C1955 6: 17 Sep

Design of components of Interactive systems



AKW 123 CEID

, dev tation parts

\_o closet storage space

2nd module: input

## Roles

· not all software is uneated to solve a problem · e.g. games

. Arist /creator

. they push the limits of your system to achieve expression and nevel possibilities

e.g. John Cage prepared piano extended technique playing piano from the "inside"

push boundaries as naive explorers of your system.

people can violate explanate expectations.

Example: kinect detect motion -> swins of eta color on sucen

- Rou scaboard



intenfaces can be completed designed for experts

e.g. Mimu glove prototype.

Maso Imagen heap

Mistoricalation -> accelerometer happing feedback buffons } LEDS

instruments to create many pieces us. an instrument that is its own piece.

Inputs

- buttons

- joysticks

Hardware \_\_\_\_\_ Ardvino/ \_\_\_\_ Raspherry Pi input micro controller ESP32

Get double pole saitches if you can.

SPOT single than

ESP32 ADC for Ras perry pi

Debouncing · switches physically bounce - Use 3.34 LEDS not 5V - Don't put SU into BP10 pin lask 1 mo mentagy button + spot switch + jaystick & use all Kuree Task 2 multiplayor device 3 ways to break system 1 interaction mades <sup>2</sup> Physical forms 3 humber of user autto speaker Screen Becton