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SOFTWARE QUALITY MANAGEMENT

CSP587

Prof. Dennis Hood
Computer Science

Homework #4

- Self-driving car real-time safety assessment
 - Risk of an accident
 - Risk of a system element failing
 - Risk that the human “passengers” lack awareness
- Develop a plan for assuring safety in real time
 1. Define a set of relevant metrics for each threat type and describe an automated collection mechanism for each
 2. Describe an automated analysis process which calculates exposure and then warns the passengers if necessary
 3. Design a process which automatically escalates the warning if the passengers do not react to a warning
- Please submit via Blackboard by 11/20