Course SE 350
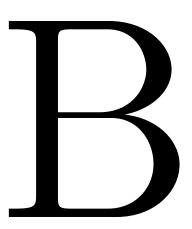
Quiz IIb

March 17, 2010

1. What material did you use to prepare for the quiz? There only exist correct answers to this question. Please list a selection of (or specify other): Electronic version of Stalling's book, printed version of Stalling's book, another book, lecture slides, own notes, nothing.   *[1p]*

2. Assume a system which uses virtual memory with paging:

   - Explain in one to two sentences each of these elements: (1) Virtual address, (2) page table pointer, (3) page table, (4) physical address, and (5) main memory. *[10p]*

   - Draw a diagram of the translation mechanism.   *[8p]*

   - Explain how this system achieves memory protection among processes.   *[4p]*

   End of quiz. Total points: 23

B

Quiz guide: The exam consists of 2 questions listed on one page. The exam's total number of points is listed at the end. The quiz duration is 12 minutes. Note make sure you don't have the same quiz ID as any of your neighbours. If you have, say so immediately. **If you don't, you invalidate your score.**