Today: Homework 1 due. Figures, tables, and other graphical elements. Readings: (1) Textbook Ch. 9; (2) Till Tantau. The TikZ and PGF packages. `http://sourceforge.net/projects/pgf`, October 2010. Manual for version 2.10, Ch. 7.
Next class: Quiz ($\sim$ 30 min.). Synthesis and discussion. Textbook Chs. 1–9; readings.

1. List the members of your group below. Underline your name.

2. For each of the following, sketch three suitable graphical representations (i.e., representations in forms other than inline text). Your sketches need only be detailed enough to convey their design. List the pros and cons of each representation. List also any assumptions used by your designs or assessments.

   (a) Data from an experimental evaluation of a program. Details include measured running times (user, system, elapsed) and memory footprints for input sizes in the range $[10, 10^6]$ and for several values of parameters k and m in the range $[2, 16]$ (for both).

(b) The messages, timing, and data-flow involved in a typical, modern, Web application. Details include the chain of events from a browser action to the Web server via the network, to the backend database and application servers, and the return trip, yielding updates in the browser.

(c) Modular design of a large program. Details include control and data flow, interactions among modules, static entities (program text and data), and dynamic objects (runtime processes).

3. List three guidelines from the readings that you find most compelling, with brief explanations.

4. Repeat Question 3 for guidelines you find unconvincing or counterproductive.