

Overview

This is the assignment for unit IV: a short research report on a topic of your choice related to multimedia devices. It is worth 10 points (10% of term grade). **LENGTH: 2–4 pages. DUE: APRIL 18 by 11:59pm.**

Instructions

- 0A. READ the book chapter and 4 articles on multimedia devices that are in the Coursepack:
- Designing Interactions, by Bill Moggridge, *Ch 8, Multisensory and multimedia*.
 - *Organic User Interfaces: Designing Computers in Any Way, Shape, or Form*, by David Holmand and Roel Vertegaal, Communications of the ACM, volume 51, number 6, June 2008.
 - *The Cave: Audio Visual Experience Automatic Virtual Environment*, by Carolina Cruz-Neira, Daniel J. Sandin, Thomas A. DeFanti, Robert V. Kenyon and John C. Hart, Communications of the ACM, volume 35, number 6, June 1992.
 - *Multimodal interfaces that flex, adapt, and persist*, by Sharon Oviatt, Trevor Darrell, Myron Flickner, Communications of the ACM, volume 47, number 1, January 2004.
 - *Guidelines for multimodal user interface design*, by Leah M. Reeves, Jennifer Lai, James A. Larson, Sharon Oviatt, T. S. Balaji, Stphanie Buisine, Penny Collings, Phil Cohen, Ben Kraal, Jean-Claude Martin, Michael McTear, TV Raman, Kay M. Stanney, Hui Su and Qian Ying Wang, Communications of the ACM, volume 47, number 1, January 2004.
- 0B. SELECT a “research topic”: one person or device that you read about above; and IDENTIFY one question about your topic that you will research for this assignment. For example: *What has Joy Mountford been doing since she left Apple?* Or: *What does a current CAVE installation look like and what expanded capabilities does it have since the original SIGGRAPH demonstration in 1992?*
1. WRITE a description of how your topic is discussed in the Coursepack materials above. Explain what your person is well-known for or what the device you’ve chosen is used for and how it operates. (2 points)
 2. RESEARCH your topic using sources like the internet and the Brooklyn College library. Find at least TWO sources for your research topic other than the book chapter and articles contained in the Coursepack (i.e., not the sources listed above). The source MUST BE PUBLISHED as an article in a journal or magazine or conference proceedings, as a book or as a chapter of a book. **WIKIPEDIA IS NOT ALLOWED!!!**
Be sure to include complete bibliographic details in your research document: author, title, source of article (i.e., how it is published, such as an article in a magazine or journal, as a book or chapter in a book, etc), when it was published. (2 points)
 3. WRITE a description of how your topic is discussed in each source listed above. (4 points)
 4. WRITE an overall analysis of how your three sources (Coursepack plus two you chose) treat the topic, by comparing the content of each source. For example, the three sources might be written at three different points in the career of the person you have chosen to write about. So your analysis might be a chronological comparison of how that person’s technology contributions expanded during their career. (2 points)

Submission

- The entire assignment consists of ONE WRITTEN DOCUMENT that should be formatted in a PDF file. **Length is 2–4 pages.** Please create a ZIP archive containing your single PDF file.
- Submit your assignment electronically, using the submission page linked on the class web page.