





	164200 Human Computer Interestion		
	184500– Human-Computer Interaction		
	[Syllabus] [Schedule] [Homework] [Projects] [Resources] [Directory]		
	Schedule		
Date	e Topics & Readings	Assignments	
		Due	Start
9/5 Ove	erview of HCI and course. Getting started on projects.		<u>11,P1</u>
9/9 HCI	I development process (Dix Ch 6). Critical Analysis of UIs (Dix Ch 7)		<u>12</u>
9/12 Hun	mans (Dix Ch 1). Team project brainstorming.	I1	
9/16 Con	mputers (skim Dix Ch 2). Doing observational studies, Fetterman; Example 1; Example 2).	12	<u>13</u>
9/19 Inte	eraction (Dix Ch 3-4).	P1a	
9/23 Req	quirements analysis: Users & Tasks (Dix Ch 13 & 15), Scenarios (Rosson part of Ch 2), Intro to Usability.	P1b	<u>P2</u>
9/26 GUI	I Software Architecture (Dix Ch 8). [Intro to Java Swing (1st three)]	13	<u>14</u>

































## Nielsen's Heuristics 4. Consistency

- Principle of Least Surprise
  - Similar things should look and act similar
  - Different things should look different
- Other properties
  - Size, location, color, wording, ordering, ...
- Command/argument order
  - Prefix vs. postfix
- Follow platform standards
- Kinds of Consistency
  - Internal
  - External
  - Metaphorical









- Be precise; restate user's input
  - Not "Cannot open file", but "Cannot open file named paper.doc"
- Give constructive help
  - why error occurred and how to fix it
- Be polite and non-blaming
  - Not "fatal error", not "illegal"
- Hide technical details (stack trace) until requested



## Nielsen's Heuristics 10. Help and Documentation

- Model
  - 1. Searching
  - 2. Understanding
  - 3. Applying
- Important features
  - Index
  - Overview map
  - Help visible while user is applying
  - Describe confirmatory feedback







Exan	nple 1	
	Select an award style	
	Select an award style using the scroll bar. When you've found a style that suits you, press OKAY to create that award and open the editor.	































## Visibility

- aka "Obviousness"
- The correct parts must be visible.
- They must convey the correct message.
- Impacts learnability.
- How different from affordance?
- Examples?



















