

Submitted by Group 36

Group Members:

CETIN, Ulfet (391819); GRUCZKA, FILIP (413279); LIPINSKI, Bartosz (413177)

DIS1 WS 19/20 Assignment 2

Applying Design Principles to Evaluate and Redesign UIs

Task 1



Figure 0.1: Blinkee



Figure 0.2: Blinkee

Natural Mappings and Forcing Functions: Examples

Natural mapping with spatial analogy: telephone voice control buttons

Note4:A has volume-up button on the upper right of the telephone, and has the volume-down button just below it. This layout of volume buttons, in a sense, makes increasing the volume with the button above and makes decreasing the with the button below, similar to the real-world version arrangement.

Natural mapping with perceptual analogy: image editing application's pencil symbol

GIMP:A has the pencil symbol as the imitation of the device itself. Although we are not actually controlling a real pen, the pen shaped indicator in place of the cursor definitely helps.

Natural mapping with cultural analogy: Linux bootable USB creator tool's layout

LiLi:A has an order from top to bottom, which is a natural analogy. It courts you step by step downward through its graphical interface, with each step requiring you to complete the previous step. We people tend to naturally follow this pattern.

Forcing functions: confirmation of target in Linux bootable USB creator tool

LiLi:B warns user about the future deletion of the data that currently resides in a USB. User has to confirm that they are sure to use that USB, and willing to continue doing so.

Task 2



Figure 0.3: Home Appliance Picture for Task 2

Task Description:

Potential Gulf	Stage	Formulation of Stage
	1. Goal	
	2. Plan	
	3. Specify	
	4. Perform	
	WORLD	
	5. Perceive	
	6. Interpret	
	7. Compare	

Task 3

Example of a home appliance more closely associated with level *****;



Figure 0.4: Placeholder Image for Ex1

Justification:
placeholder

Example of a home appliance more closely associated with level *****;



Figure 0.5: Placeholder Image for Ex1

Justification:
placeholder

Example of a home appliance more closely associated with level *****;



Figure 0.6: Placeholder Image for Ex1

Justification:
placeholder