



OVERVIEW

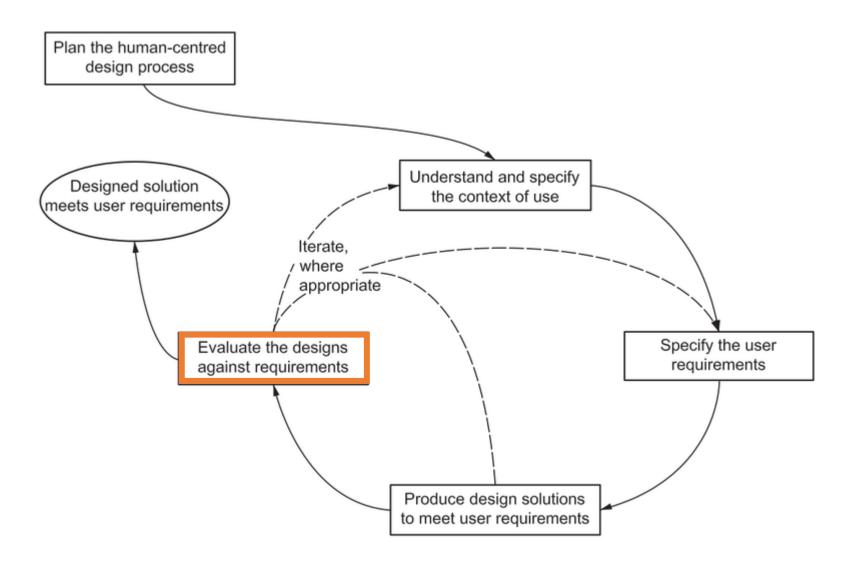
- Motivation
- Demo Test
- Recommendations
- Literature





USABILITY: PROCESS



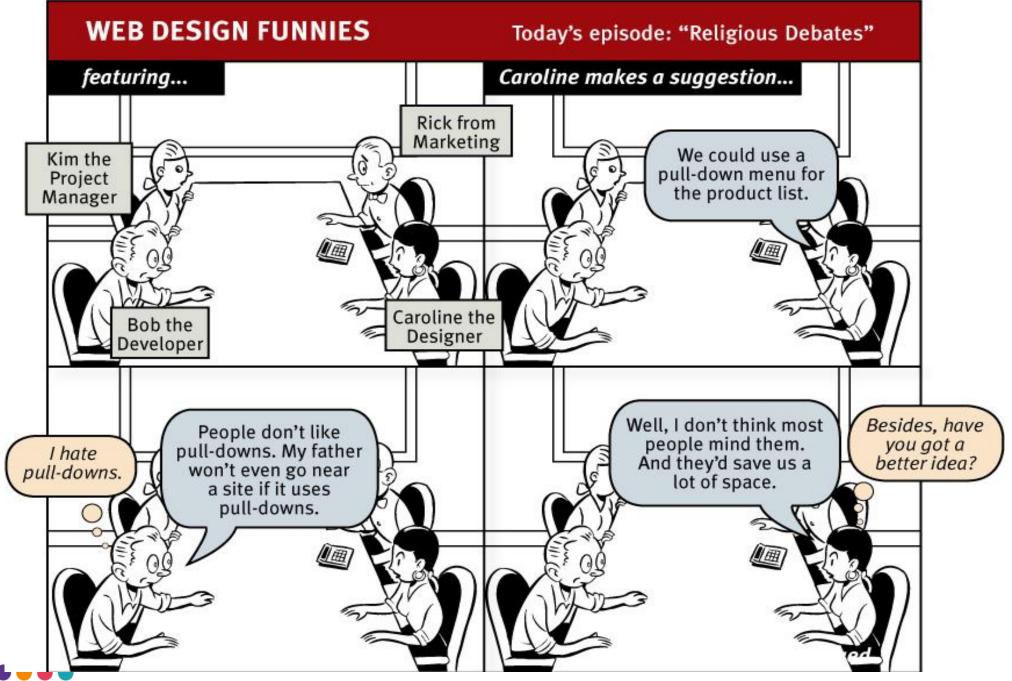






Why Usability Testing?







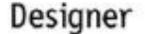


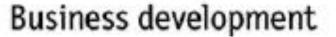
CEO



Developer









USABILITY TESTING: INTRO

- Not all people are the same in fact, most are different
- Focus groups are not usability tests
- Better to have one test than none Why? Because tests always work!
- Better to have a test at the beginning than 50 at the end

DEMO USABILITY TEST

https://www.youtube.com/watch?v=QcklzHC99Xc





USABILITY TESTING

- "Definition": In a usability test, you observe a single user as they attempt to solve a typical task (either on a website, a prototype, or the designs of a new product) in order to identify and address issues that confuse or frustrate them.
- Qualitative vs. quantitative
- Most severe problems are easy to find
- Usability tests provide insights into why users do certain things



USABILITY TESTING

- A morning a month, that's all we ask (Agile: every two weeks)
- Start earlier than you think makes sense
 - No need for a functional product
 - Napkin test
- Recruit loosely and grade on a curve
 - Representativeness is not crucial
 - Three per session



UT: TASKS → SCENARIOS

- Selecting tasks
 - Important!
 - Represent actual user goals
 - Quantity/length can vary (one to ten; max. 35 minutes)
- Developing (UT) scenarios:
 - Provide tasks with details and context, as necessary
 - From the perspective of a persona, as necessary
 - Use user vocabulary
 - Print: one scenario per A5 page
- Pilot test



UT: PHASES

- Introduction 4 min
- Questions 2 min
- "Home Page Tour" 3 min
- Tasks & Scenarios 35 min
- Tips:
 - If you don't know what the user is thinking, ask
 - Encourage participants to think aloud (Thinking Aloud)
 - Remain neutral
 - Participants should not be in a worse condition after the test than before

USABILITY TESTING: VARIANTS

Classic:

- Usability lab with observation room
- Many & representative participants
- Cost: \$20,000 \$50,000

Discount Usability Testing:

- No need for a lab
- Fewer participants are sufficient
- Cost: \$5,000 \$10,000
- Alternative: Do-it-yourself UT

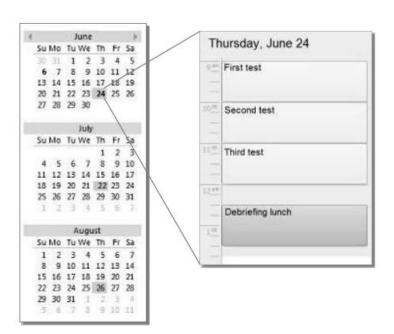


UT.: CLASSIC VS. DIY

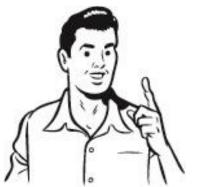
	Classic or Discount	DIY
Time Investment	1-2 days for testing, reporting, presentation, further planning	One morning per month with subsequent debriefing
When	Towards the end of development	Continuously
Iterations	One iteration per project	Once per month
Participants	Approx. eight	Three
Participant Selection	Target group	Relatively arbitrary
Where	Off-site, Usability Lab	On-Site
Observers	Few observers due to duration	Short duration → many observers
Reports	20-50 pages	Short email
Analysis	Experimenter	Development team plus stakeholders
Purpose	Identify as many problems as possible	Identify the most critical problems
Cost	\$ 5 – 10.000	\$ 100 - 300



Half a day every month







Start earlier than you think is necessary

Usability Testing Checklists

Thr	ee weeks before
	Figure out what you're going to be testing (site, wireframes, prototype, etc.)
	Create your list of tasks to test
	Decide what kind(s) of users you want to test with
	"Advertise" for participants
	Book a test room for the entire morning with Internet access, table or desk and two chairs, and speakerphone
	Find a place near the test room for participants to sit and wait when they arrive
	Book an observation room for the entire morning with Internet access, table and enough chairs for observers, speakerphone, and projector and screen (or plan to bring a projector or large mounter)
	Book the observation room or a similar-size room for the debriefing lunch
Two	o weeks before
	Get feedback on your list of tasks from the project team and stakeholders
	Arrange incentives for participants (e.g., order gift certificates, requisition cash)
	Start screening participants and scheduling them into time slots
	Send "save the date" email inviting team members and stakeholders to attend
One	e week before
	Send email to the participants with directions, parking instructions, location of the test room, name and phone number of someone to call on the test day if they're late or lost, and the non-disclosure agreement if would be not call on the call of the call o

☐ Line up a stand-by participant in case of a no-show

and screen sharing software

☐ If this is your first round of testing, install and test the screen recording





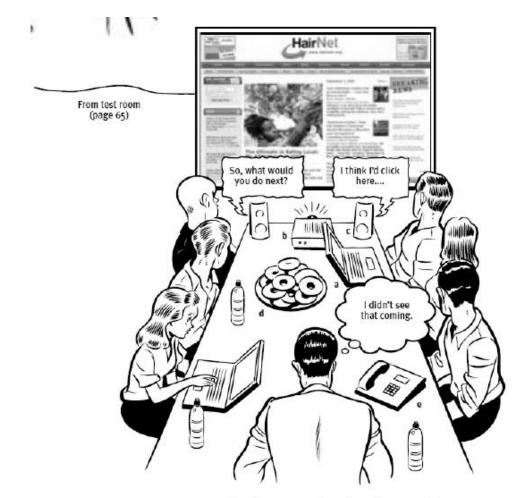
Recruit loosely and grade on a curve.







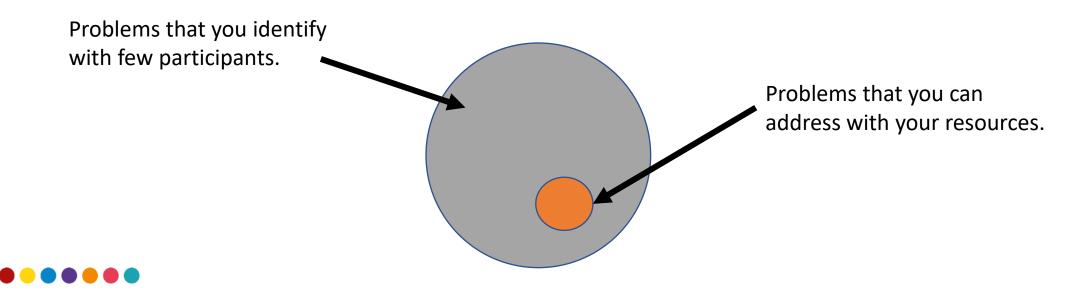
Make it a spectator sport.





PROBLEM: IT WORKS!

- Usability testing identifies many problems in a short amount of time.
- You discover more problems per day than can be fixed in a month.





Focus on a small number of important problems.

Top Three Usability Problems

After each test session, list the three most serious usability problems you noticed.





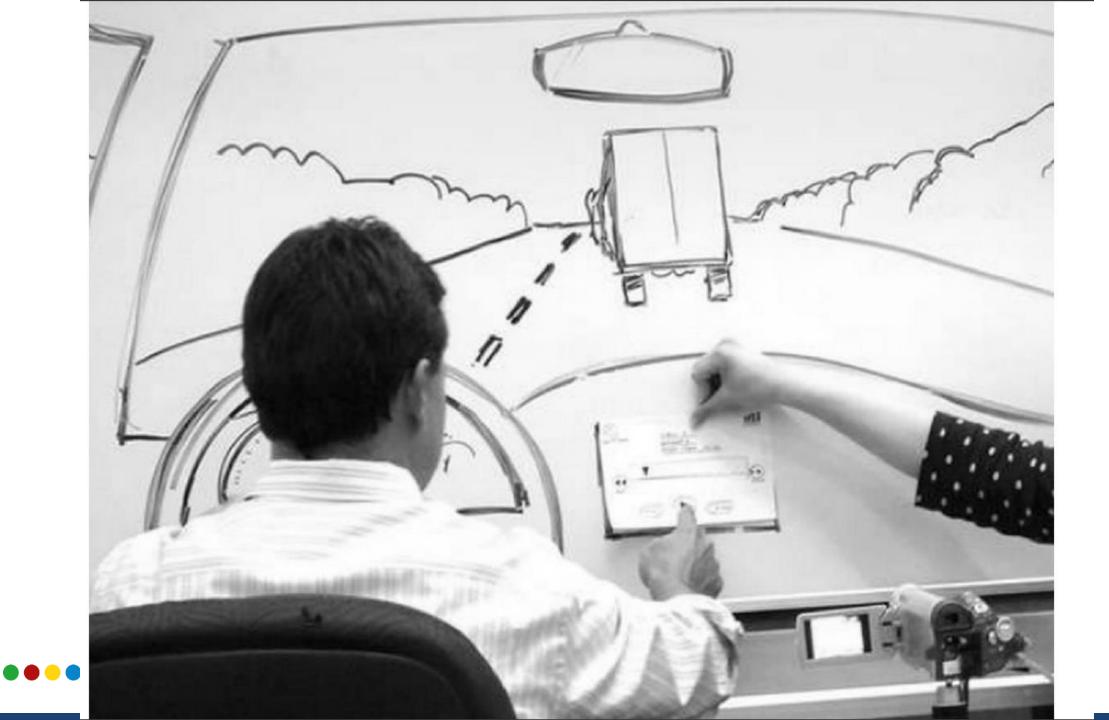
When fixing problems, do no more than necessary.



MOBILE USABILITY TESTING







THE TOP FIVE PLAUSIBLE EXCUSES FOR NOT TESTING

"We don't have the time"	Simplify testing as much as possible No additional to-dos for all involved Time savings through shortened discussions
"We don't have the money."	Do-it-yourself tests are cost-effective, especially when participants are recruited on their own
"We don't have the expertise."	Every test produces usable results. It's not rocket surgery
"We don't have a usability lab."	We don't need it! - Room with desk, chairs, computer plus observation room with monitor
"We wouldn't know how to interpret the results."	The most important lessons are obvious. The most serious problems are hard to overlook.



The how-to companion to the bestselling Don't Make Me Think!

A Common Sense Approach to Web Usability

ROCKET SURGERY MADE MADE MADE MADE MASY

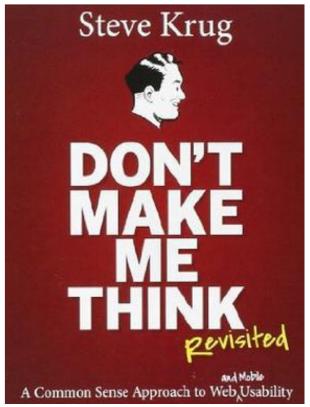
The Do-It-Yourself Guide to Finding and Fixing Usability Problems

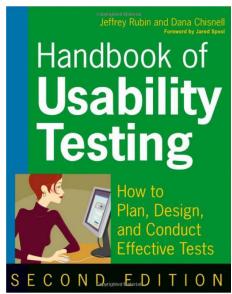




Foreword by Steve Krug, author of Don't Make Me Think!

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EXERCISE: USABILITY ENGINEERING

- •Option 1: Design the user interface of an **alarm clock** (which can also be an app).
- •Option 2: Design the user interface of an **answering machine** (which can also be an app).
- Option 3: Design the user interface of an app that allows you to track and assess the fuel consumption of your car.
- Option 4: Any other app with similar complexity



EXERCISE: USABILITY TESTS

- 1. Create plausible scenarios
- 2. Create a usability test plan an justify your decisions

