

## CS 577 Homework 5 – due noon, Thursday, Feb. 21, 2008

Homework must be submitted on paper in class. All programs mentioned can be downloaded via the course web page.

1. Do Pierce 12.1.7.
2. Do Pierce 13.1.1.
3. Do Pierce 13.1.2.
4. Do Pierce 13.5.8.
5. Do Pierce 14.1.1.
6. File `exnexercise.tar.gz`, available from the course web site, contains an implementation of (roughly) the language of Pierce Figure 14-2 (simply-typed  $\lambda$ -calculus with booleans and errors). Modify this code to make an implementation of the language of Figure 14-3, i.e., replace errors with exceptions carrying values. The necessary parsing support and abstract syntax are already in place. Let  $T_{exn}$  be `Bool` (not tremendously useful, but simple). Turn in your modified version of `core.ml` and your test file.