Software Safety Exercise 2

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You will be given a specific safety topic. Your exercise assignment is as follows:

- 1) Research the topic on the web and/or the UTD library
- 2) Prepare a brief, introductory presentation, as described below
- 3) Give the presentation to the class, taking 10 minutes to do so

Presentation:

You should prepare a PowerPoint presentation containing the following slides:

Slide 1 – A title slide such as:



UT Dallas – Software Safety:

Research, Practice and a Path Forward Summer, 2023

<xxx> Safety

<replace with your name>

Copyright 2023, Dennis J. Frailey Software Safety Exercise 1

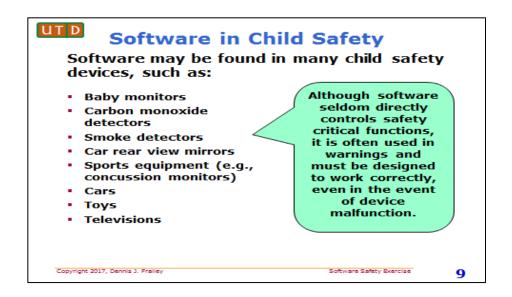
Slide 2 – An introduction to yourself, such as:



Slide 3 – A summary of safety issues for your topic, such as:



Slide 4 – Observations about the role of software in safety for your topic, such as:



Slide 5 – Specific Software Issues in your safety topic:

UT D

Some Specific Software Issues Encountered in Child Safety Devices

- Proper response to power failures
- Protection from intrusion by network hackers
 - For devices connected to the internet such as baby monitors
- Detection of hardware damage (for example, child spills juice onto an electronic monitor in his or her car seat)
- Operator error should be very uncommon
 - Devices should be very easy to use and hard to misuse (because the users are typically not very knowledgeable about computers)
- . Do it right the first time
 - Parents are unlikely to update software in their baby's toys, monitors, etc.

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Software Safety - Part I

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Last slide:

