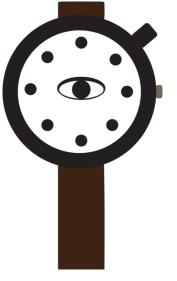


Watch the Table

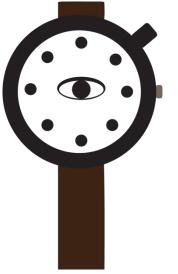
Gerry Alvarez Meisi Huang Mengyao Zhao Sangwoo In

HCI/d, Indiana University Bloomington



The Design Concept

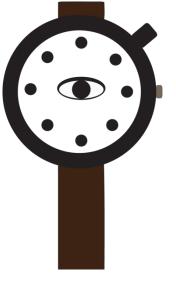
A portable place mat and a "watch" that can help blind people to more easily locate items on a table while eating outside of the home.



The Design Concept

A portable place mat and "watch" that can help blind people to more easily locate items on a table while eating outside of the home.

Why this design?

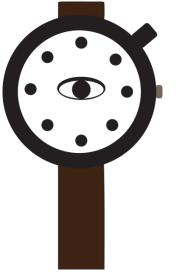


Location, Location, Location

"Location is often a problem when dining out.

At home, eating is much easier so long as items are left in the **same place**."

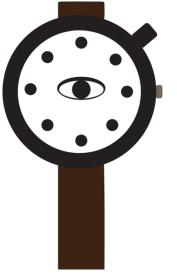
- Blind interviewee



Location, Location, Location

"The saying 'a place for everything and everything in its place' applies when it comes to organizing a dining table. Set your table the same way each time and encourage others to do the same."

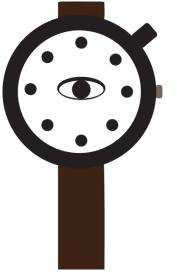
- VisionAustralia.org



Help Me Help You

"Sometimes **wait staff** will not announce when they set stuff like water in front of me. Sometimes it takes some searching or **a friend** saying, "BTW, did you know they brought that?" in order for me to figure it out.

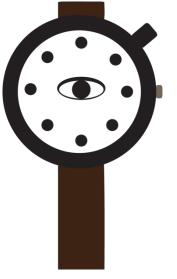
- Blind Interviewee



Help Me Help You

"Sometimes **condiment containers feel similar**, so it is up to me to ask a sighted person if I am with them or test it by dabbing a bit on the plate in order to determine what it is."

- Blind Interviewee

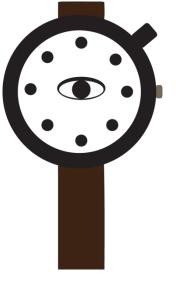


Time is of the Essence

"One way to tell what food is on your plate is to use the **clock reference system**. Think of your plate as a clock face with 12:00 at the top... and 6:00 at the bottom...

This reference system can help you form a mental picture of where each food item is located on your plate."

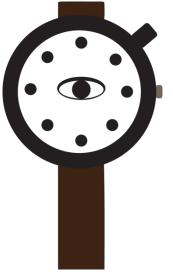
- VisionAware.com



Time is of the Essence

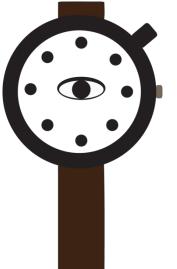
"Having someone tell me my meat is at 6:00, potatoes at 11:00, and carrots at 3:00 on my plate is very helpful."

- Blind Interviewee



Insights

Better organization of table items could enhance the eating experiences of the blind.

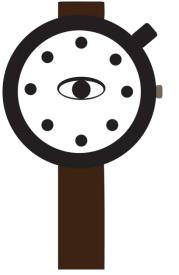


Insights

Better organization of table items could enhance the eating experiences of the blind.

Organization of table items often involves multiple people:

- Blind person
- Waiters
- Co-diners



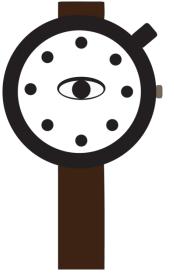
Insights

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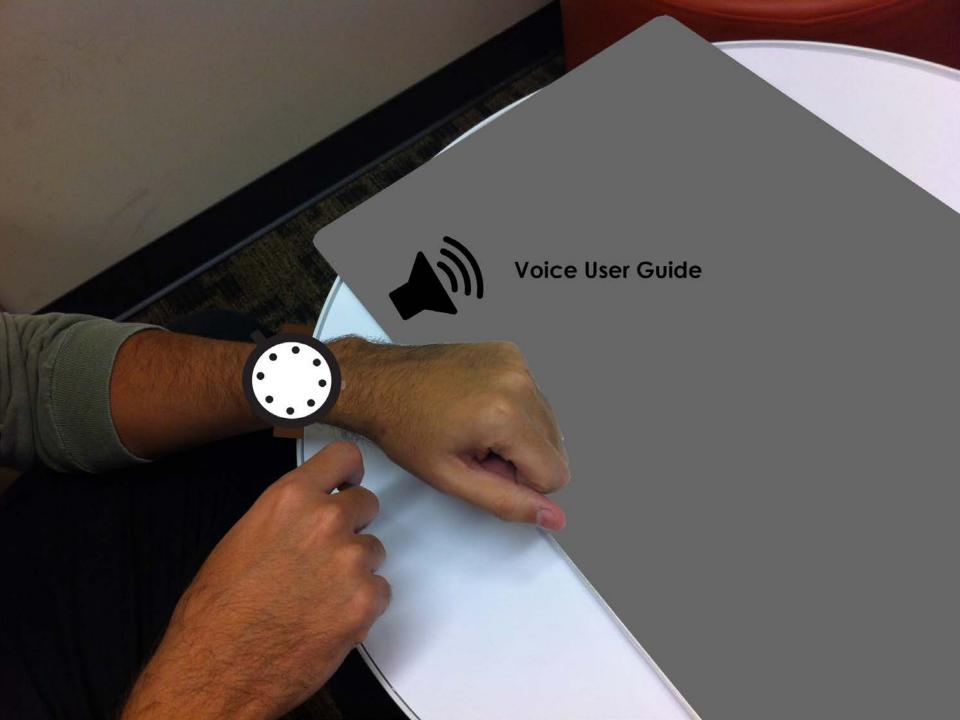
- Blind person
- Waiters
- Co-diners

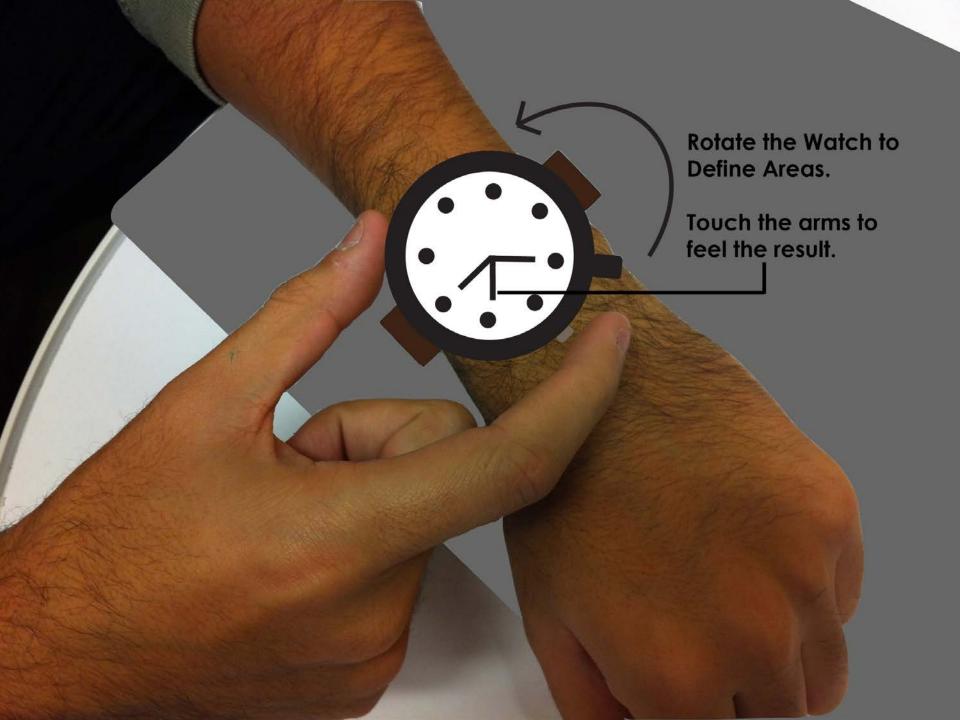
An elaboration of the clock reference system can be used to help blind people locate table items

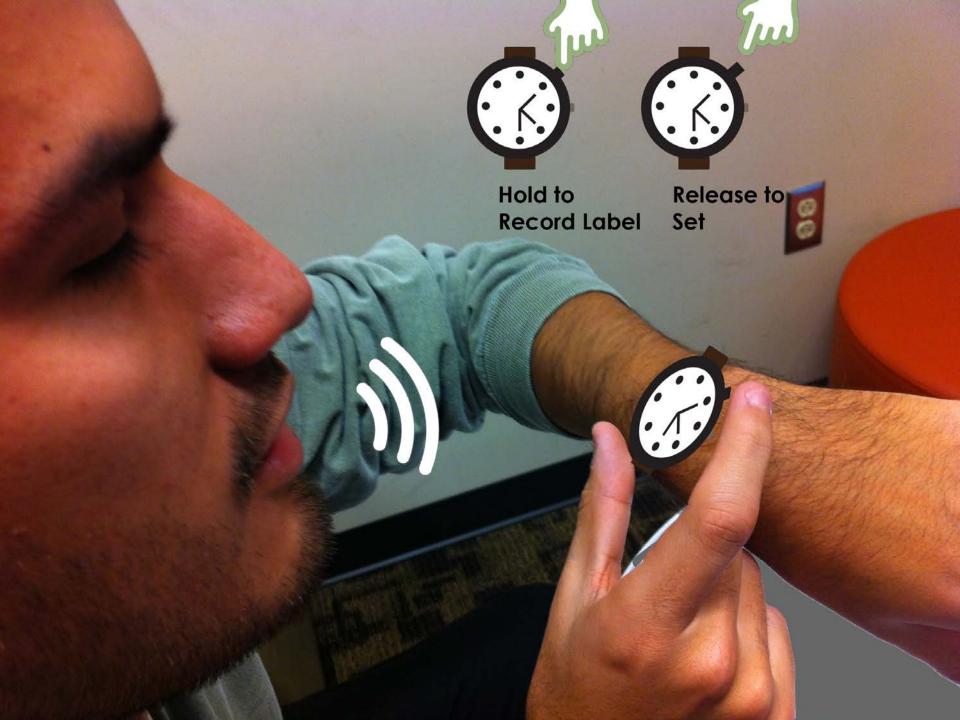


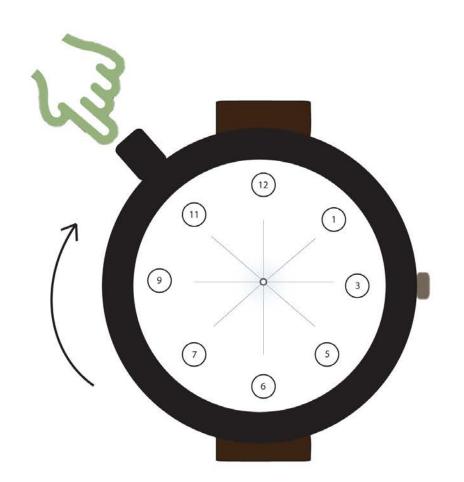
CORE

Bring domestic eating experience out side of home







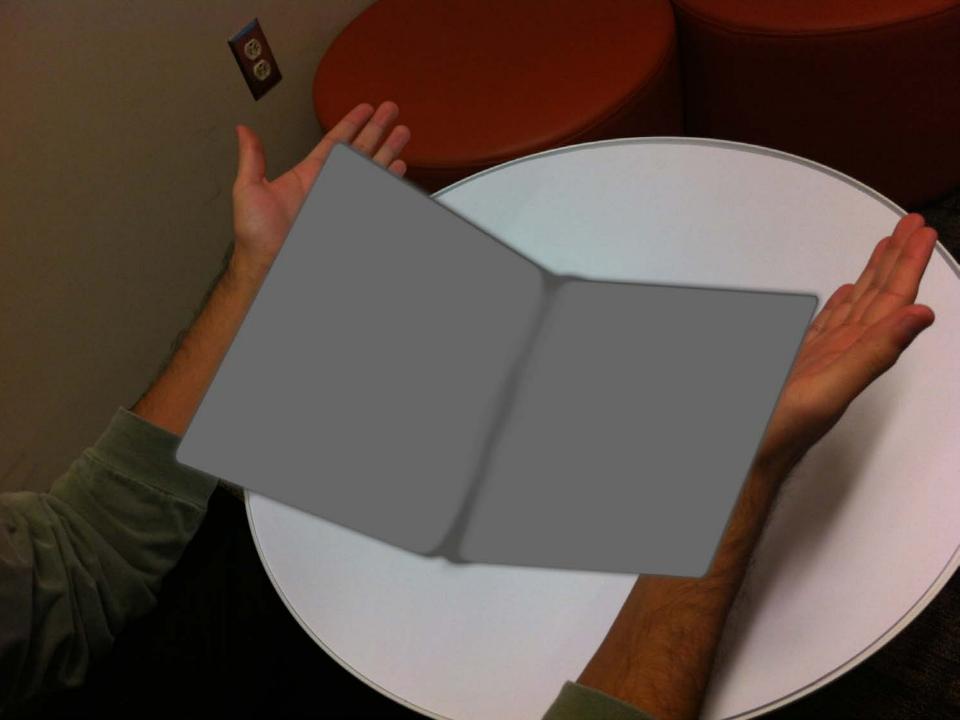




water

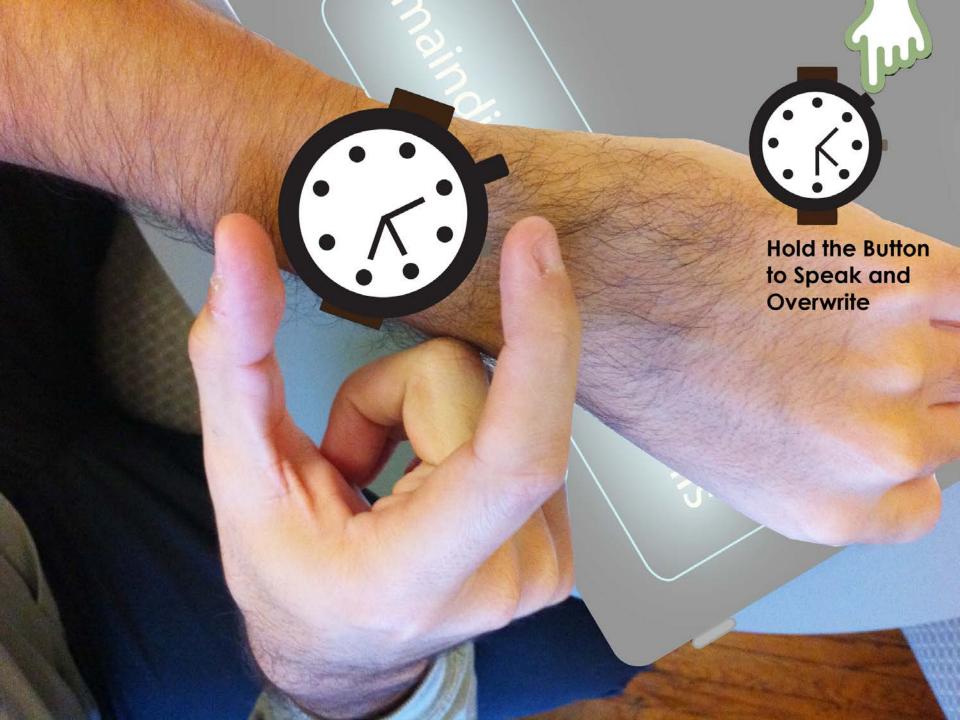
maindish

utensils









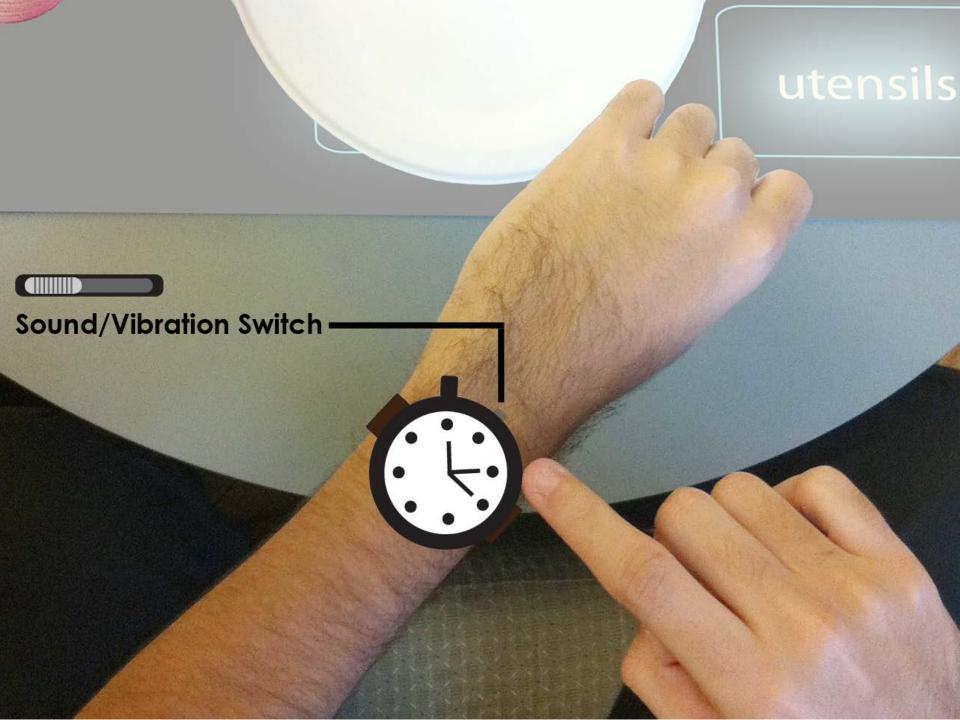
beer

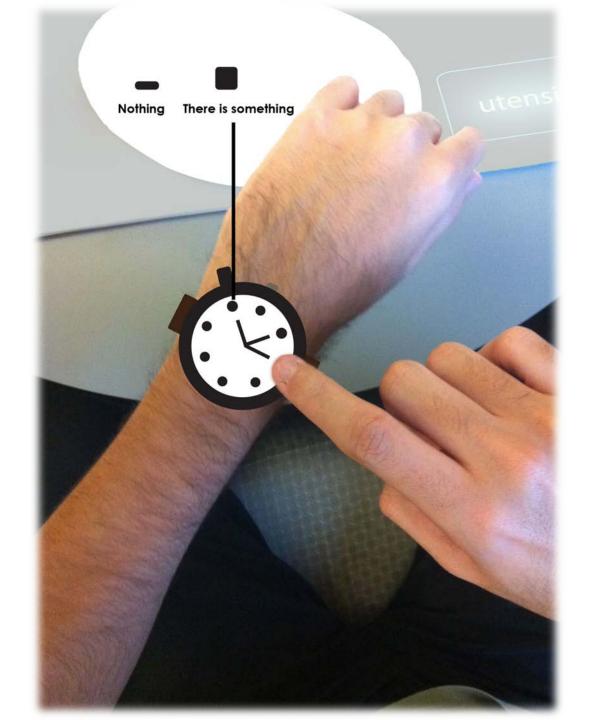
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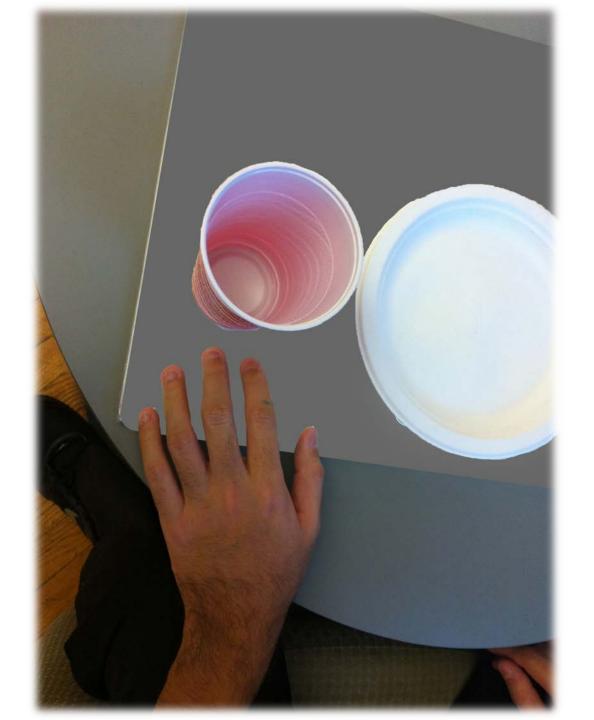
utensils





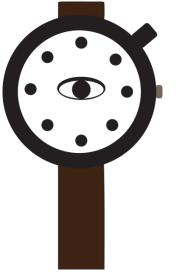










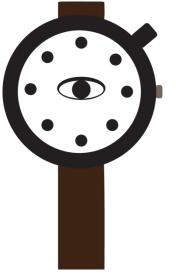


Implications

Place, Space, and Threshold

For the blind, home is typically a **place** of comfort and control – including eating at home. This is because the physical **space** in the home is typically easier to control. Our mat is intended to reduce the **threshold** between home and outside the home so that outside the home is more comfortable and controllable.

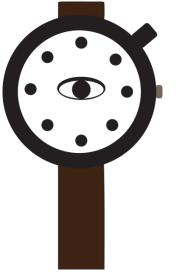
- Expand home experience
- Organize the table
- Decrease threshold



Strategies

Expand Target Group and Versioning

Research and develop various functionalities for the visually impaired level



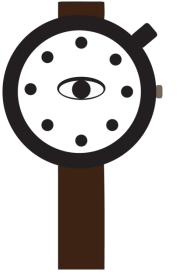
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Complementary Designs

Develop additional designs to address other eating needs of the blind



Strategies

Expand Target Group and Versioning

Research and develop various functionalities for the visually impaired level

Complementary Designs

Develop additional designs to address other eating needs of the blind

Expand experience to other domain

Expand organizational functionality to other home experiences



Thanks

Questions Welcome