

Farnaz Jahanbakhsh



Logistics

- Students enrolled from the waitlist will receive deadline extensions.
- Assignment 0 (Individual) due tomorrow, Wednesday at 5PM. Assignment 0 (Group) due next week.
- There is a required reading for next lecture. Read only Chapter 2!
- Quiz 2 assigned on Thursday and due Friday.

Learning goals

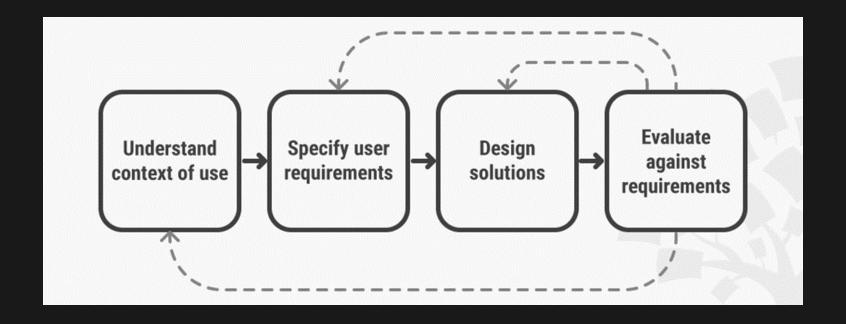
Define context of use.

Define factors that impact context of use.

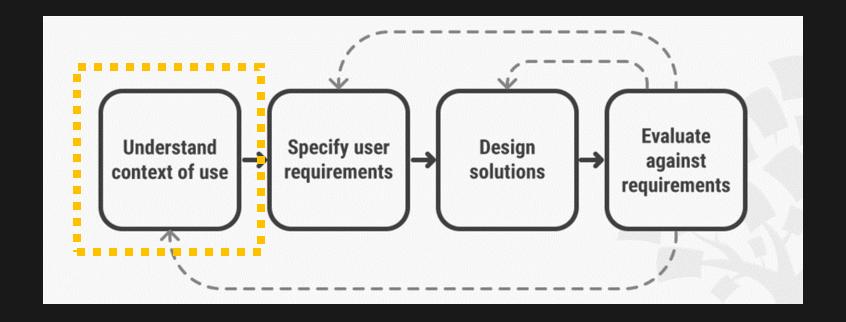
Define tasks and goals.

Learn about context of use from an example

User-Centered Design Process



User-Centered Design Process



What is context of use?

What is context of use?

"Environment within which the interaction is situated."

What factors make up context of use?

	t are some of the factors that make up a context of use? Select
all tr	nat apply.
	Human factors
	Technological factors
	Natural factors
	Socio-economic factors
	Cultural factors
	Political factors
	Other (be ready to tell us what they are)

You have 120 seconds...

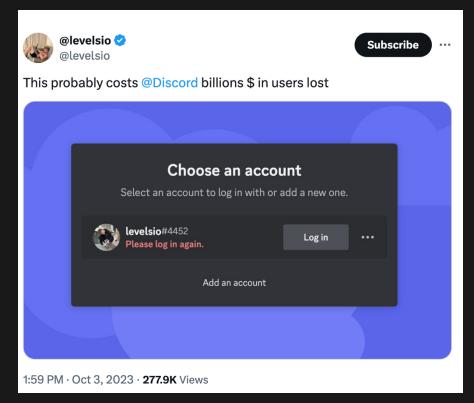
Human factors (including human ability)

- Human factors (including human ability)
- Technological factors

- Human factors (including human ability)
- Technological factors
- Natural factors



- Human factors (including human ability)
- Technological factors
- Natural factors
- Socio-economic factors



- Human factors (including human ability)
- Technological factors
- Natural factors
- Socio-economic factors
- Cultural factors

- Human factors (including human ability)
- Technological factors
- Natural factors
- Socio-economic factors
- Cultural factors
- Political factors



- Human factors (including human ability)
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- Political factors

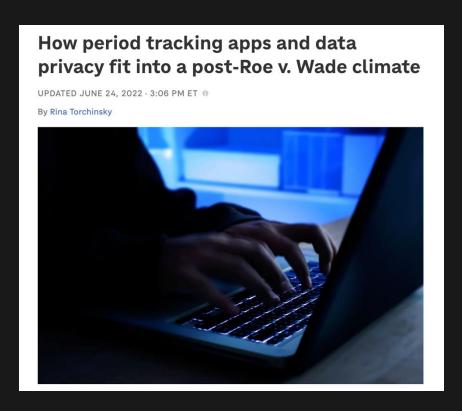
Supreme Court overturns Roe v. Wade, ending right to abortion upheld for decades

UPDATED JUNE 24, 2022 · 10:43 AM ET 10

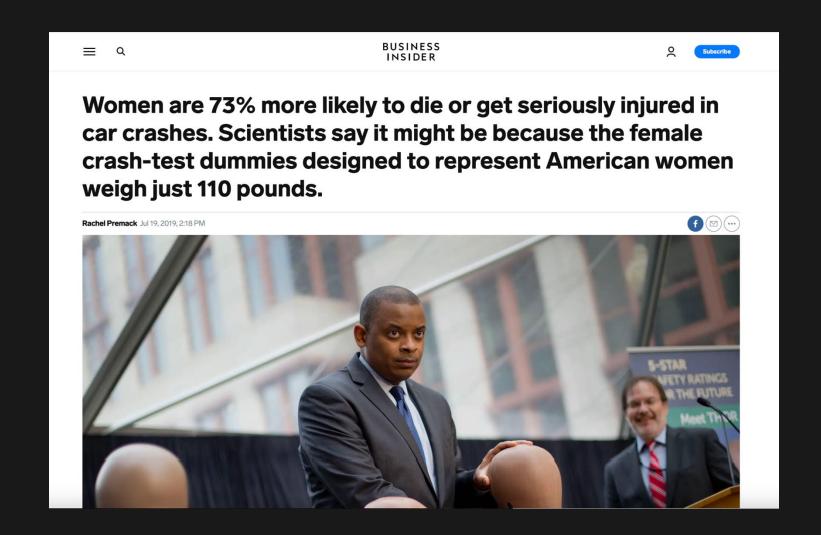
HEARD ON ALL THINGS CONSIDERED

By Nina Totenberg, Sarah McCammon

- Human factors (including human ability)
- Technological factors
- Natural factors
- Socio-economic factors
- Cultural factors
- Political factors

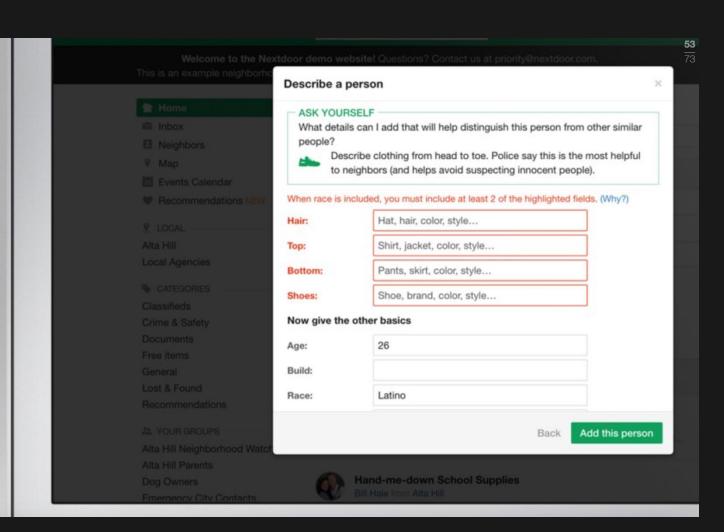


When these factors are missed

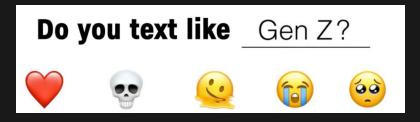


When these factors are missed

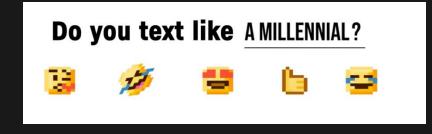
Nextdoor reduced racial profiling by 75% with good UI (re)design

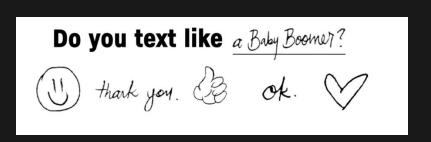


What factors are relevant?



Do you text like <u>Gen X?</u> ;P -_(ツ)_/- :-(〈3 (^_^)





Sneak peak into what comes later

There will be trade-offs between solutions along these factors.

Interaction is purposeful (more often than not)

Interaction supports completion of tasks that users perform to accomplish their goals.

Goals vs. Tasks

Goals are different from tasks. Select all that apply (hint: there could me more than one correct answer).

Goals are people's desired states.

Goals are behaviors that people perform to accomplish their tasks.

Tasks are people's desired states.

Tasks are behaviors that people perform to accomplish their goals.

You have 120 seconds...

What are goals?

"Goals represent desired states."

What are tasks?

"Tasks represent behaviors that people attempt in order to reach their goals."

Example: texting a friend

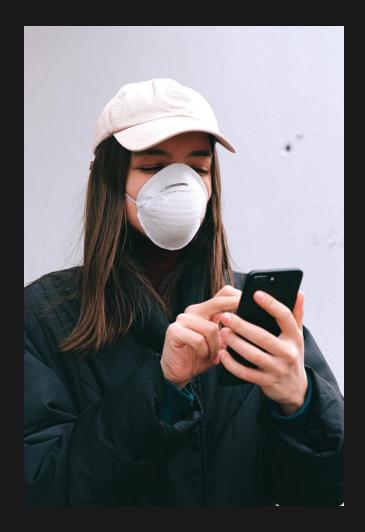


Example: texting a friend



What are their goals?

Example: texting a friend



What tasks do they perform to reach those goals?

Goals vs Tasks

Goals seem to be more immanent; tasks more transient.

Consider the following scenario

It is 7PM on a Tuesday. You are observing a person using their phone to hail an Uber on a busy Lower East Side street in New York City right next to a busy bus stop. Time of arrival for an Uber is 13 minutes. The person hurries to confirm the booking and quickly places the phone back in their backpack. They put their gloves back on. Their friend arrives shortly after and they greet. They chat for a little while, and an Uber car arrives. They greet the driver, then both enter and depart in it towards a restaurant.

Vhat are some of the possible (sub)goals that the user might have?
Select all that apply.
Find transportation
Have dinner with a friend
Use the Uber app to hail a car
Stay warm
Put their phone in their backpack
Press on the Uber icon on their phone
Enter an Uber

You have 120 seconds...

Who are Uber's end-users in this scenario? Select all that apply.
The Uber driver
The person who hailed an Uber
The friend of the person who hailed an Uber
The owner of the restaurant where the two friends are going.
People waiting at the bus stop.

You have 120 seconds...

Who	o are different stakeholders in this scenario? Select all that
app	oly.
	The Uber driver
	The person who hailed an Uber
	The friend of the person who hailed an Uber
	The owner of the restaurant where the two friends are going.
	People waiting at the bus stop.

You have 120 seconds...

You have 120 seconds...

What are some of the types of factors that influence the user's choice to call an Uber? Select all that apply.
Human factors
Technological factors
Natural factors
Socio-economic factors
Cultural factors
Political factors
Other (be ready to tell us what they are)

What are some of the types of factors that influence availability
of Uber services in the city? Select all that apply.
Human factors
Technological factors
☐ Natural factors
Socio-economic factors
Cultural factors
Political factors
Other (be ready to tell us what they are)

You have 120 seconds...

Interactive computer technology is not "neutral"

Questions, comments, and/or concerns?

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