This assignment focuses on the need for rigorous software engineering techniques. You will be asked to write a thoughtful 1 page (single-spaced, 11-point font, 1-inch margins) critique on the potential negative impacts when *ad hoc* software engineering techniques are used in the development of safety-critical applications.

Find an article published in the past 5 years that describes a software-based error that caused loss of life or injury to people. Then write a 1-page critique that addresses the following points.

1. Who was at fault for the accidents and failures? Explain your answer.

2. What could/should have been done differently to prevent such failures? Your answer should refer to technological advances and/or human factors and/or organizational factors.

3. Find at least one other example in the automotive domain where software is the source of the failure. What type of software engineering technique could have prevented the problem(s)? Explain.

Your critique will be evaluated according to the following criteria:

- Have you presented a cohesive writeup? (Do not submit short answers for each of the above points. The critique should be read as one document.)

- Have you addressed all of the technical points, using concrete examples to support your arguments?

- Does each paragraph have a thesis sentence with the paragraph body containing supporting text?

- Has the document been thoroughly proofread and typos eliminated?