ANNOUNCEMENTS

- Check class announcements daily
- You must implement programming projects by yourself
SOME SITES

- TinyURL ➔ http://tinyurl.com/
- Browser Shots ➔ http://browsershots.org
  - Cross browser testing
TECHNOLOGIES FOR RESEARCH

- Library Catalogs
- Lower Shore Library Consortium
  - http://heron.wico.lib.md.us/
  - Searching is possible by keyword, title, author, subject

- UMD Libraries
  - http://www.lib.umd.edu/
  - http://umaryland.worldcat.org/ → Allows you to search libraries worldwide, UMD & partners, UMCP
  - http://researchport.umd.edu/func=databases → Allows you to search by subject category and by database name
  - http://www.lib.umd.edu/digital/ → Digitized materials from the collections of the University of Maryland
TECHNOLOGIES FOR RESEARCH

- **Scientific Databases**
  - [http://www.sc.edu/library/science/scisdbdb.html](http://www.sc.edu/library/science/scisdbdb.html)

- **Book Searches**
  - [http://books.google.com/](http://books.google.com/)
  - Amazon’s Search Inside books
  - The Online Books Page
    - [http://onlinebooks.library.upenn.edu/lists.html](http://onlinebooks.library.upenn.edu/lists.html)
  - Project Gutenberg
    - [http://www.gutenberg.org/wiki/Main_Page](http://www.gutenberg.org/wiki/Main_Page)

- **Other**
TECHNOLOGIES FOR RESEARCH

- Yellow/White Pages
  - http://www.switchboard.com/

- People/Events
  - http://www.whowhere.com

- Classmates
  - http://www.classmates.com/

- Sounds
GOOGLE SEARCH

- From [http://www.google.com/help](http://www.google.com/help)
- Returns pages with all the specified terms (no need for “and”)
- Use OR to include either of two terms
  - E.g. vpn OR salsa
- Not case sensitive
- Common words (e.g., how and where) are automatically excluded
  - Add a “+” if you need the word
- “I’m Feeling Lucky” button → returns most relevant site
  - E.g. University of Maryland
- For exact phrases use quotation marks (e.g., “Summer Party”)
- References for search
  - Basic → [http://www.google.com/support/websearch/bin/answer.py?answer=134479](http://www.google.com/support/websearch/bin/answer.py?answer=134479)
  - Advanced → [http://www.google.com/support/websearch/bin/answer.py?answer=136861](http://www.google.com/support/websearch/bin/answer.py?answer=136861)
GOOGLE SEARCH

- Advance operators (query words with special meaning)
  - **link** → Lists web pages with links to specified site
    - Example: link:www.cs.umd.edu
  - **info** → provides some information google keeps about a site
    - Example: info:www.cs.umd.edu
  - **define** → provides definitions
    - Example: define:atom
  - **allintitle** → all words must appear in the title
    - Example: allintitle:teaching science
  - **site** → search is limited to specified site
    - Example: Nelson Padua-Perez site: www.cs.umd.edu

- Advanced Image Search
  - [http://images.google.com/advanced_image_search](http://images.google.com/advanced_image_search)
Let’s go over the project
Let’s write pseudocode for a program that reads items and computes a total. The program will stop reading items when “quit” is entered

Items: milk → $1.0, paper → $3.0, water → $2.0, other → 1.0

Let’s now expand the program so we can compute a summary of the number of items we have sold for each category (along with the total contribution)