

Review Sheet – HCI Midterm Exam

Study: Go over the below terminology **AND** all the lecture notes, choose some readings from **each** week, and all **in-class** and **out of class** work.

Format: Multiple choice, True or false

Terminology

Topic1_Introduction

Human-Computer Interaction
Good and Bad Design: Measuring Cups,
Doors, Stoves, etc.

Topic2_Good and Bad Design

Good vs. Bad Design
Slips vs. Mistakes
Standardize
Accessible

Topic3_Visual Design

Visual Design: white space, size contrasts
Typography/Layout/Color
Sans Serif vs. Serif
Grid Layout / Context View
Alignment
Color Guidelines
Eye tracking studies
Affordances / Perceived Affordance
Cultural Constraints/Conventions

Topic4_Qualitative Research

Qualitative vs. Quantitative
Observations
Interviews
Ethnography
Needfinding
Good/Bad interview questions
Participants
Lead users vs. Extreme users

Topic5_Storyboard

Storyboard
Star People
Setting/Sequence/Satisfaction

Topic6_Prototype

Paper Prototype
Prototype Mockup Software
Digital Mockup
Wizard-of-Oz Prototype
Prototype
Video Prototype

Topic7_Heuristic Evaluation

Heuristic Evaluation
Visibility of system status
Match between system and the real world
User control and freedom
Consistency and standards
Error prevention
Recognition rather than recall
Flexibility and efficiency of use
Aesthetic and minimalist design
Help users recognize, diagnose, and recover
from errors
Help and documentation
Severity Ratings

Topic8_Usability Testing:

Usability Testing
Thinking Aloud Method
Controlled Laboratory Experiment
Hypothesis/Null-Hypothesis
Independent and Dependent Variables
Participants
Between-Subject Design
Within-Subject Design
Field Study
Survey
Focus Group