

HCI Studio

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Aufgabenstellung

- ▶ Think about 3 Ideas about alternative interaction konzepts regarding the steering wheel of a car.
- ▶ Touch the sound (Speak with the sound)
- ▶ Think reverse
- ▶ Tune your car
- ▶ Rat race

Touch the sound

- ▶ Interface:
 - ▶ Touch interface on the front side of the steering wheel



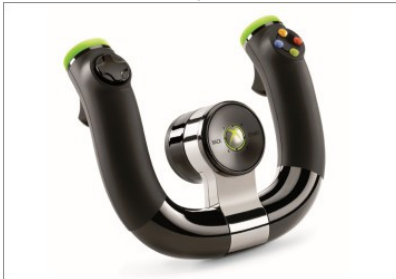
<http://blog.audi.de/>

Touch the sound

- ▶ Functionality:
 - ▶ Control and interact with the radio with different signs on the touch screen
 - ▶ For example letters or digits
- ▶ Speak with the sound:
 - ▶ Alternatively someone can also control the radio by simple voice control

Think reverse

- ▶ Interface:
 - ▶ Yoke like on a airplane



<http://www.xboxaktuell.de/>

Think reverse

- ▶ Interface:
 - ▶ Two pedals like in a car



<http://www.consumerreports.org/>

Think reverse

- ▶ Functionality:
 - ▶ Control the speed of the car by pushing and pulling the yoke
 - ▶ push → accelerate
 - ▶ pull → slow down / break
 - ▶ Control the direction of the car by stepping on the left or right pedal
 - ▶ left pedal → turn left
 - ▶ right pedal → turn right

Tune your car

- ▶ Interface:
 - ▶ Interface elements from a DJ console
 - ▶ buttons
 - ▶ slide-controls, ...



<http://dejavu.am>

Tune your car

- ▶ Functionality:
 - ▶ Control the speed of the car with a horizontal slide-control
 - ▶ Control the direction of the car with a vertical slide-control
 - ▶ Control a lot of other elements like turning lights and wipers by buttons and switches

Rat race

- ▶ Interface:
 - ▶ Idea: rat race wheel for hamsters



<http://www.inboundsales.net/>

Rat race

- ▶ Interface:
 - ▶ Solution: Walking Ball to be able to run in all possible directions



<http://inflatable.china-direct-buy.com/>

Rat race

- ▶ Functionality:
 - ▶ Control the speed by simply running faster
 - ▶ Control the direction by simply aiming to this direction
 - ▶ Drive backwards by running backwards
 - ▶ ...

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