

Computer Hardware:

Portable Watch

Design Thinking

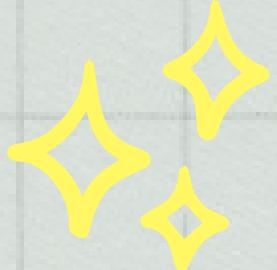
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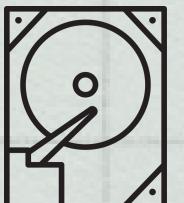
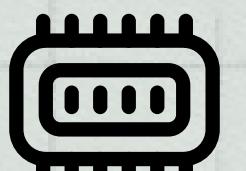
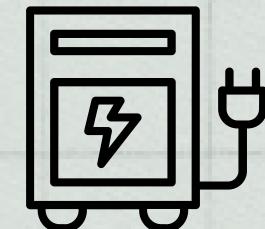
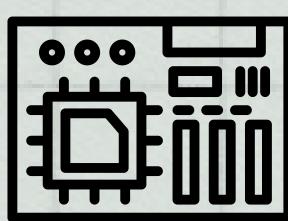
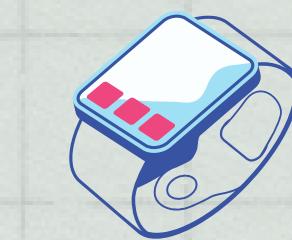
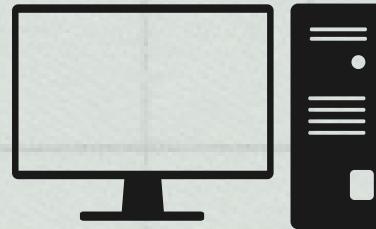
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Introduction

What is computer hardware ?

A device where transmission of data occurs when the receiver is able to accept any data that has been input by the sender.



internal hardware

- Charles Babbage, the founder of the computer in the 19th century



usage of computers



working purpose



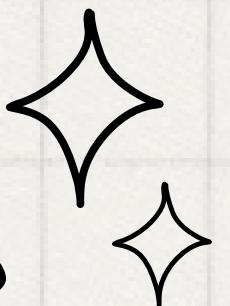
online education

Observe

- Around the faculty of computing.
- In our class.

01

Empathize



Immerse

- Bring our laptop to class for a few days.

Engage

- Interview students from FC and also from other faculty.

Questions Asked :

- “Do you have any problem when you are using your laptop?”
- “What devices do you prefer to use to read your notes or do exercise?”
- “Do you bring your laptop to the class every day?”
- “Have any of your classmates brought laptops to the class every day?”
- “If not, do you bring any device to use in class?”

02

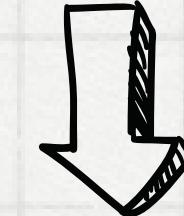
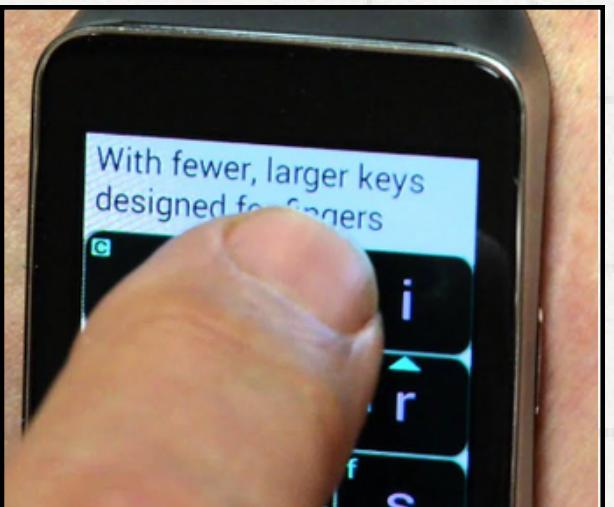
Define

Reduce the size and weight of the component of the computer to smaller in size and lighter in weight.



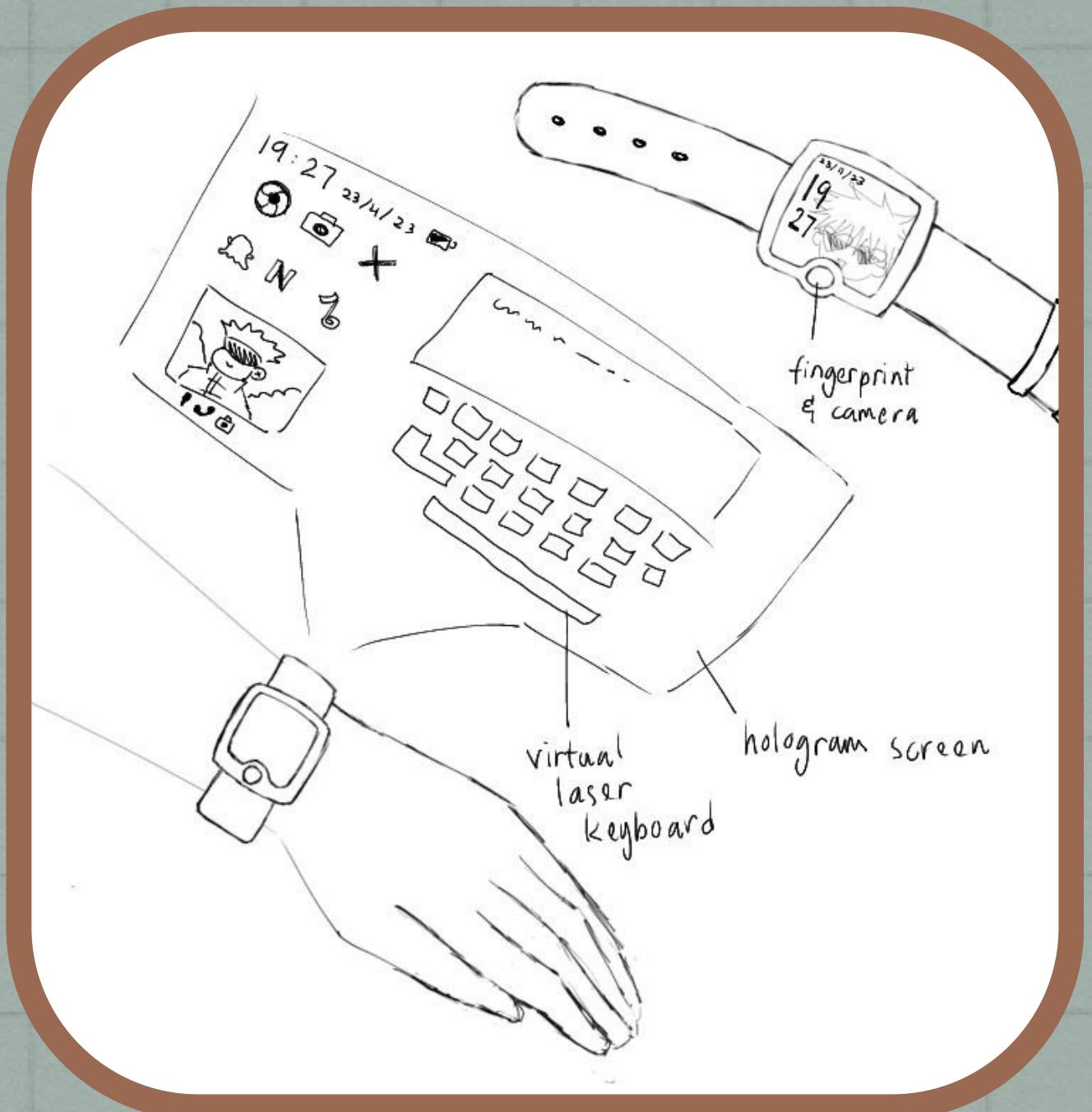
03

Ideate



Prototype

- The size of this computer watch is compact and lightweight. Users can bring this tiny sized computer everywhere easily without struggling.
- This watch-sized computer will be able to project a bigger keyboard and screen using light that is sensitive to touch.
- This projectile keyboard and screen can make it easier for the user to input their commands into the computer without struggling to touch the small screen



— Test —

- After some reservation of our prototype, we discover some improvement that can be made in order to produce a better product.
- We can add a tracker device inside this watch-sized computer to avoid it from getting lost.
- In addition, we can add biometric authentication systems such as retina scans. This can secure device's security better and protect users' privacy from being exposed.





**Thank
you!**

By Group 7