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SOFTWARE ENGINEERING

CS 487

Prof. Dennis Hood
Computer Science

Homework #3

- Design a component which validates input values.
 1. Show pseudo-code for a module which must assess an integer against a valid range. It must return a valid value as close as possible to the input and an indicator of the returned value's reliability. (2 pts)
 2. Make it reusable – identify the code segments that can remain as is and those which need to be modified such that the component could be used to process other data types (e.g., date and string values) (1 pt)
 3. Use pseudo-code to show how an automated mission-critical system would manage the exception of a “less-than-perfectly-reliable” value. Alert the humans if automated processing is too risky. (2 pts)
- Please submit (.doc or .pdf) by April 9th