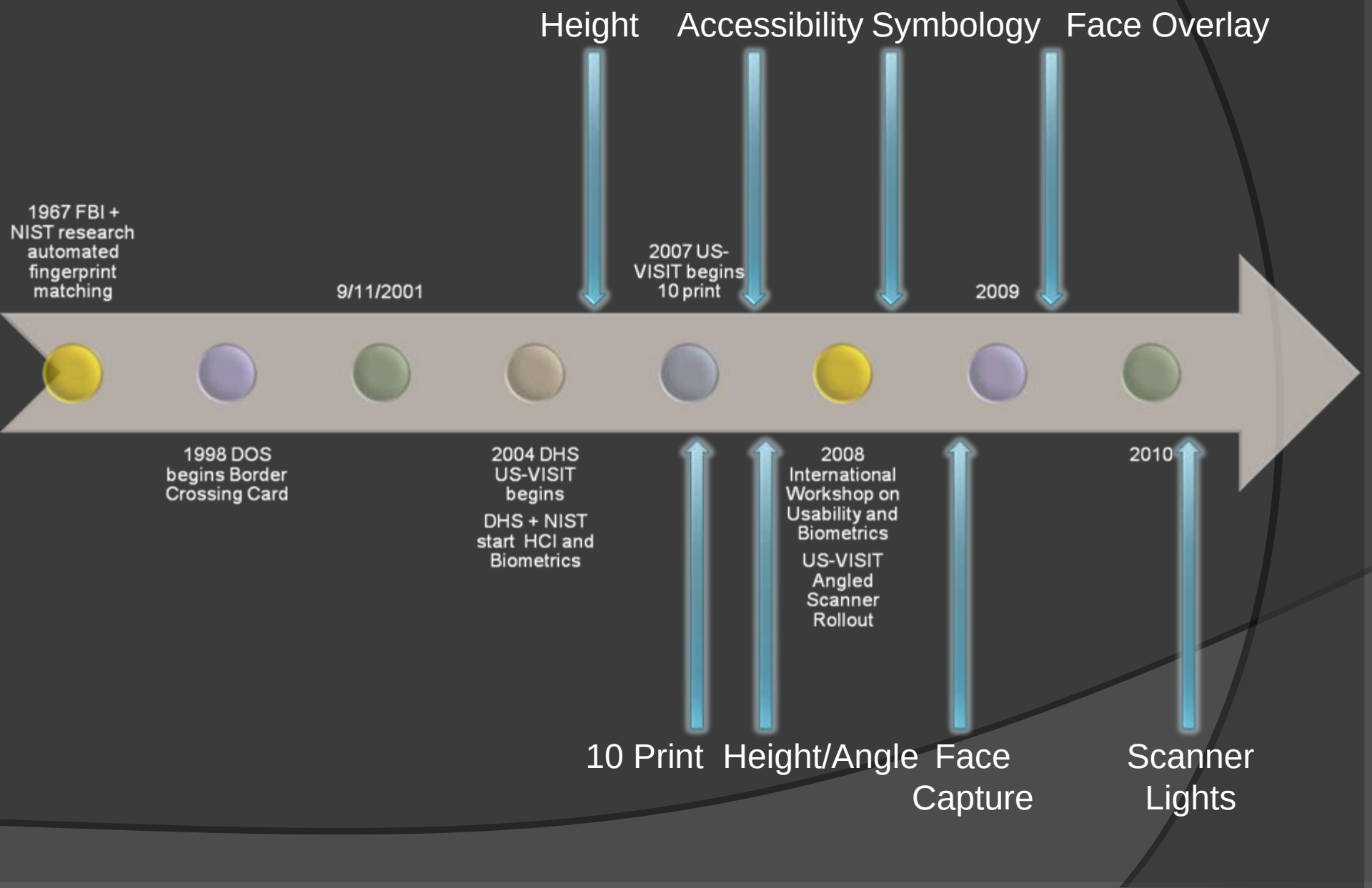
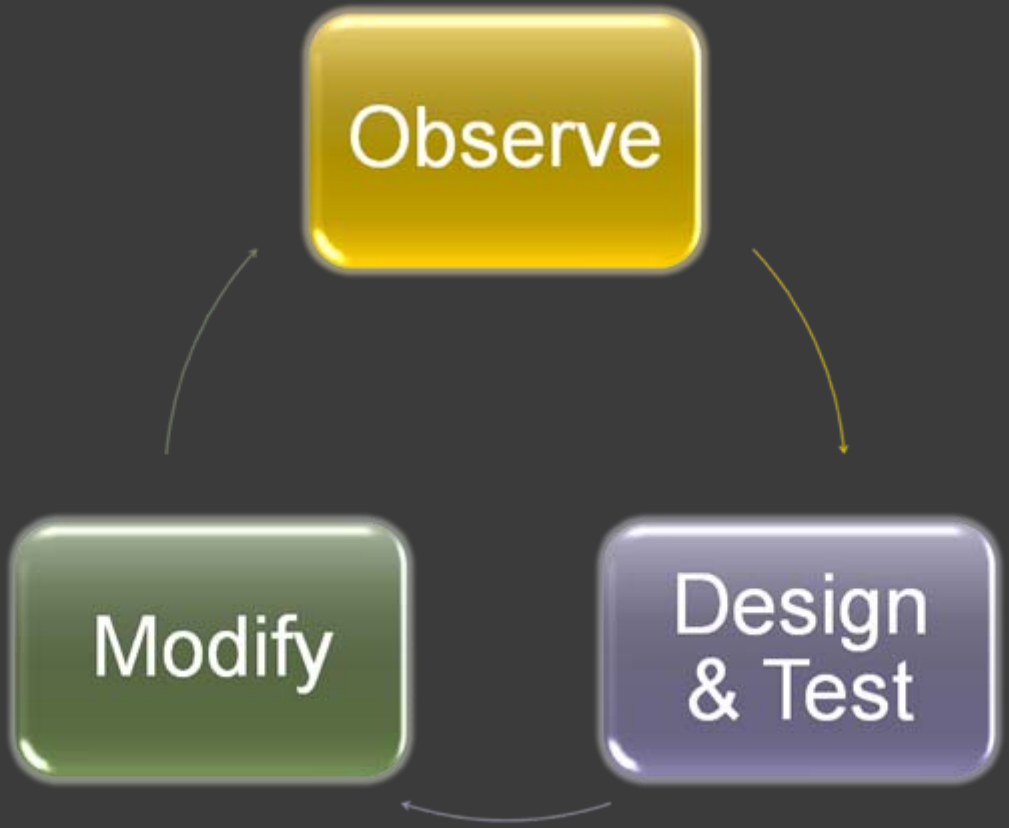
Specific hardware and software products identified in this report were used in order to perform the evaluations described. In no case does such identification imply recommendation or endorsement by the National Institute of Standards and Technology, nor does it imply that the products and equipment identified are necessarily the best available for the purpose

Mary Theofanos
Brian Stanton

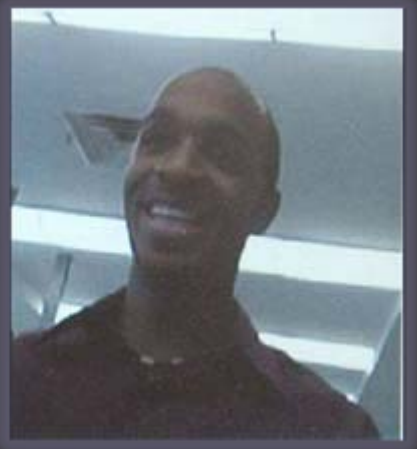
BIOMETRIC USABILITY: THE POWER OF OBSERVATION

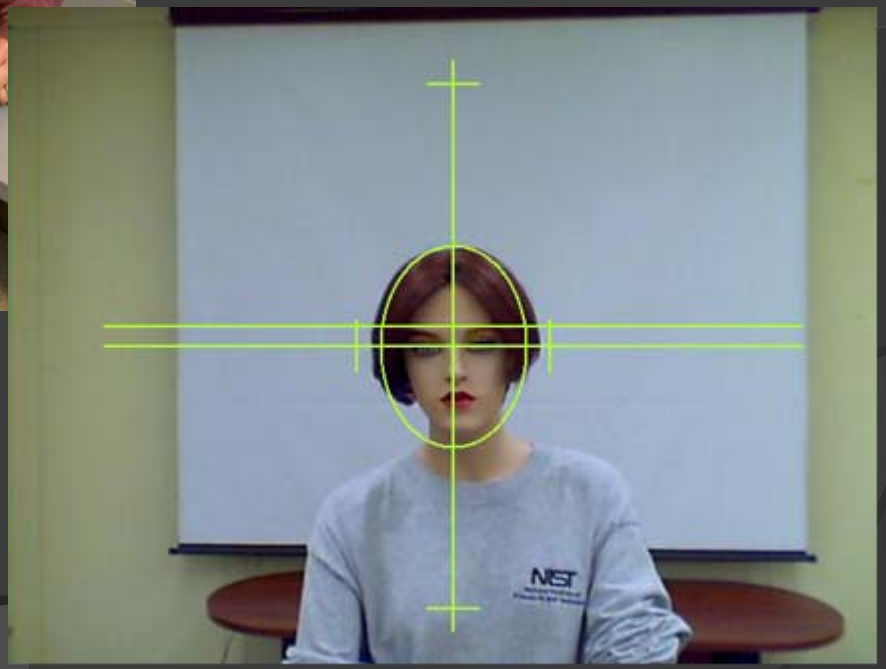
NIST
National Institute of Standards and Technology
U.S. Department of Commerce


Height
Accessibility
Symbology
Face Overlay
1967 FBI + NIST research automated fingerprint matching
9/11/2001
2007 US-VISIT begins 10 print
2009
1998 DOS begins Border Crossing Card
2004 DHS US-VISIT begins
DHS + NIST start HCI and Biometrics
2008 International Workshop on Usability and Biometrics
US-VISIT Angled Scanner Rollout
2010
10 Print
Height/Angle
Face Capture
Scanner Lights

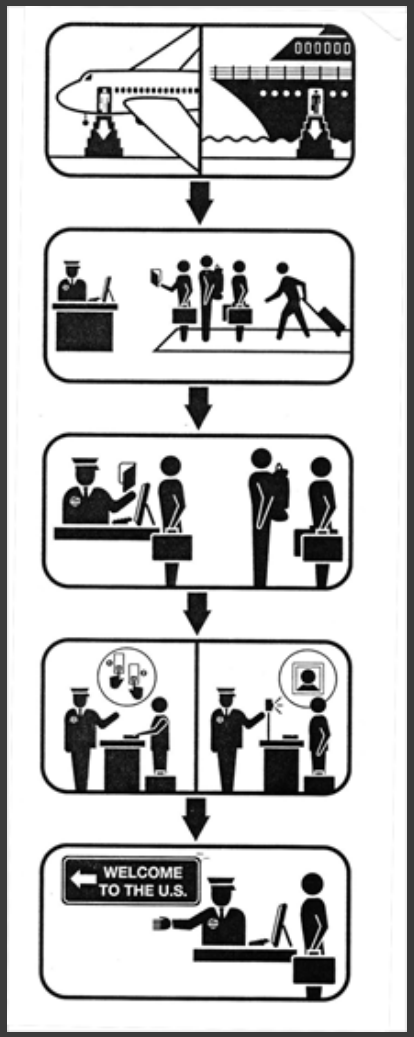

Observe
Design & Test
Modify

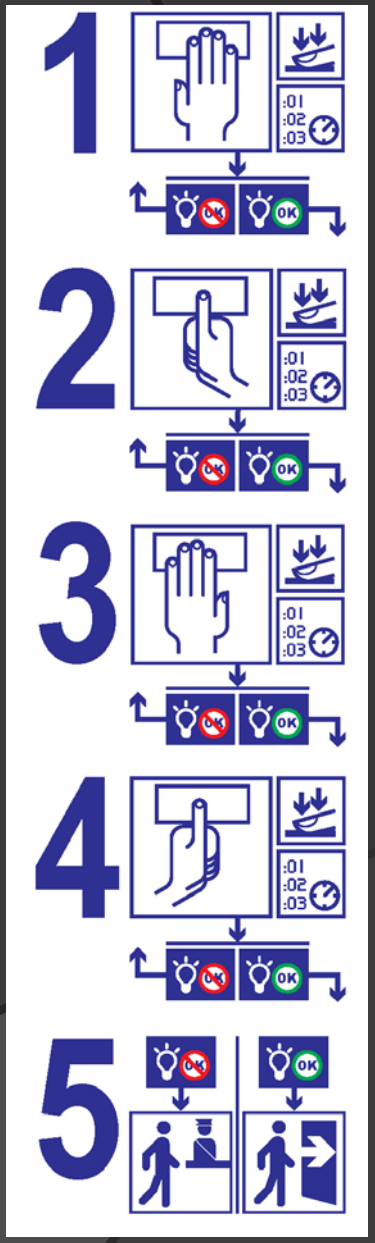
Taking a good picture is difficult





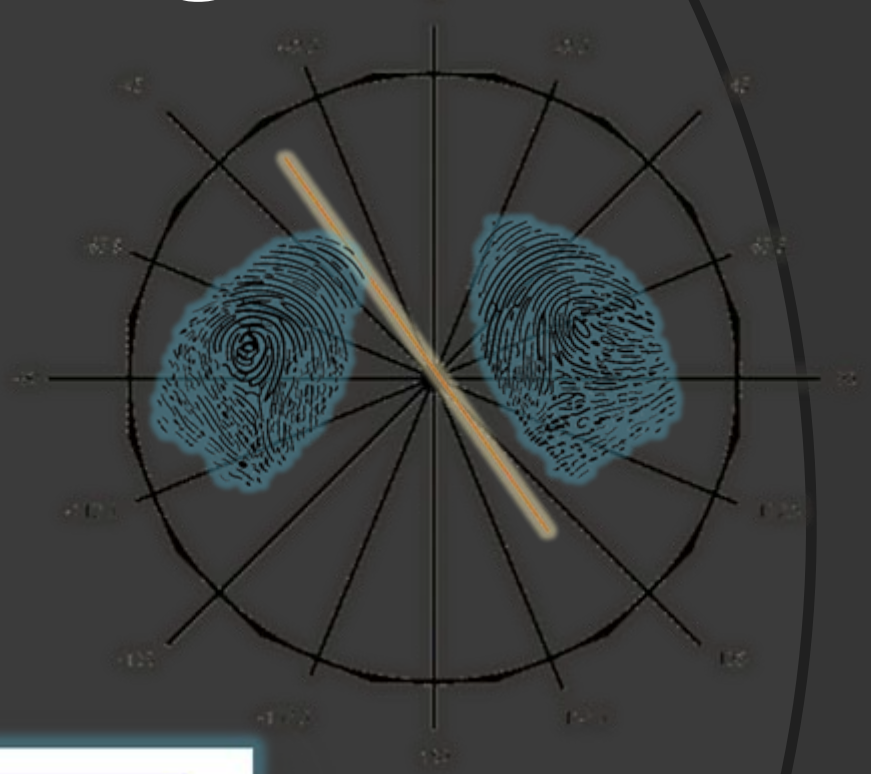
What do you want me to do?



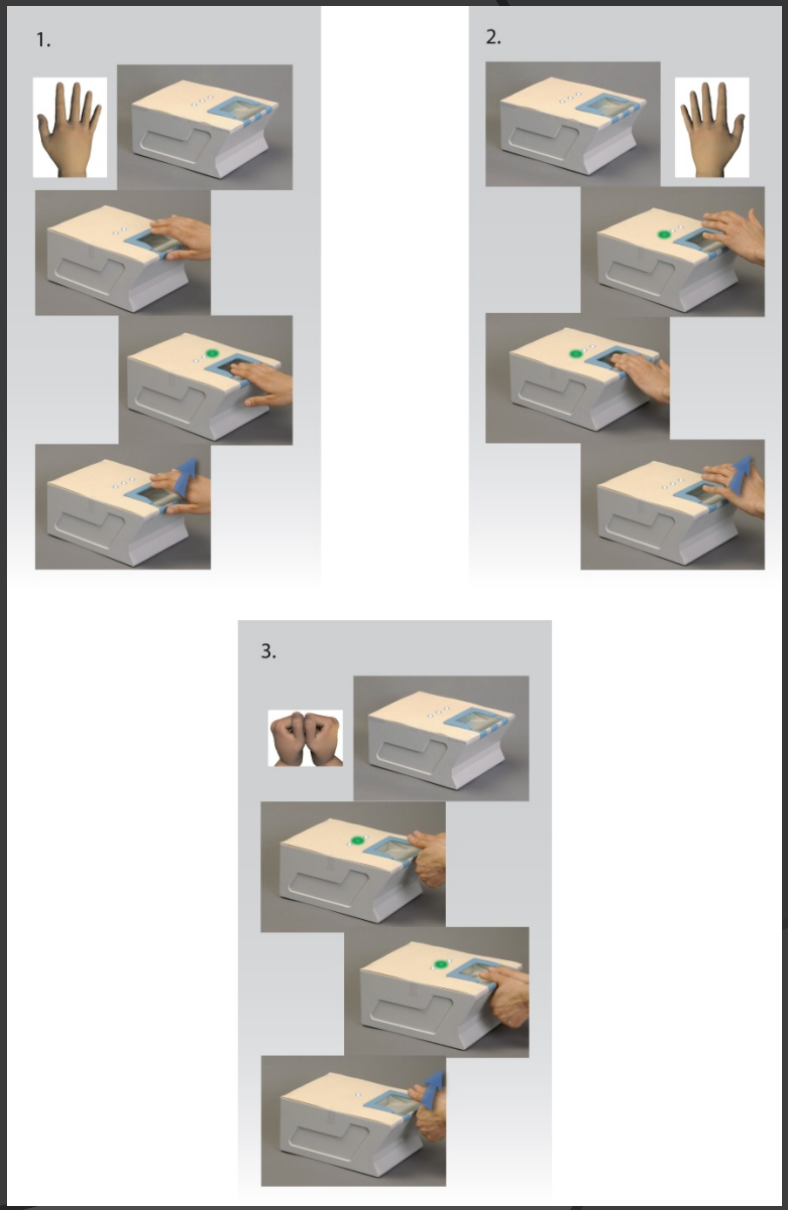


Some could not reach the scanner

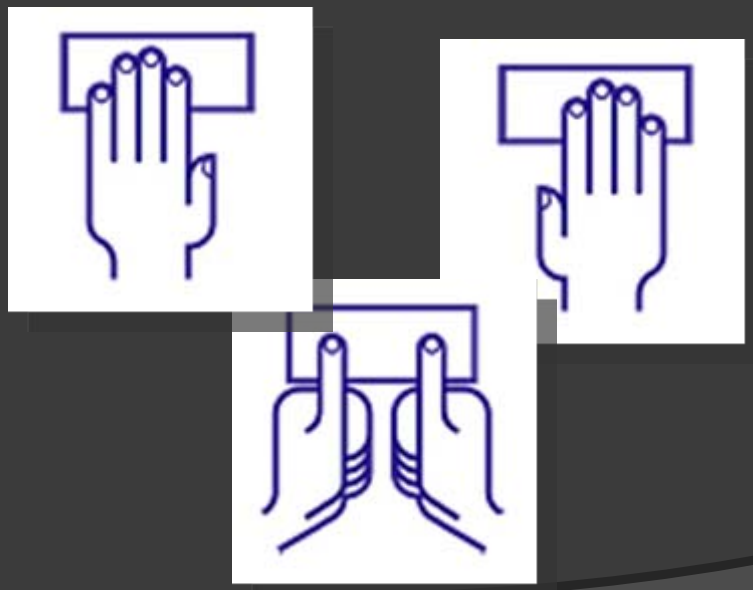
Where to place my fingers

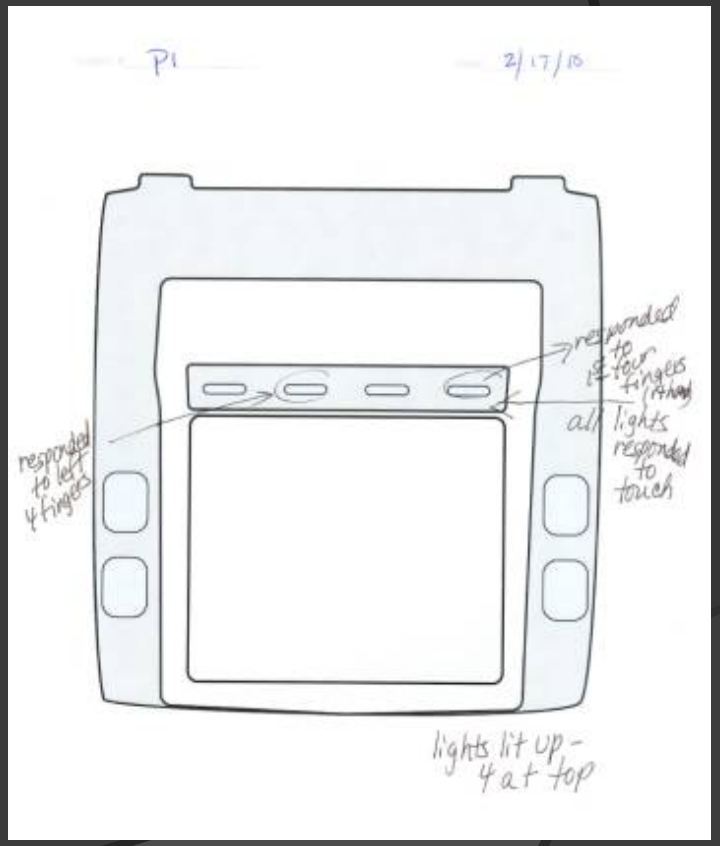


Show me what to do

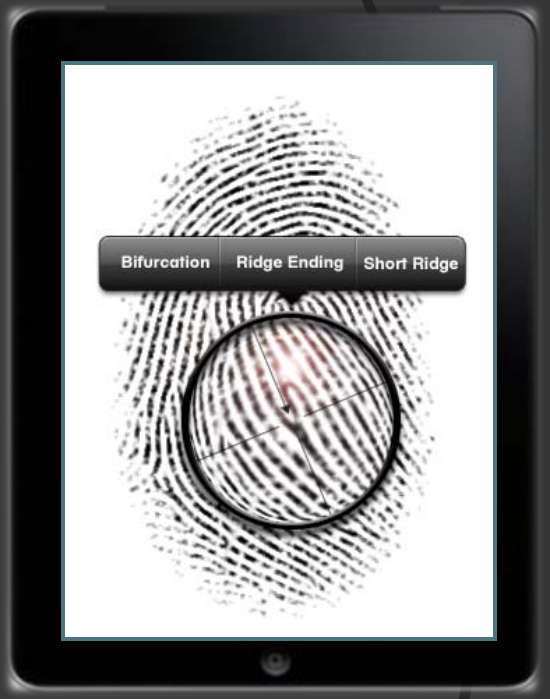


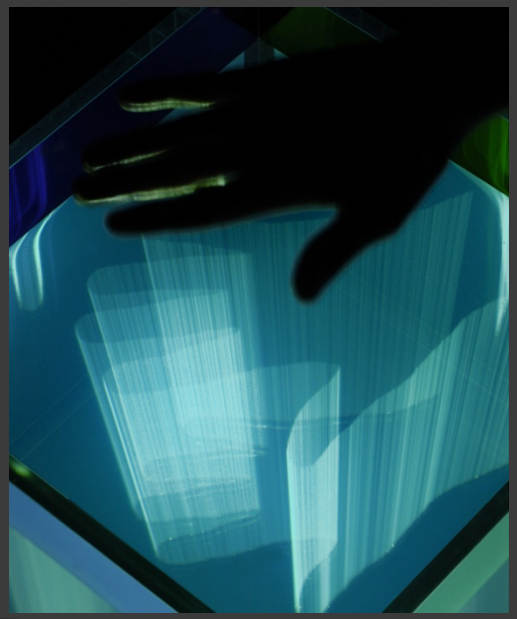
So what do these lights mean?





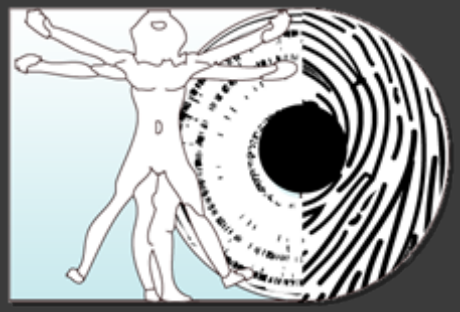
What will we see in the new paradigms?





Thank you

Usability and Biometrics



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