

Lec 15

Interfaces

Interface Types, Natural User Interfaces, Choosing an Interface

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Talking Shoes

Let's build an app



Let's build a app



<https://www.youtube.com/watch?v=yQ4L7zCTG-M>

What is an interface?



interface

/ˈɪntəfeɪs/

noun

1. a point where two systems, subjects, organizations, etc. meet and interact.
"the **interface** between accountancy and the law"
2. **COMPUTING**
a device or program enabling a user to communicate with a computer.
"a graphical user interface"

**User interfaces are the access points where users
interact with designs**

Interaction-Design Foundation

	Input			Output		
device	microphone kb scanner		touch screen printer			
software	forms camera apps		word/excel notes	media players		
modality	voice	text	sight	gesturse	odor	touch

Design an interface of a digital system that

**Helps people
keep track of
their tasks**

Using one of the following interfaces

Command-line

~~GUI~~

Multimedia

VR

~~Website~~

~~Mobile Device~~

Appliance

Voice

Smart Pen

~~Touchscreen~~

Touchless

Haptic

Multimodal

Sharable

Tangible

AR

Wearables

Robots & Drones

Brain-Computer

Shape Changing

Holographic