# CSCI 338: Quiz 2 (due: Friday, March 12, 8:00pm)

### Your Name:

This is an open-book quiz (not an attendance counting), so you should try your best. After you finish, upload a pdf file on D2L under Quiz-2. A solution will be posted on D2L after the deadline.

#### **Problem 1**

Based on what we covered on March 5 and 8 regarding the Turing machines, list at least 3 differences between a Turing machine and PDA.

- The storage in a TM is an infinite tape which can be accessed in both ways. In PDA, the storage is a stack, which can be accessed at one end only.
- 2) The input for TM could be altered by it, while a PDA doesn't change the input at all.
- 3) The TM's we covered on Mars and 8 are Jeterministic while PDA is non-seterministic.
- (4) You read the input from left to right by a PDA\_ you can't say that with a TM conce the first letter is read).

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