like to learn more about
interface design ...

Take **Human Computer Interaction (HCI)**
course in the third year of your study.

