



**COLORADO SCHOOL OF MINES
ELECTRICAL ENGINEERING & COMPUTER SCIENCE DEPARTMENT**

**CSCI-410
Elements of Computing Systems
Spring 2014**

ECS-01

Follow the instructions in the reference ECS-01 (i.e., the one in the book).

Be sure to adhere to the File Header Formats and the Submission Procedures.

NOTES:

- 1) Be careful not to invoke recursive part declarations. The most common way that students do this is to accidentally list the part that is being implemented in the PARTS list for that same part. The second most common way is to use Part A, which uses Part B, which uses Part A. As long as you implement parts in the order recommended and only use previously implemented parts for each new part, this won't happen.
- 2) The HDL language is described in detail Appendix A of the text. **READ IT!** But also note that it is not quite complete.
- 3) To overcome known deficiencies, an HDL Survival Guide is available both on the Nand2Tetris website and also the Course website in the References section. **READ IT!**
- 4) Be sure to understand the distinction between multi-bit and multi-way, as used by the authors for this text.