



HUMAN COMPUTER INTERACTION –CS351

Lab-Assignment #5 : Interaction Design Basics

Computer Science Department

2018-2019



Exercise #1:

- 0 What are the four interaction design activities?
- 0 What are the three key characteristics of those four interaction design activities?
- 0 How can designers understand their materials?
- 0 What are the issues associated with interaction design?
- 0 How can designers know their users?
- 0 Examples of stakeholders or users?
- 0 What are the five design processes?
- 0 What are the available tools of screen design and layout?
- 0 Users can tell you what they 'need' to help them achieve their goals (T/F)
- 0 How can you as a designer know what user's needs?
- 0 How do you generate alternatives?
 - We can seek inspiration by looking at similar products (T/F)
 - How do we choose among alternative designs?
 - An example of alternative design is prototype (T/F)
- 0 Stories for design are called _____
- 0 Scenarios helps _____, _____, and _____
- 0 In scenarios, designers explore _____, _____, _____
- 0 Using boxes to group logical items or using fonts for emphasis, headings are examples of good decoration (T/F)
- 0 visual clue to a function of an object is _____
- 0 The shape of a mug handle is an example of affordance (T/F)
- 0 The shape of door knob is an example of affordance (T/F)

- 0 demonstration of the final production design you never get it right first time is called a _____
- 0 Beautifully pleasing designs increase user satisfaction and improve productivity (T/F)
- 0 Overusing colours produces a good design (T/F)

Exercise #2:

Remote control has the following buttons:

- On/Off
- Quick OSD (On-Screen Display menu)
- FL Select (change the display on DVD player)
- Open/Close (Eject DVD)
- Advanced Disc Review (Review playlist)
- AV Enhancer (Adjust audio and video)
- Repeat (Repeat play)
- Multi Re-Master (Improve audio quality)
- Numeric Keypad
- Depth Enhancer (Reduce picture 'noise')
- Manual Skip (Skip 30 seconds forward)
- Quick Replay (Skip back a few seconds)
- Cancel
- Skip Forward
- Skip Back
- Slow Forward
- Slow Back
- Stop
- Pause
- Play
- Direct Navigator/Top Menu (Main menu)
- Play List/Menu (Show a disk menu or play list)
- Functions (Change on screen menu)

- Return (Return to previous menu)
- Up Arrow
- Down Arrow
- Left Arrow
- Right Arrow
- Enter
- Subtitle
- Audio (Change soundtracks)
- Angle/Page (Change angle/advance still pictures)
- Setup (Quick setup menu)
- Play Mode (All/group/random play)
- Play Speed (Changes play speed)
- Zoom
- Group (Selects groups of items to play)
- Use the following tools to design an interface of the remote control:
- Grouping of items
- Order of items
- Decoration - fonts, boxes etc.
- Alignment of items
- White space between items

