University of California at Berkeley
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CS 150
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Checkpoint 6, The Superb Board
Hardware protocol reliability

1 Objectives

For this checkpoint, you will

1. Build in extra functionality in your board.

2 Introduction

This is EXTRA CREDIT. There are two ways to gain extra credit. The first is add this extra functionality. The second is to demo your working board on the 26th, instead of december 6th. Both are of equal value. The only way to get BOTH extra credits is to complete this functionality in time for the early checkoff.

3 Extra functionality

There are 3 changes needed to implement the extra functionality. The first is to use 16 send buffers instead of one. The second is implementing the reliability protocol as stated in the high level specification. The final one is to modify the computer communication. When a packet is sucessufully recieved by the other side, it sends $0x00$ to the host computer. Before passing a packet onto the computer, it sends $0x01$. Acknowledgement packets should NOT be passed on to the host computer.

A modified FTP program which handles these changes will be provided.

Name: _____ Name: _____
Lab Section (Check one)
M: ☐11 ☐12 T: ☐13 W: ☐14 ☐15 Th: ☐16

4 Checkoffs

1. Implements extra functionality TA: _____(100%)