



# MIS 3504

# Digital Design and Innovation

Week 11

Photo: Installation by Jenny Holzer, US Pavillion, Venice Biennale 1990

# Software Solution **PROCESS**

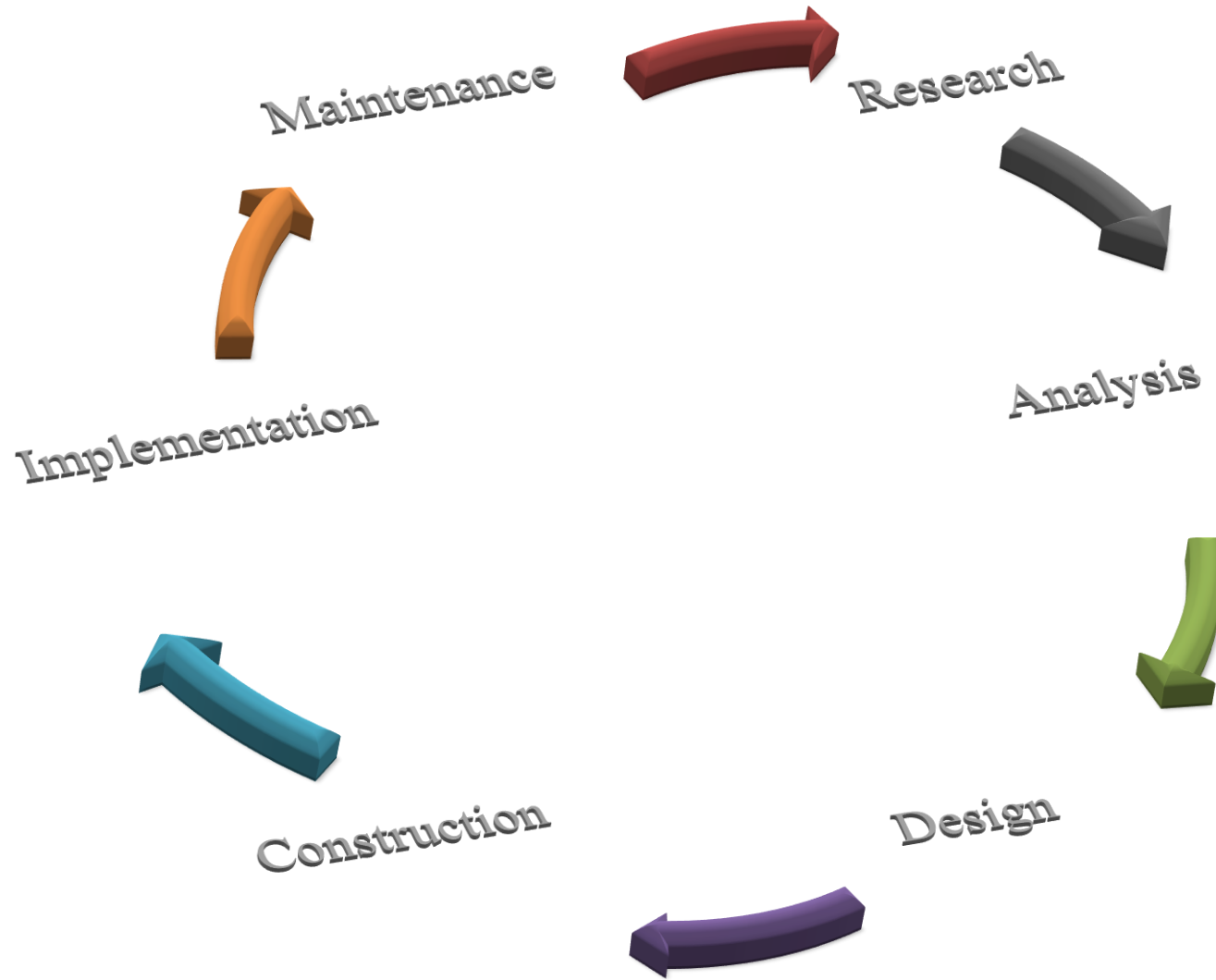


1: The big picture

2: Where does the project begin and end

3: Where does Analysis and Design fit

# Software Development **Life Cycle**



# Simply **Stated**

Research – Find what inspires you

Analysis – What do you want it to do

Design – How do we do it

Construction – Build it

Implementation – Deploy it

Maintenance – Keep it running

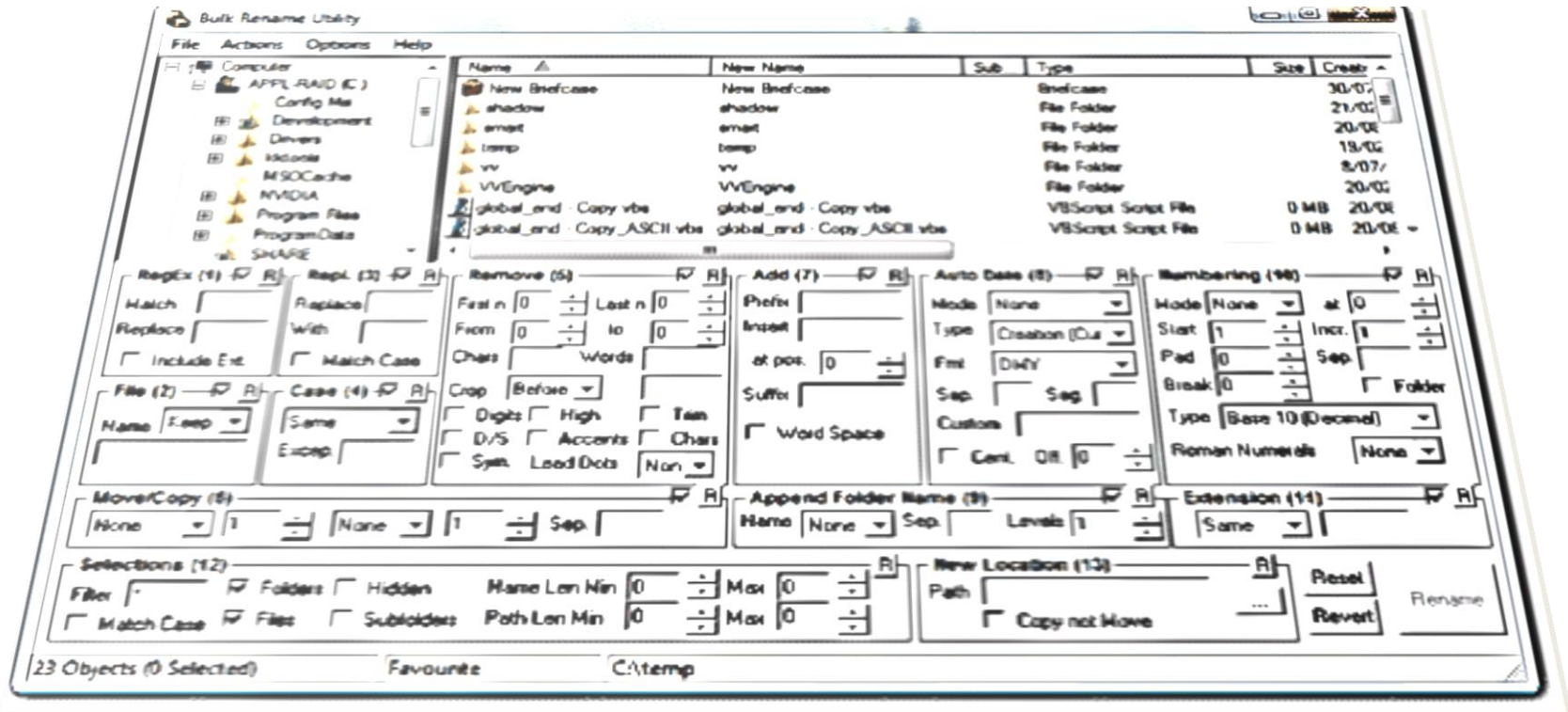
**What's Next**

# What Makes a Good **Design**

- Do not clutter the screens
- Expand / Collapse information
- Use of icons and symbols
- Search
- Colors
- Navigation
- Controls

# Do not clutter the screens

## more is not better



# Expand / Collapse information



The collage illustrates various expand/collapse UI patterns across different applications:

- Top Section:** A navigation bar with tabs like 'Work Area', 'Registration Options', and 'Service Configuration'. Below it, a 'Section 1' through 'Section 3' layout with expandable content blocks.
- Contact Settings:** A 'CONTACT SETTINGS' dialog box with a 'MAILING ADDRESS' section. A blue circle highlights a right-pointing arrow next to the title. Below the dialog, the text '322 x 206 - access.redhat.com' is visible.
- Property Inspector:** A 'My Panels' sidebar with a list of panels (Panel 1, Panel 2, Panel 3, Panel 4) and a 'Property Inspector' window showing various settings like Type, Value, Database, Tuning, Service, and UI Hints.
- Accordion Control:** A window titled 'ACCORDION CONTROL FOR A...' with a form for 'FOR APPLICANTS: PLEASE FILL IN THE...' and a 'SAMPLE DAILY DIET PLAN' image.
- Mobile Applications:** A smartphone showing a financial dashboard with expandable sections. A 'Subsonic' mobile app interface is also shown.
- Buddy List:** A 'Buddy List' window with a search bar and a list of contacts like Joanne, Lawrence, Lumbergh, Michael Bolton, Milton, and Samir.
- Resources:** Multiple 'Resources' panels with search bars and expandable content.
- Grid Table:** A table titled 'Demonstrate how to change the "class" icon of the grid title' with columns: Client, Date, Amount, Tax, Total, Closed, Shipped via, Notes. The table contains 5 rows of data.
- Dashboard:** A dashboard with a 'Services' section and a 'Users' section.
- Web Page:** A screenshot of a website with a navigation menu and a main content area.

Annotations on the right side of the collage:

- Blue text: 'Clicking the arrow expands or collapses the panelbar item' with a red circle around a right-pointing arrow.
- Blue text: 'Clicking on this area navigates to the specified url.' with a red circle around a right-pointing arrow.

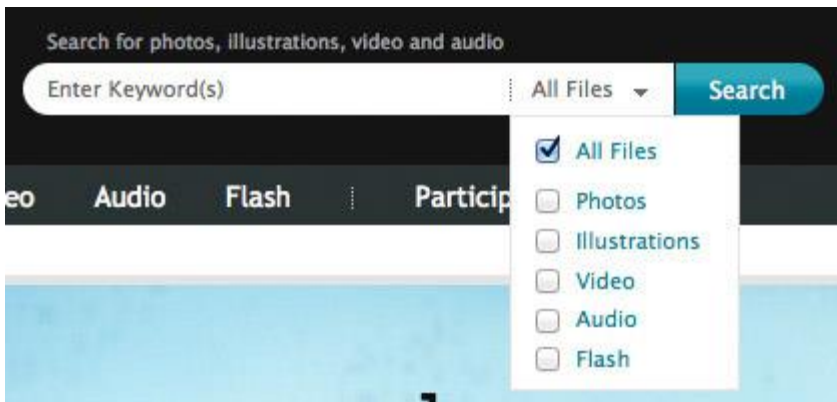
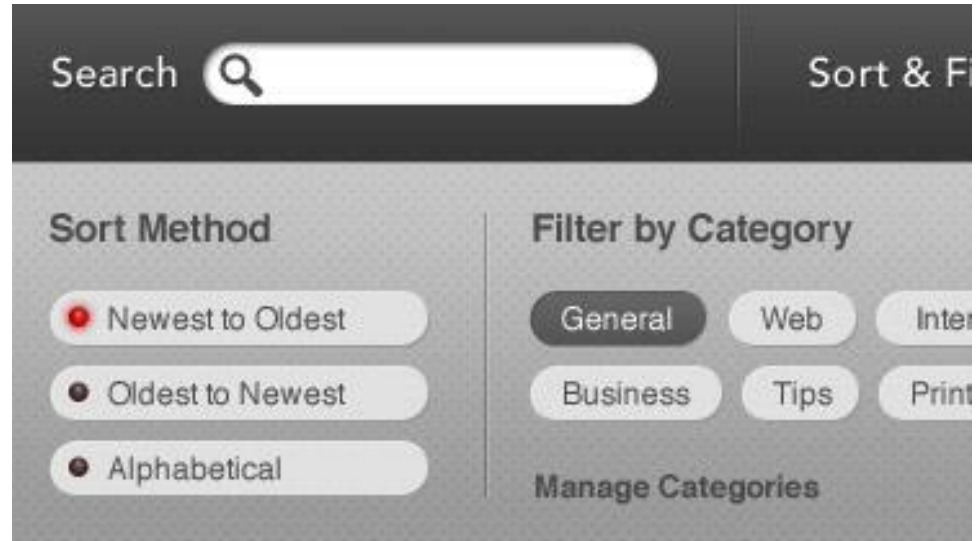
# Use icon symbols

## Over come the language barrier





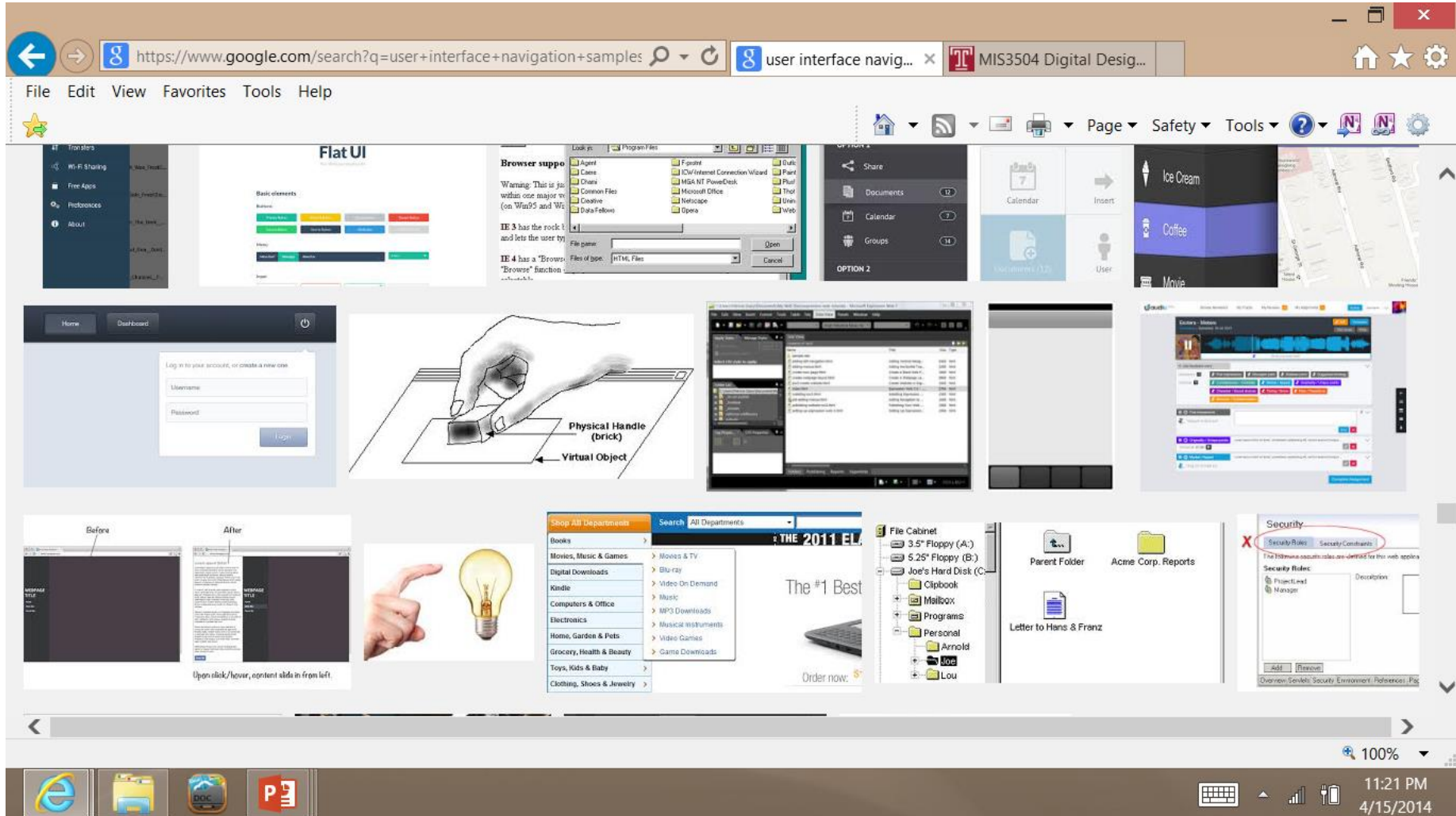
# Search



# Colors Matter



# Solution Navigation



# Intuitive Controls

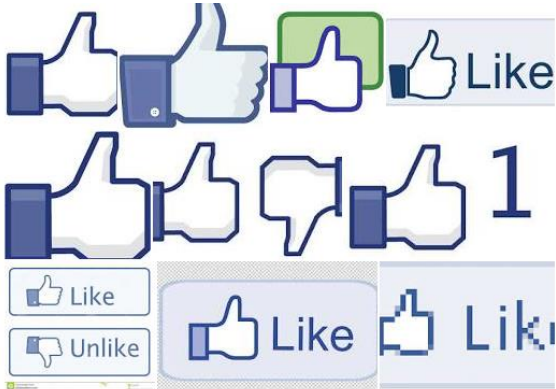


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# What will your Persona Like

## Heuristic Review

