



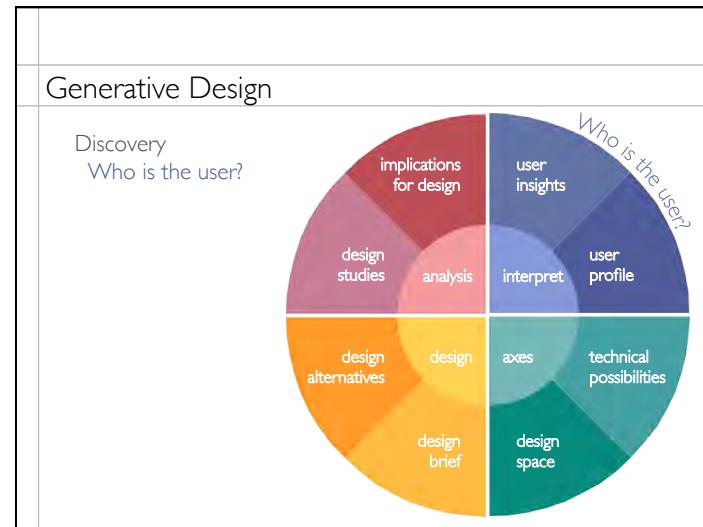
HCI Bootcamp Schedule				
Building: SupeLec building				
Monday	Tuesday	Wednesday	Thursday	Friday
Interpret users 28 Oct 9 ³⁰ - 16 ³⁰	Explore Ideas 29 Oct 9 ³⁰ - 16 ³⁰	Interview exercise 11 Sep	Video Prototype 1 30 Oct 9 ³⁰ - 16 ³⁰	Redesign: Prototype 2 31 Oct 9 ³⁰ - 16 ³⁰
Final presentation 4 Nov 13 ³⁰ - 17 ³⁰		Video Prototype 1 30 Oct 9 ³⁰ - 16 ³⁰	Holiday 1 Nov	

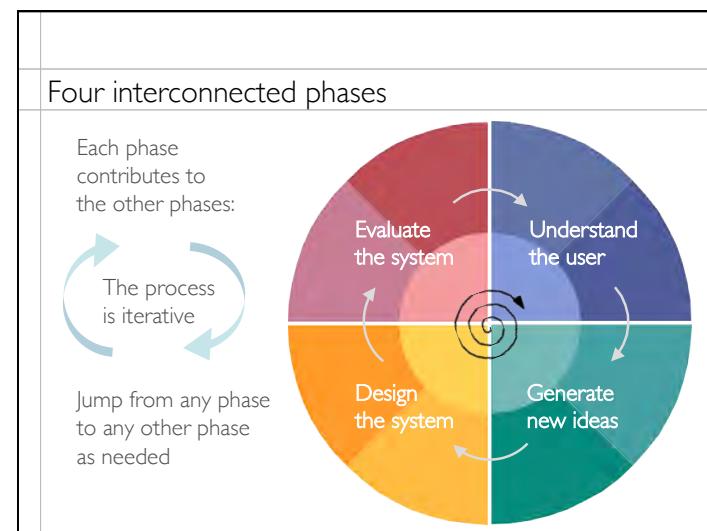
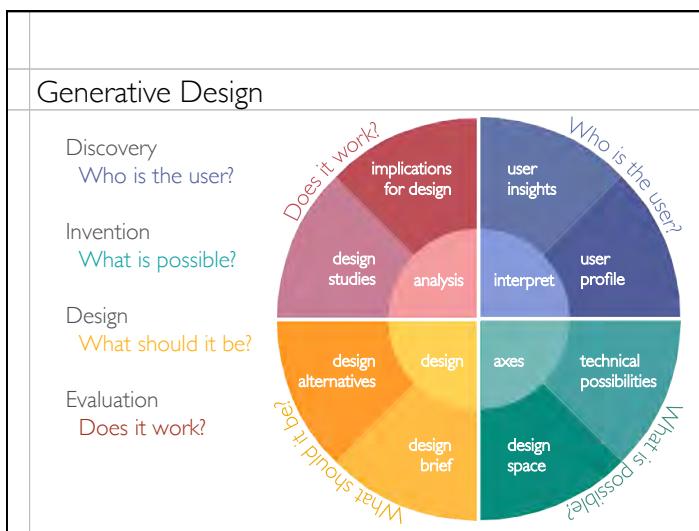
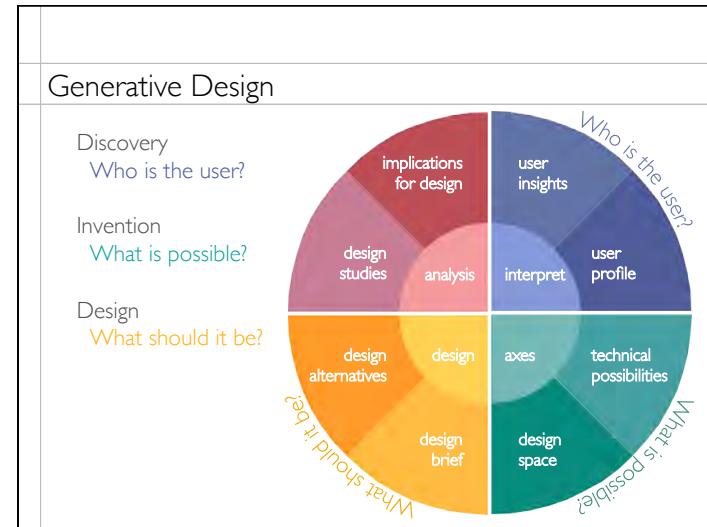
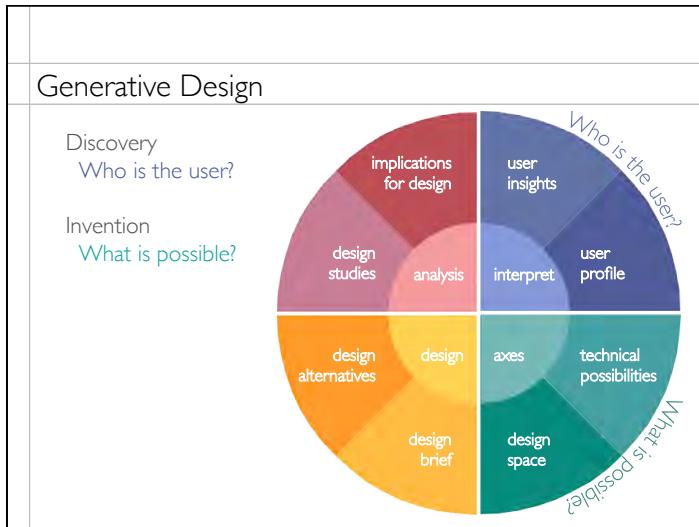
HCI Bootcamp: one <i>intense</i> week!!	
Lectures	(in class) Present fundamentals & principles from different disciplines Relate design activities to each other - complete design process
Design activities	(in class or at home) Individual <i>and</i> group Each exercise builds upon previous results
Project	(in class and at home) Groups of 4 Goal: produce a <u>grounded</u> video prototype

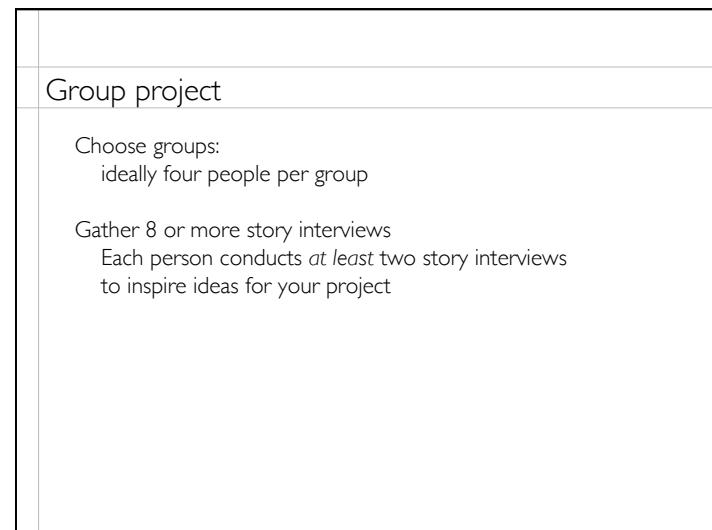
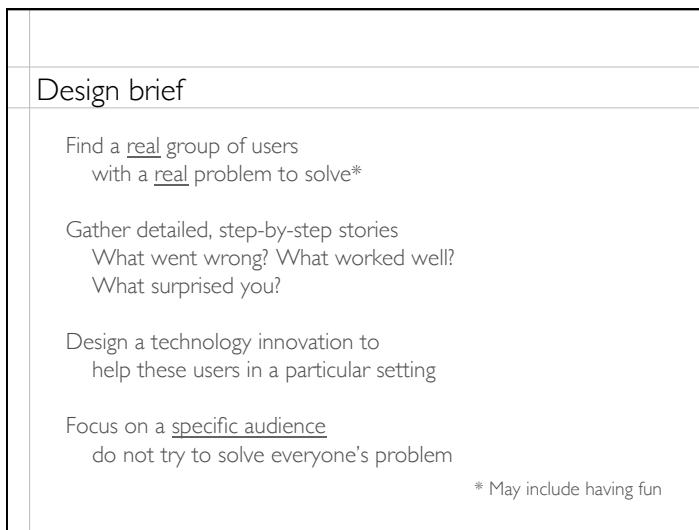
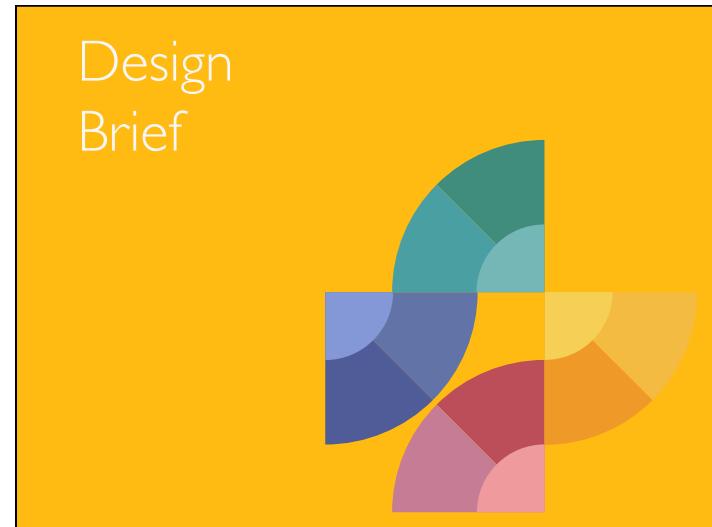
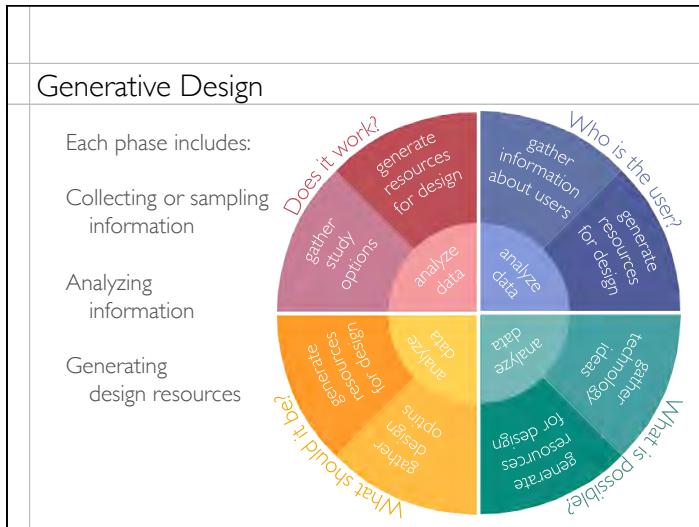
Who is who?	
Wendy Mackay Research Director	mackay@iri.fr professor
Yi Zhang Ph.D. student	Zhang@iri.fr teaching assistant
Tong Xue Ph.D. student	tong.xue@u-psud.fr teaching assistant

HCI Bootcamp project	
Create a video prototype of a redesigned interactive map	Meet the needs of <i>real users in a real setting</i>
Work in groups of 3 or 4 people	
<u>Attendance is critical!</u>	
Grades:	
Individual: in-class participation and some design activities	
Group: most design activities	
final presentation of video prototype	
final poster	

2 Story interviews due: Wednesday, 25 September	
Individual activity:	
Story interview with two (or more) people	
Generate (at least) two real, detailed stories	
Feedback: If you submit your interviews on time,	
you can revise them to make sure they are right	
Important!	
Good interviews:	inspire innovative ideas
Poor interviews:	you won't do well...





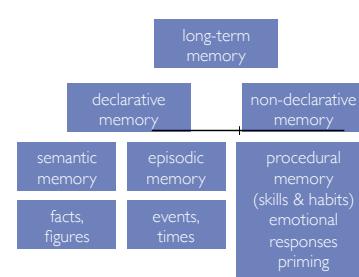


Design Brief: Map Redesign
<p>This year's design challenge: Redesign a Map application (Google Maps or ...?) using principles of instrumental interaction</p> <p>Find examples of real user needs when using a map app on a phone</p> <p>Create a new design that addresses a real problem and illustrate with a video prototype</p> <p>Redesign the app using principles of instrumental interaction</p>

Story Interviews



How to ask questions
<p>The form of the question provides the form of the response</p> <p>If you want specific, real answers, you <i>must</i> ask the questions correctly</p> <p>If not, you will get vague general answers that provide little help with design</p> <p>Careful! This is <i>not</i> a marketing interview Your goal is to better understand users to design a better system</p>

On memory
<p>Long-term memory is organized into two major categories</p> <ul style="list-style-type: none"> declarative non-declarative <p>Declarative memory</p> <ul style="list-style-type: none"> semantic memory including facts & figures episodic memory including events, times <p>Non-declarative memory</p> <ul style="list-style-type: none"> procedural memory including skills & habits emotional responses can be primed 

When we interview

We can ask for:

Descriptions

What is this <technology>?

Explanations

How does this <technology> work?

Stories

What happened to those people when they used this <technology>?

Conversations

What did those people communicate to each other?

Types of Interviews

Story interviews

Best for design

Elicit real stories that include user context, breakdowns, work arounds and user innovations

Tutorial interviews

Lacks breakdowns

Describe how it is supposed to work, not how it actually works

Opinion interview

Lacks detail

Provide evidence of 'pain points' but little help for design

How to ask questions

Your goal is to understand users in context to design a better system

Good design interviews provide concrete, specific stories include context emphasize breakdowns

NOT market surveys
NOT explanations of how it is *supposed* to work

Story Interviews

Three main types:

Critical object

Critical incident

Recent event

Example: Asking questions about email

Bad question:
How do you manage your email?

Good question:
Tell me about the last time you looked for a particular message.

Why did you need it?
Why couldn't you find it?
What did you do first?
Then what happened?

Interview question examples

Critical Incident question:
Can you think of a time in the past few days when you tried to find a particular email message?
What steps did you go through to find it, step by step?

Critical object question:
Do you have a message that is currently in draft form, that you have not sent?
Please walk through the steps you took to create it and explain why it has not been sent?

Recent event:
Please walk through the process you went through to read your email this morning.

Choose questions that support design

Question order matters!!!

First particular then general	particular, concrete
First concrete then abstract	recent event critical object specific time critical incident bright spot
First directed then open-ended	background classification Likert scale multiple choice daily use
First facts then opinions	open

specific opinion
short answer
elaboration

general opinion
recommendations
speculation

general, abstract

Interview Exercise individual: 15-20 min per interview

Goal: Find a story about a recent, memorable event using a map application to solve a problem

Story interview
Ask critical object and/or critical incident questions to gather stories about recent, memorable uses of a map app on a phone

Take notes: Record your questions, their answers
Include questions to probe for more information

Convert key incidents into interaction points

Remember

The form of the question provides the form of the response

If you want specific, detailed answers,
ALWAYS start with a SPECIFIC, RECENT question
NEVER START WITH A GENERAL QUESTION

Avoid yes/no questions or short answers

PROBE for details: What happened next
Get them to TELL YOU THE STORY

Red flags:

If you hear these, change the interview!

Usually ...
Sometimes ...
Normally ...
When I do this, ...

YOU NEED TO SAVE THE INTERVIEW!!

Probe for a specific story,
NOT how they usually do things

Important!!

Good interviews that find real, surprising stories will

- make this course interesting and fun
- produce innovative ideas
- help you really learn and understand these techniques

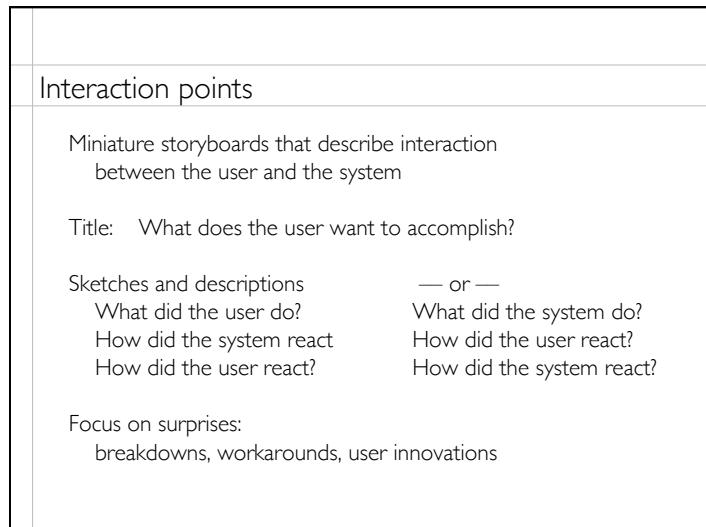
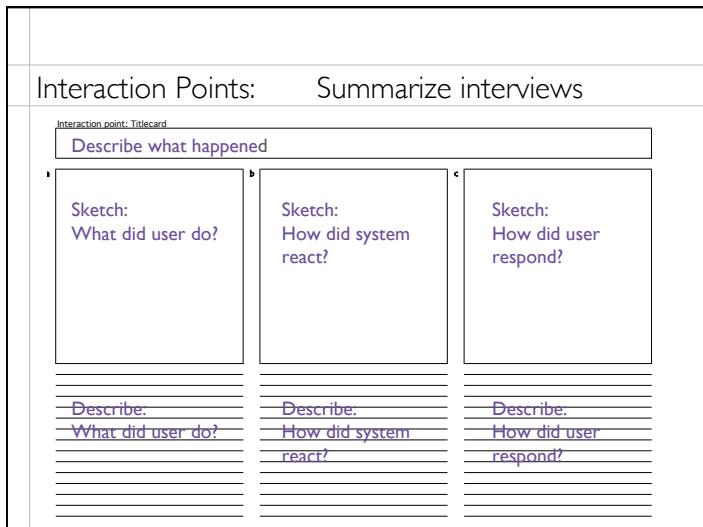
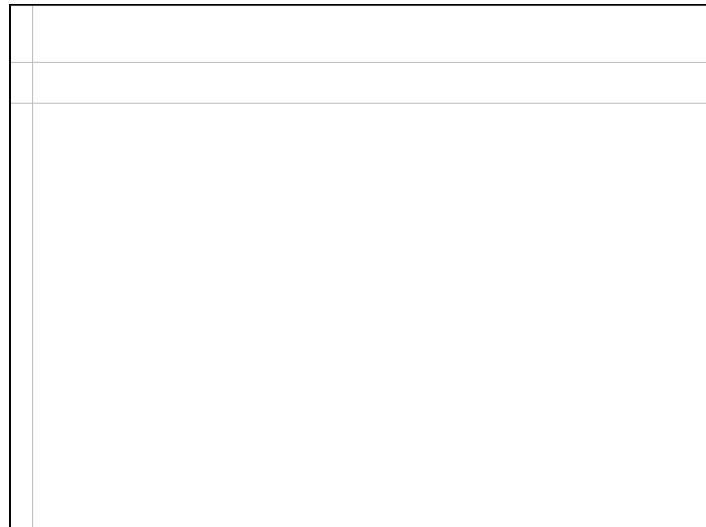
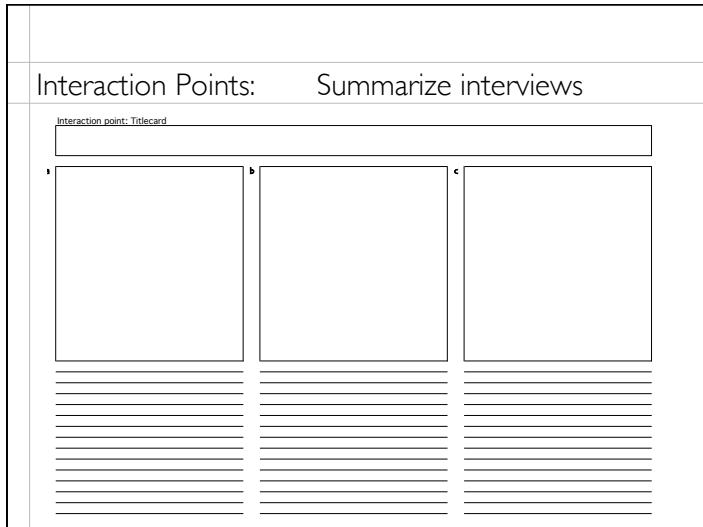
Poor interviews that result in explanations will

- make this course frustrating
- produce boring, useless ideas
- not teach you much

THIS IS THE MOST IMPORTANT SKILL OF THE CLASS!!!

Interaction points





Homework Exercise: Story Interviews

Due: Wednesday, 25 Setpember
to: zhang@iri.fr, mackay@iri.fr
subject: HCI Bootcamp Ex#1: Story Interviews

For each interview:

Your name	Date, time & setting of interview
Interview topic	Interviewee information (job, age, sex)
Your questions	Their responses
Probing questions	Surprising answers

Bring paper copies of the interviews to class on Monday.

2 Story Interviews:

due September 25