Here is the web site for our textbook, *Concrete Abstractions* by Hailperin.

http://www.gac.edu/~max/concabs/

Click on the link for "The code from the text" to access all the source code in the book.

We will be using the DrRacket version of Scheme for the functional paradigm. Here is the web site for DrRacket.

http://racket-lang.org/

Download the latest version of DrRacket (version 7.8 at the time of this writing) from this site and install it on your computer.

DrRacket consists of several related languages. When you first start up DrRacket, verify that the "Pretty Big" language is loaded. If not, select the "Language" menu, "Choose Language... ", and select the "Pretty Big" language listed under the "Legacy Languages" heading. Then click the "Run" button to activate the language.

To do the assignments from the textbook you will need two pieces of software.

1. The first is the "Functional Graphics Tool with DrRacket." Choose File → Install Package... . In the Package Source field enter

   ```
   https://gustavus.edu/+max/concabs/schemes/drscheme/concabs.zip
   ```

   Each time you write a program to use the graphics system, include the following expression at the beginning of your program:

   ```
   (require (lib "fungraph.ss" "concabs"))
   ```

2. The second piece of software you need is the definition of the quilting patterns shown on the top of page 16 in our textbook. To use these definitions for quilt problems, you must paste the content of the following text file into the top definition pane in DrRacket (after the required statement described above) and click the run button.

   http://www.cslab.pepperdine.edu/warford/cosc450/quilt.txt

   You can copy and paste the content from your browser into DrRacket directly. Or, you can save the definitions in a file named `quilt.txt` on your local hard drive and then open the file from DrRacket. The above `require` function is included in the linked `quilt.txt` file.